

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121485.D
 Acq On : 31 Aug 2020 19:02
 Operator : JU/CG
 Sample : L3847-27
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	54	rVB	1695491	3794880	61.72%	4.208%
2	5.069	504	507	514	rVB	58212	76828	1.25%	0.085%
3	5.475	571	576	579	rBV	3819186	3619600	58.86%	4.014%
4	6.481	742	747	750	rBV	3970311	3643286	59.25%	4.040%
5	6.863	808	812	815	rBV	1849618	1682927	27.37%	1.866%
6	7.422	902	907	910	rBV	2762008	2575901	41.89%	2.856%
7	8.145	1026	1030	1032	rBV	2495158	2125897	34.57%	2.357%
8	8.163	1032	1033	1036	rVB	249885	149351	2.43%	0.166%
9	8.857	1147	1151	1155	rVB	85966	78962	1.28%	0.088%
10	8.951	1165	1167	1170	rBV	92218	82321	1.34%	0.091%
11	9.222	1208	1213	1216	rBV	5233032	4676801	76.06%	5.186%
12	9.486	1254	1258	1261	rBV2	65509	104801	1.70%	0.116%
13	9.557	1266	1270	1272	rVV	126038	122078	1.99%	0.135%
14	9.610	1276	1279	1284	rVB	343511	287916	4.68%	0.319%
15	9.675	1287	1290	1294	rBV2	71774	92908	1.51%	0.103%
16	9.757	1301	1304	1309	rBV	341689	287964	4.68%	0.319%
17	9.898	1322	1328	1331	rBV	2892015	2482786	40.38%	2.753%
18	9.928	1331	1333	1336	rVB	430739	378231	6.15%	0.419%
19	9.998	1342	1345	1350	rBV5	60637	106462	1.73%	0.118%
20	10.057	1350	1355	1357	rVV2	47772	79072	1.29%	0.088%
21	10.098	1359	1362	1366	rVV	261072	253164	4.12%	0.281%
22	10.304	1394	1397	1399	rBV2	78785	91716	1.49%	0.102%
23	10.445	1417	1421	1425	rBV	480070	460898	7.50%	0.511%
24	10.604	1445	1448	1451	rVB	188630	162680	2.65%	0.180%
25	10.686	1458	1462	1466	rBV	2986681	2745837	44.65%	3.045%
26	10.810	1480	1483	1490	rVB4	179887	232800	3.79%	0.258%
27	11.122	1534	1536	1538	rBV2	120425	110326	1.79%	0.122%
28	11.186	1544	1547	1551	rVB	330475	283227	4.61%	0.314%
29	11.233	1553	1555	1557	rVV	135710	156288	2.54%	0.173%
30	11.280	1561	1563	1568	rVB	321706	290403	4.72%	0.322%
31	11.386	1577	1581	1583	rBV	2562628	2402752	39.08%	2.664%
32	11.410	1583	1585	1589	rVV	4957709	4204612	68.38%	4.662%
33	11.463	1590	1594	1596	rVB	1293434	1159095	18.85%	1.285%
34	11.492	1596	1599	1602	rBV	179855	185666	3.02%	0.206%

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35	11.610	1617	1619	1622	rVB	354773	301188	4.90%	0.334%
36	11.680	1629	1631	1634	rBV2	196129	157861	2.57%	0.175%
37	11.886	1663	1666	1668	rBV	672421	520262	8.46%	0.577%
38	11.916	1668	1671	1675	rVV	1924354	1683050	27.37%	1.866%
39	11.963	1676	1679	1681	rVV	441203	365487	5.94%	0.405%
40	11.998	1682	1685	1688	rVV	1048647	1196519	19.46%	1.327%
41	12.021	1688	1689	1694	rVB	552175	333393	5.42%	0.370%
42	12.180	1714	1716	1718	rBV	520185	450799	7.33%	0.500%
43	12.204	1718	1720	1724	rVB	429026	368139	5.99%	0.408%
44	12.439	1757	1760	1763	rBV	374540	383309	6.23%	0.425%
45	12.521	1771	1774	1779	rBV	395977	384438	6.25%	0.426%
46	12.604	1784	1788	1791	rBV	6273478	6038933	98.21%	6.696%
47	12.645	1791	1795	1796	rBV3	144765	115071	1.87%	0.128%
48	12.698	1801	1804	1808	rBV2	414931	573082	9.32%	0.635%
49	12.833	1821	1827	1830	rBV2	5286923	6149019	100.00%	6.818%
50	12.945	1844	1846	1848	rBV	356768	336294	5.47%	0.373%
51	12.974	1848	1851	1858	rVB	4675885	4267954	69.41%	4.732%
52	13.157	1880	1882	1886	rVB	882134	710510	11.55%	0.788%
53	13.263	1897	1900	1902	rBV2	612653	558784	9.09%	0.620%
54	13.386	1918	1921	1922	rBV	398534	355864	5.79%	0.395%
55	13.663	1966	1968	1973	rVB	719586	659227	10.72%	0.731%
56	13.804	1990	1992	1994	rVB	437327	314744	5.12%	0.349%
57	13.827	1994	1996	2000	rBV2	362218	449874	7.32%	0.499%
58	13.874	2001	2004	2008	rVB	1314615	1277849	20.78%	1.417%
59	14.021	2025	2029	2033	rBV2	3423092	4933742	80.24%	5.471%
60	14.057	2033	2035	2038	rVB	2501848	1951776	31.74%	2.164%
61	14.133	2046	2048	2051	rBV	410479	329775	5.36%	0.366%
62	15.080	2205	2209	2212	rBV	2308275	3546645	57.68%	3.933%
63	15.386	2257	2261	2266	rVB	1489967	2095311	34.08%	2.323%
64	15.451	2267	2272	2278	rBV	2046291	2975091	48.38%	3.299%
65	15.509	2279	2282	2285	rBV	1172658	1277123	20.77%	1.416%
66	15.657	2305	2307	2313	rVB3	695174	903034	14.69%	1.001%
67	16.227	2400	2404	2411	rVB	1015081	1640994	26.69%	1.820%
68	16.986	2528	2533	2540	rVB2	962450	1910728	31.07%	2.119%
69	17.427	2605	2608	2619	rVB	790062	1479779	24.07%	1.641%

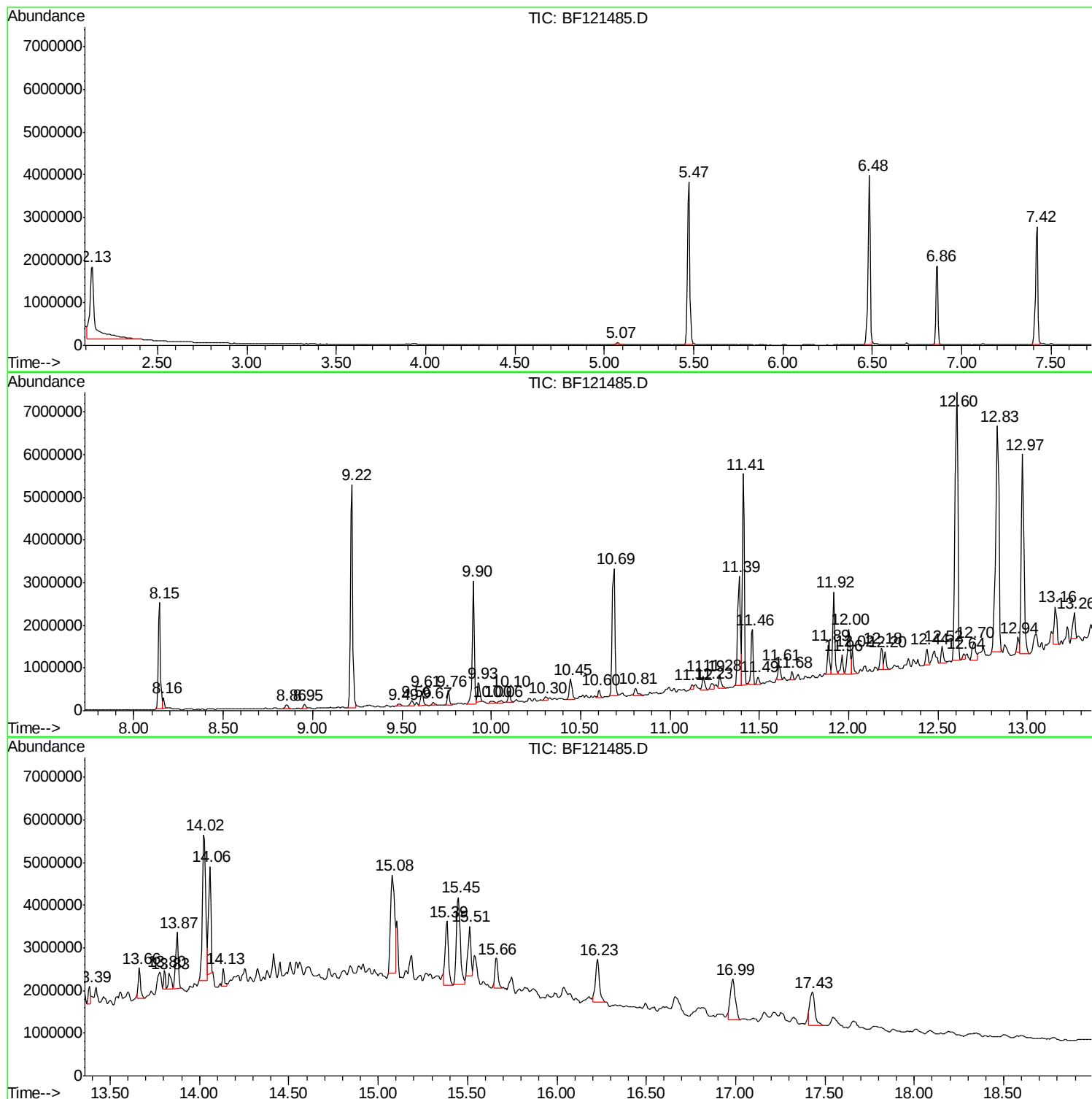
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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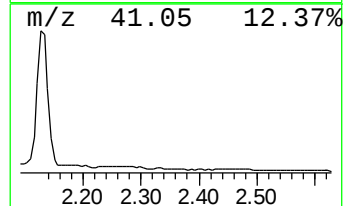
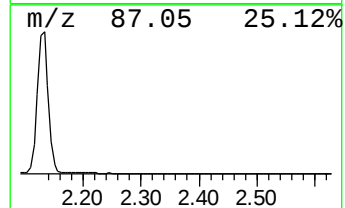
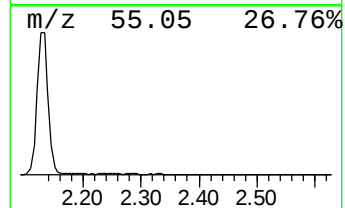
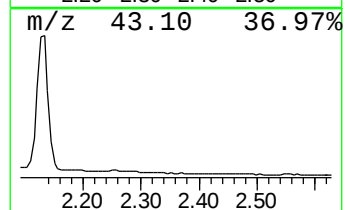
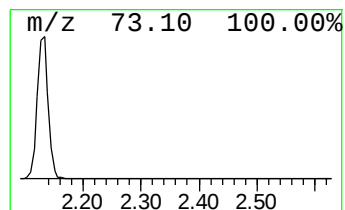
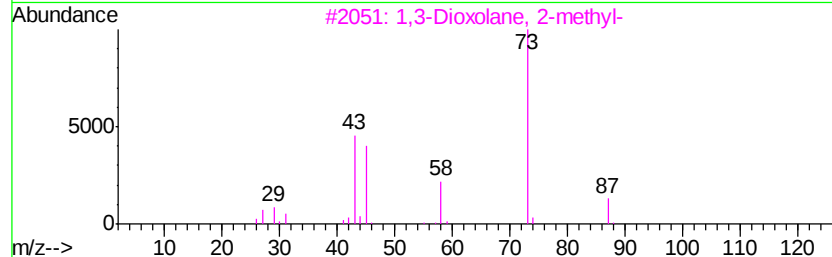
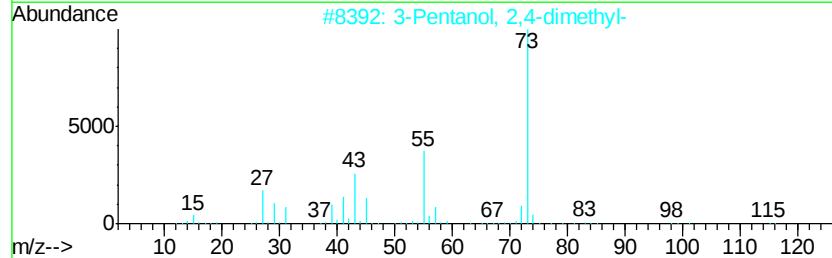
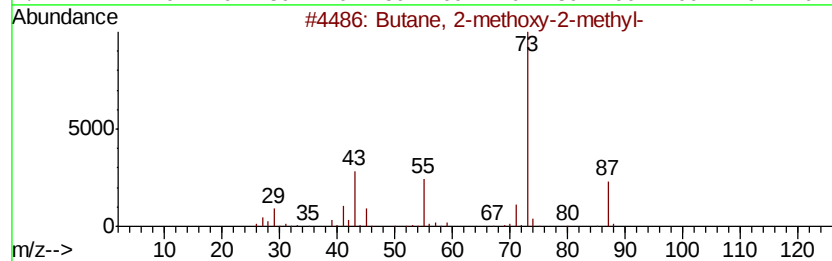
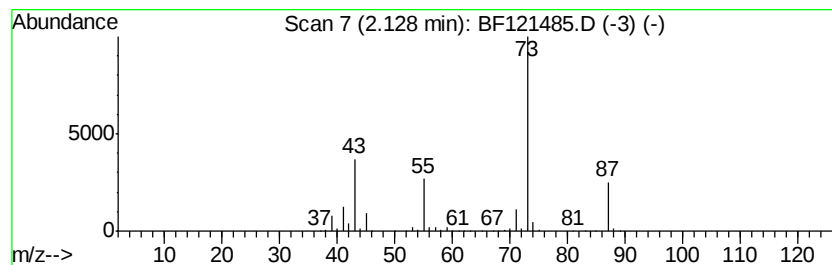
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	45.10 ng	3794880	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



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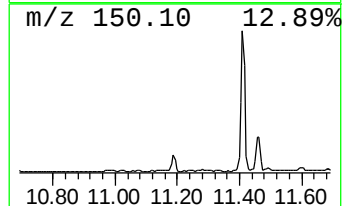
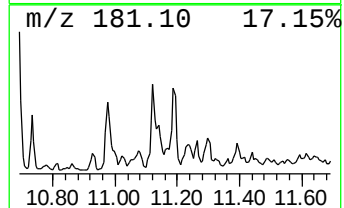
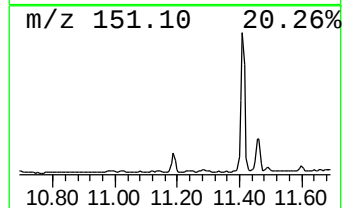
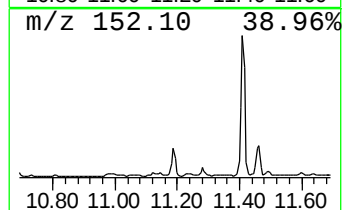
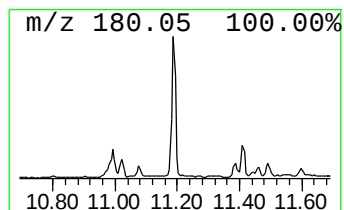
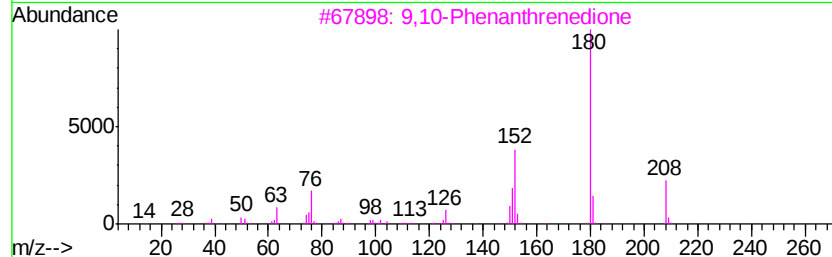
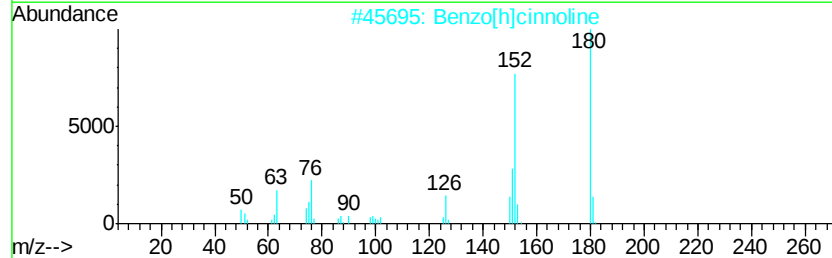
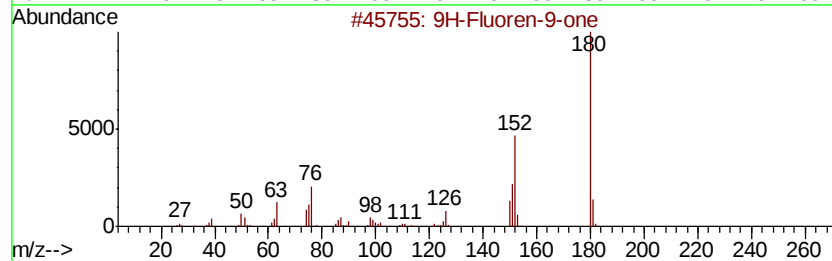
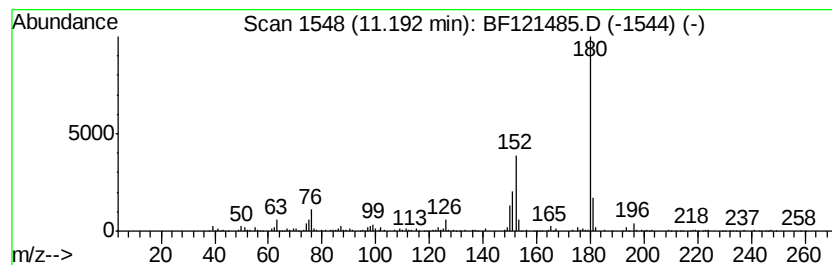
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.19	2.36 ng	283227	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5		Diphenic anhydride	224	C14H8O3	006050-13-1	68



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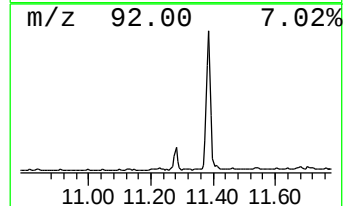
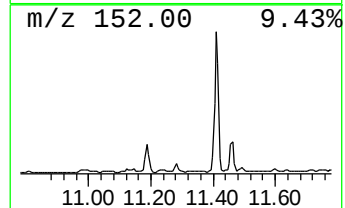
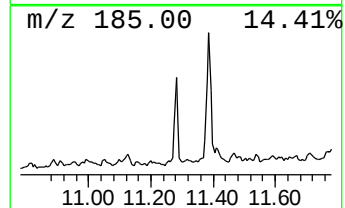
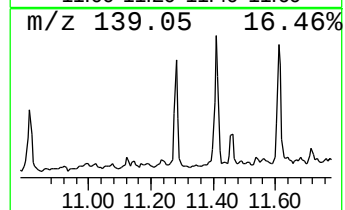
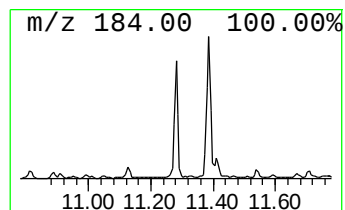
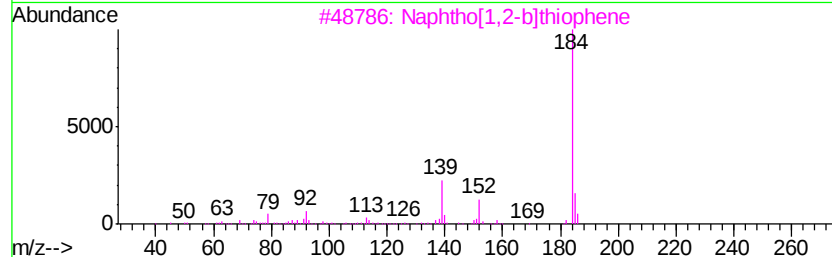
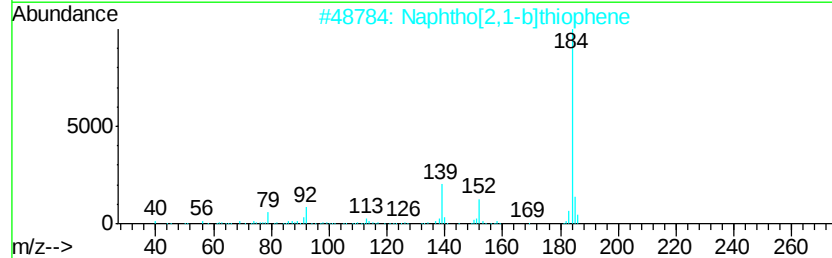
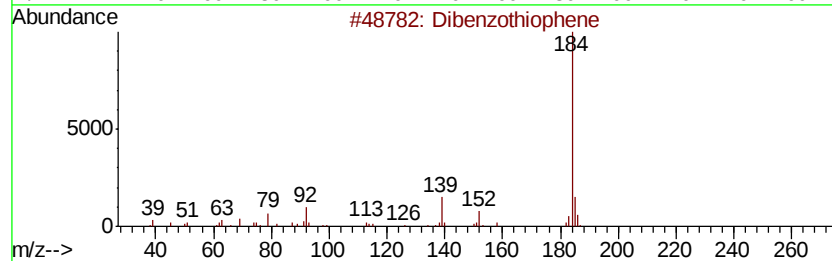
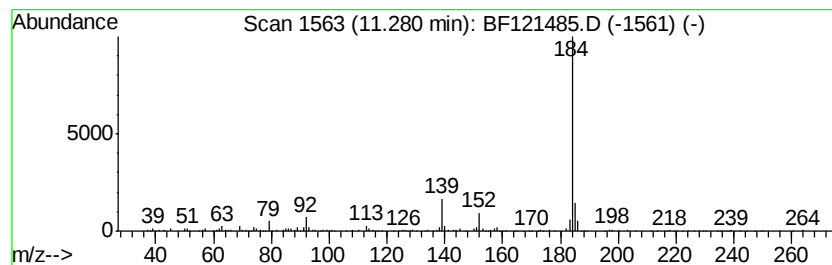
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.42 ng	290403	Phenanthrene-d10	11.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 97
2		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 91
3		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 90
4		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 90
5		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 90



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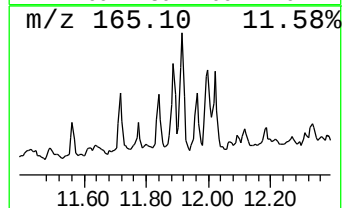
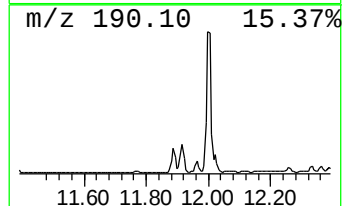
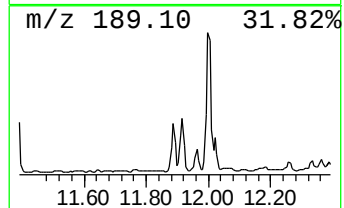
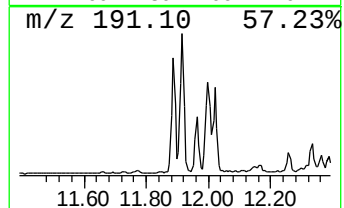
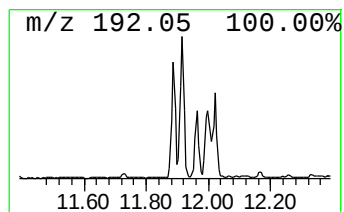
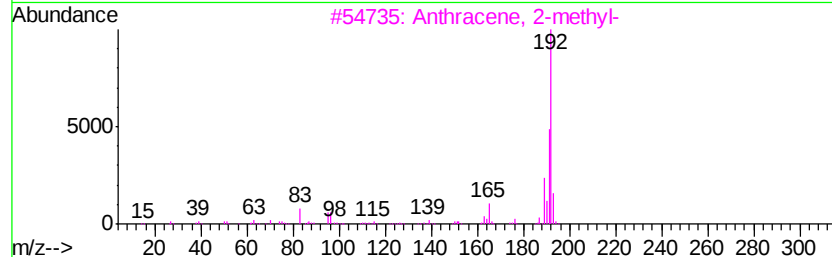
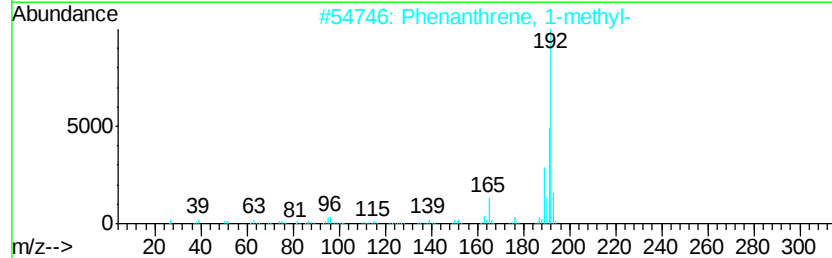
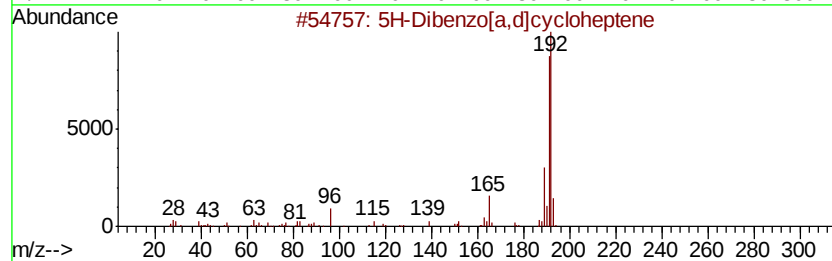
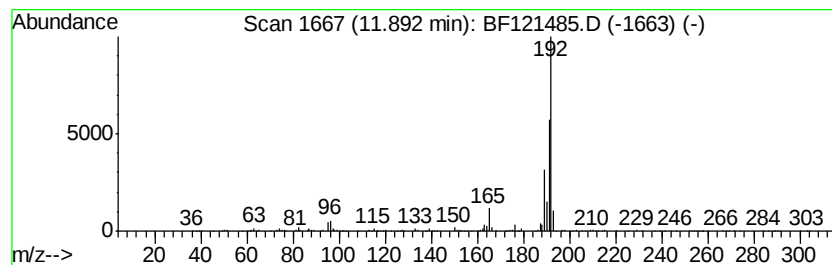
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Peak Number 4 5H-Dibenzo[a,d]cycloheptene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.33 ng	520262	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-B

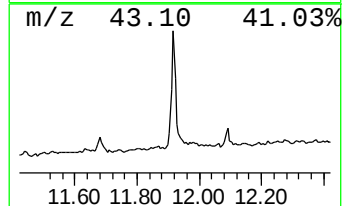
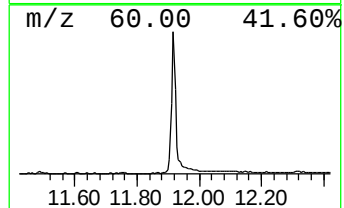
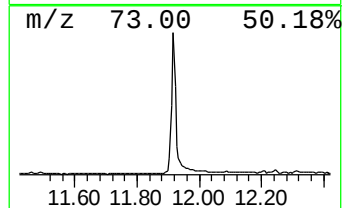
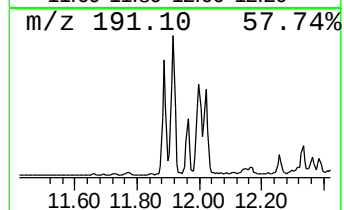
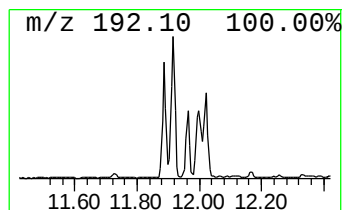
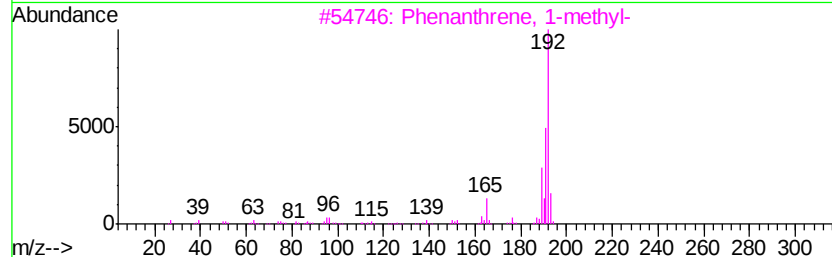
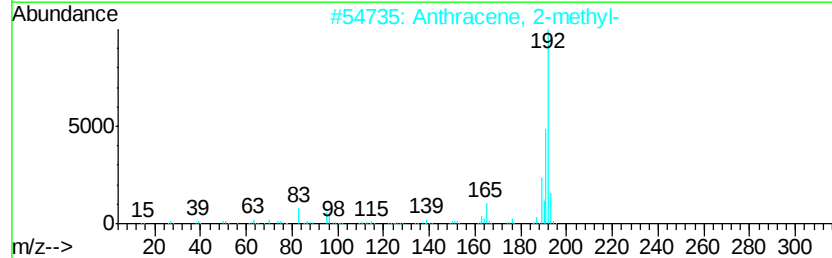
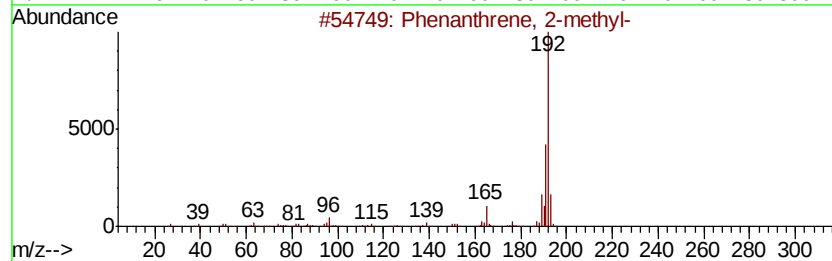
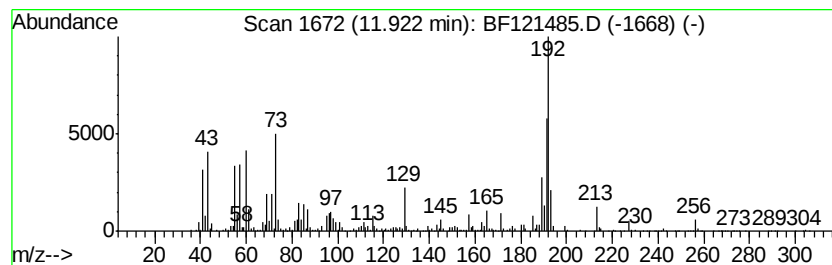
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	14.01 ng	1683050	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-B

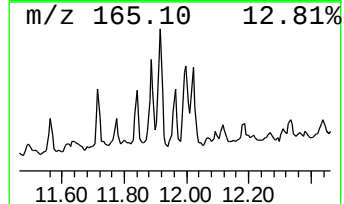
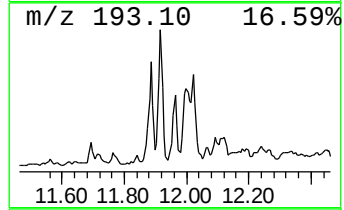
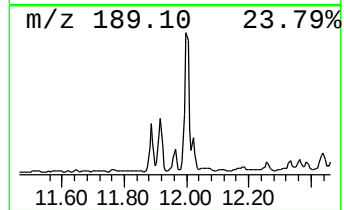
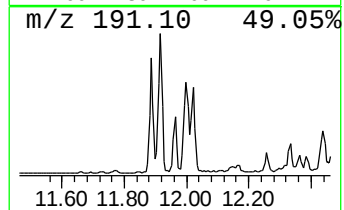
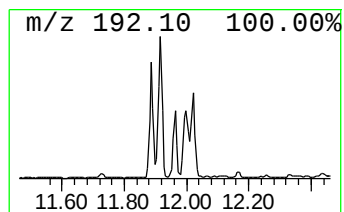
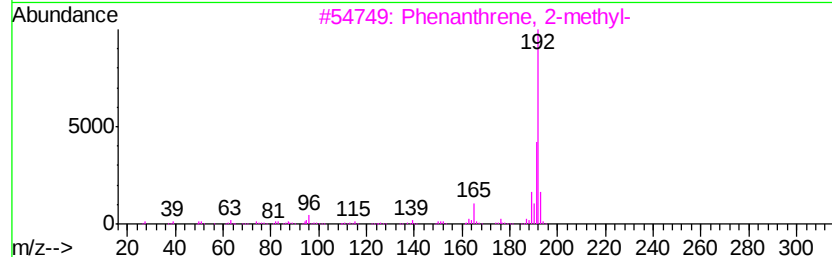
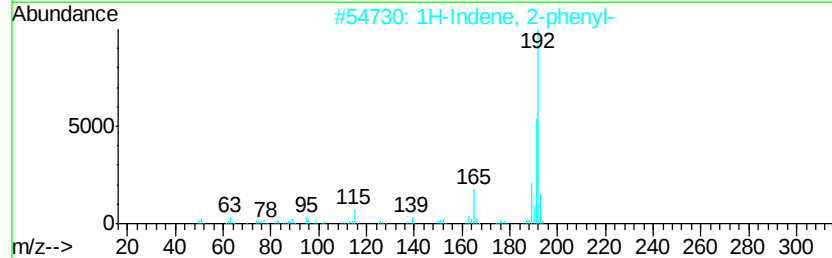
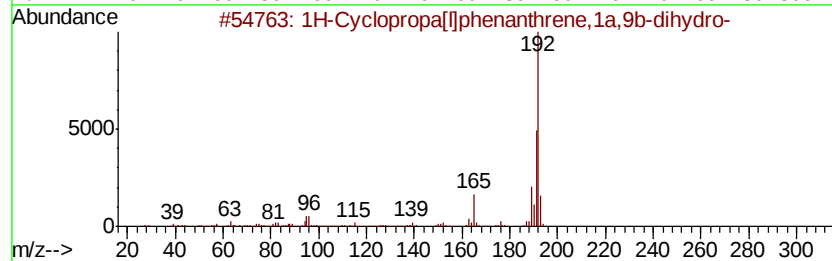
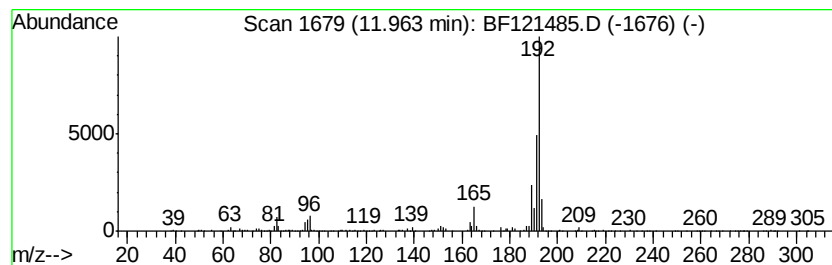
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.04 ng	365487	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LINDEN-JOP-BH-12-B

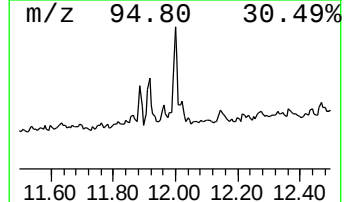
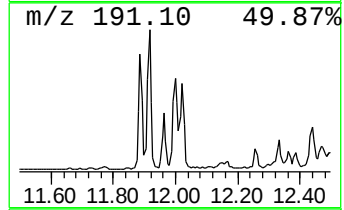
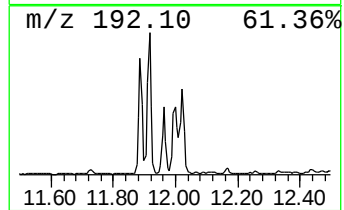
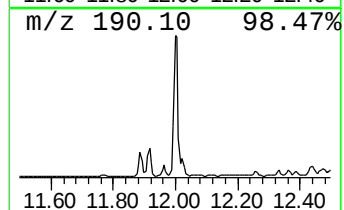
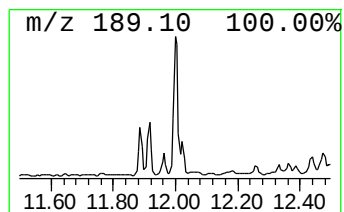
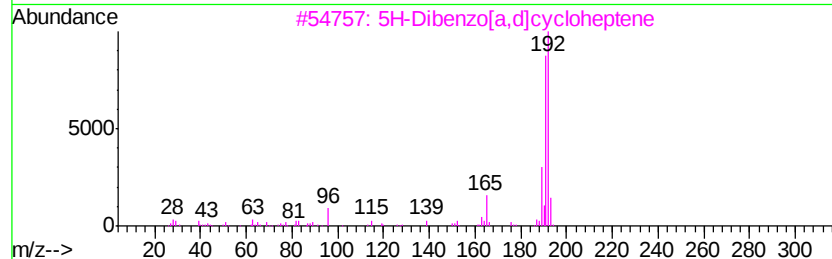
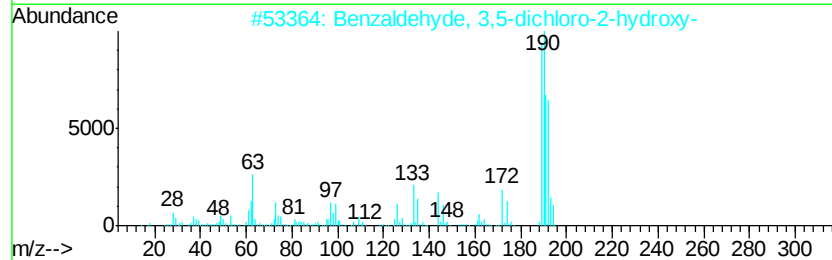
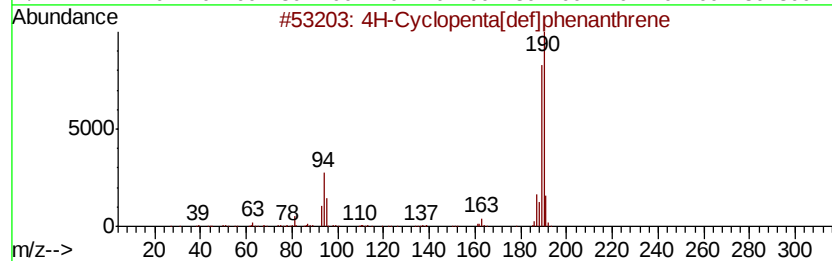
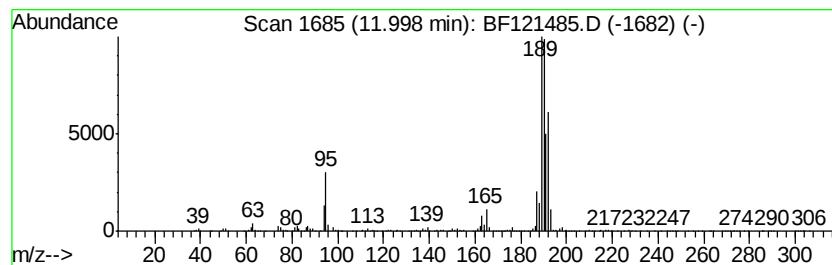
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	9.96 ng	1196520	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-B

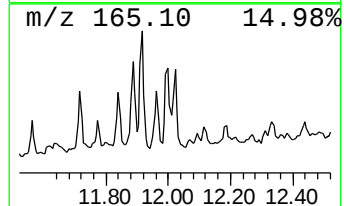
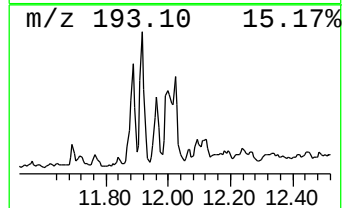
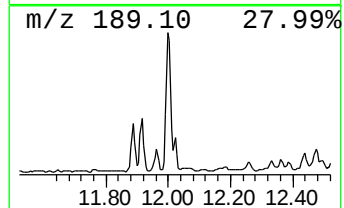
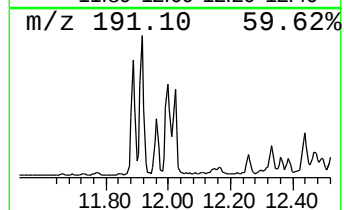
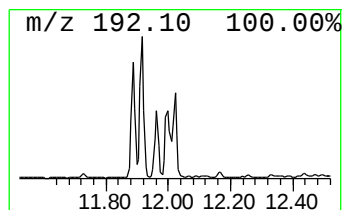
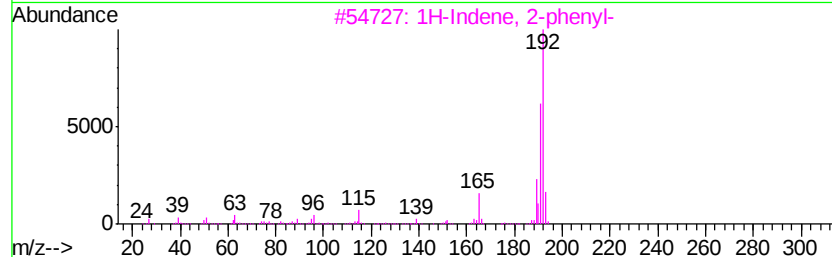
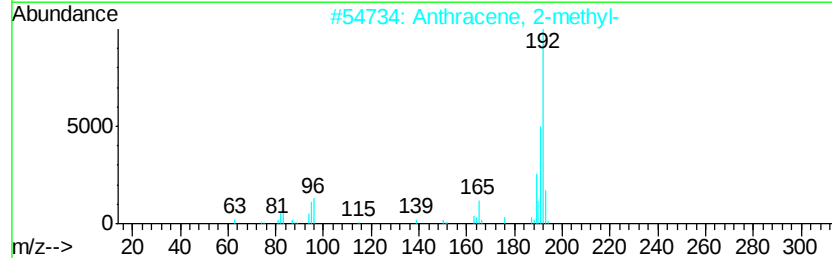
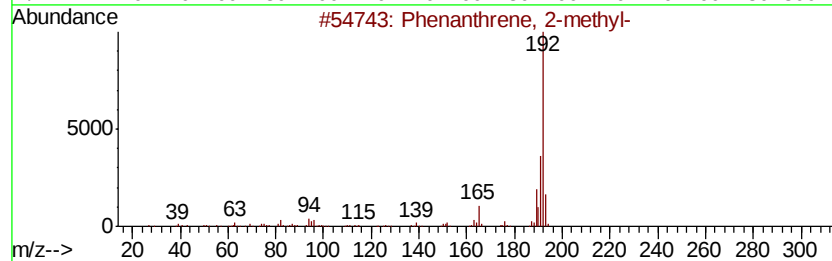
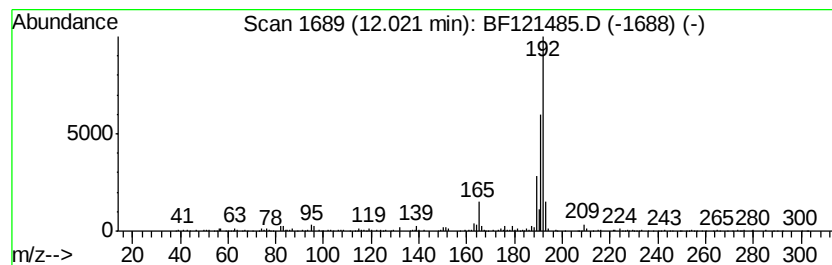
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.78 ng	333393	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
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Instrument :
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ClientSampleId :
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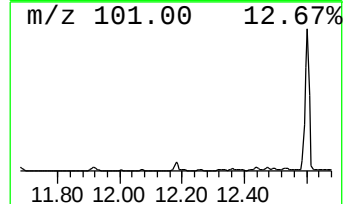
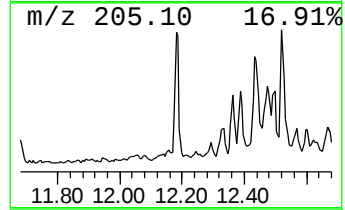
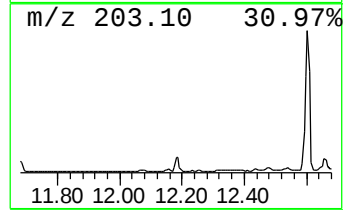
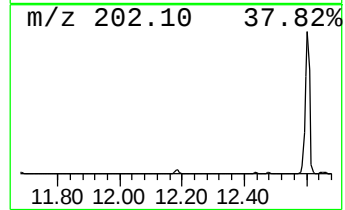
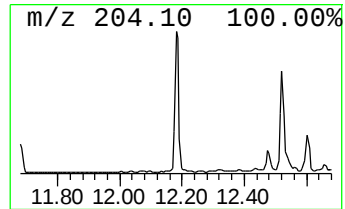
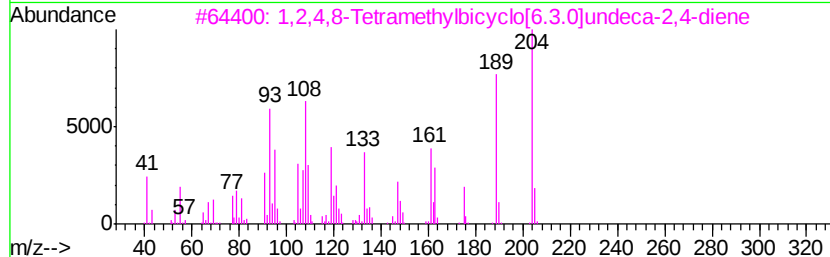
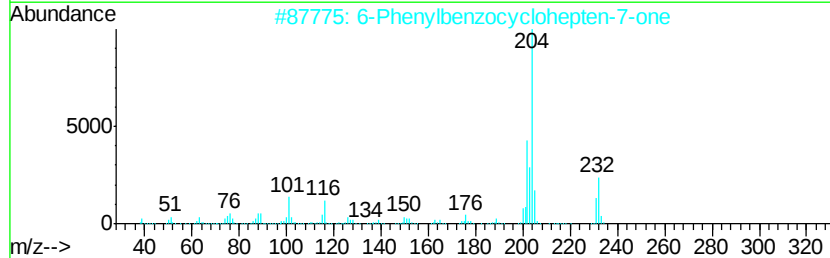
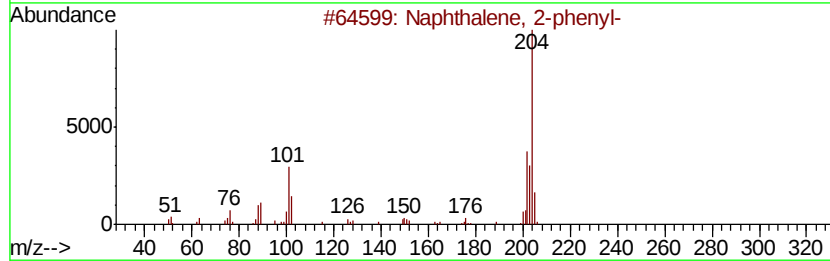
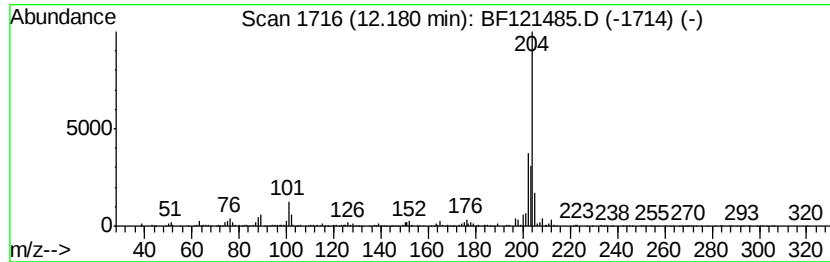
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	3.75 ng	450799	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5		5,16[1',2']:[8,13[1'',2'']]-Dibenz...	408	C32H24	005672-97-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
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ClientSampleId :
LINDEN-JOP-BH-12-B

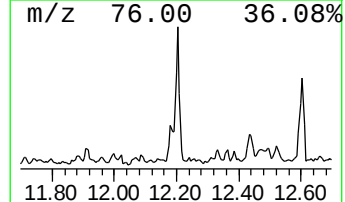
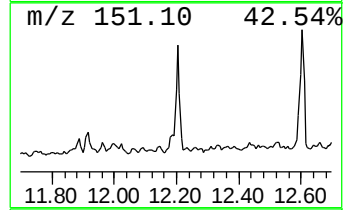
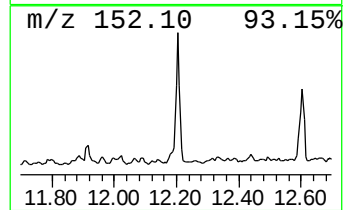
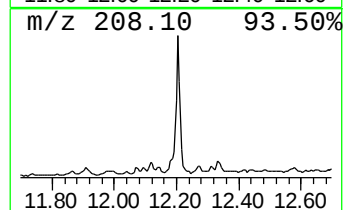
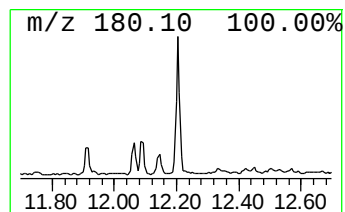
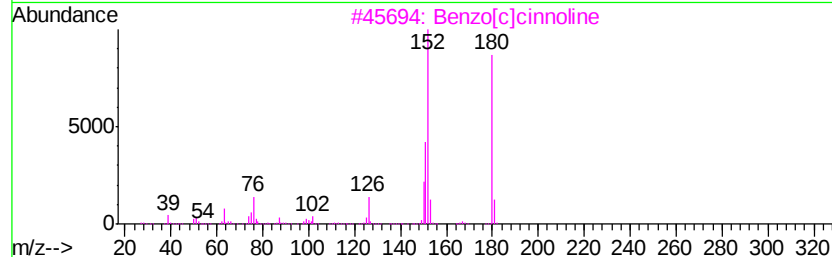
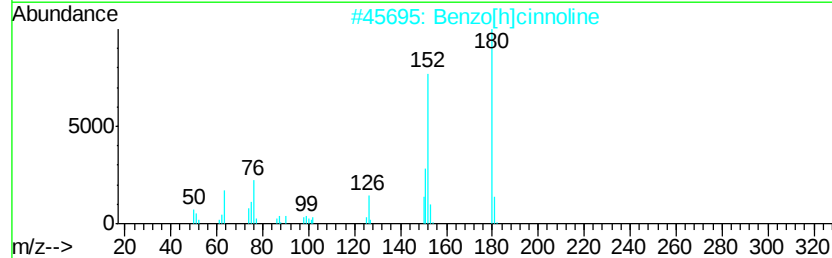
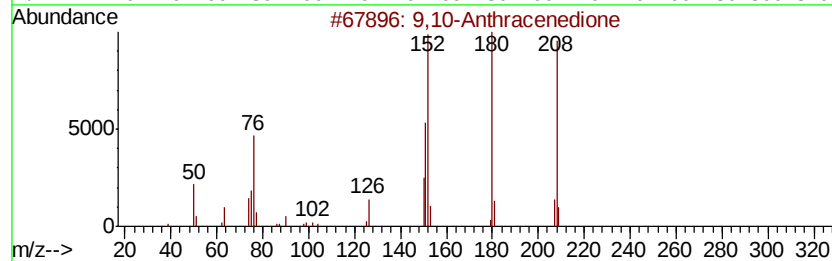
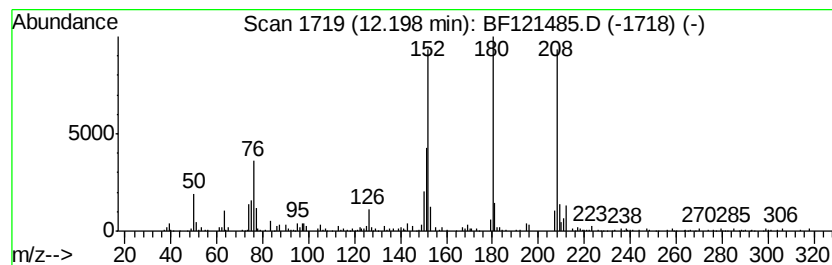
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.06 ng	368139	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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Acq On : 31 Aug 2020 19:02
Operator : JU/CG
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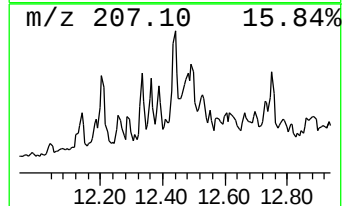
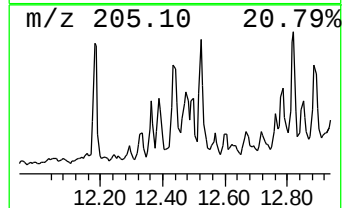
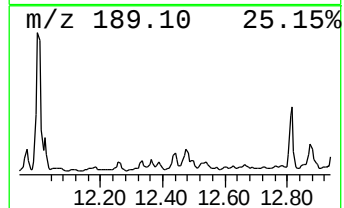
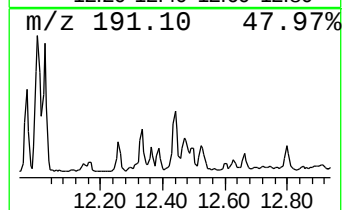
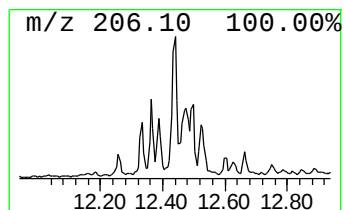
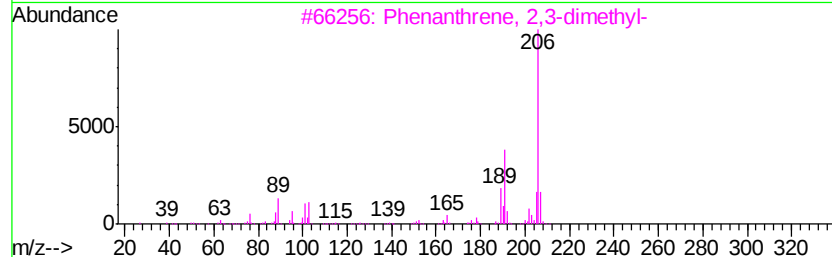
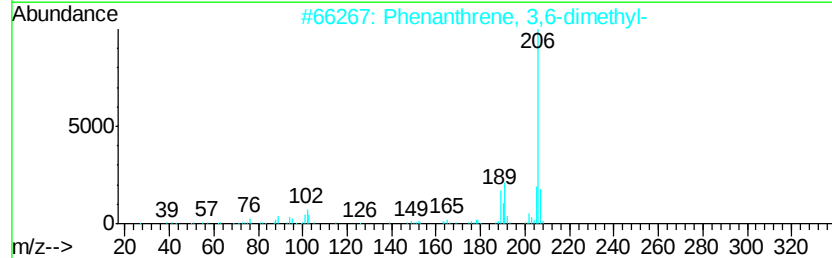
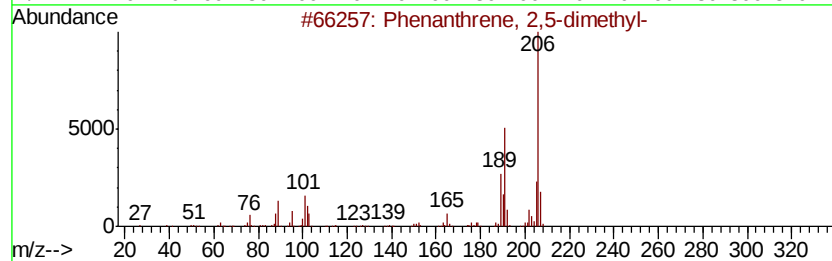
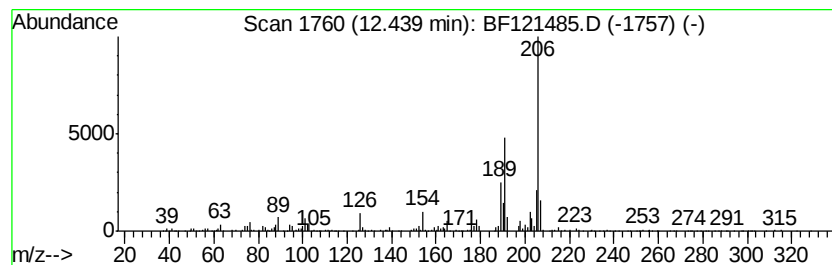
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ClientSampleId :
LINDEN-JOP-BH-12-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.44	3.19 ng	383309	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

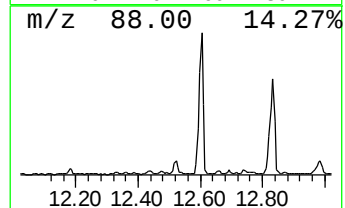
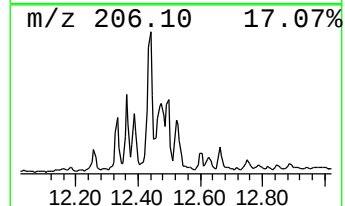
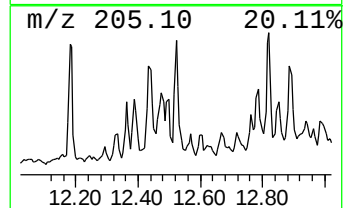
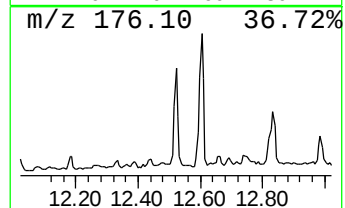
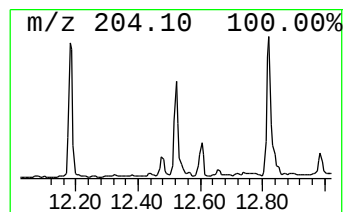
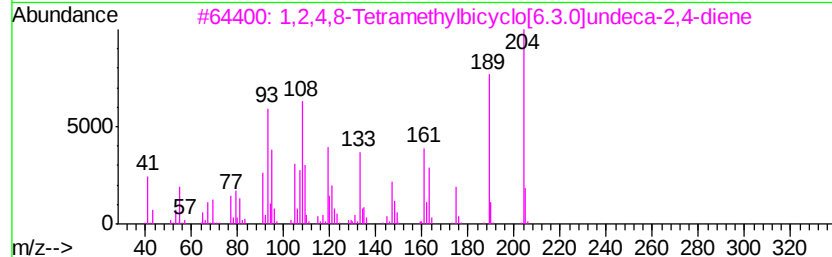
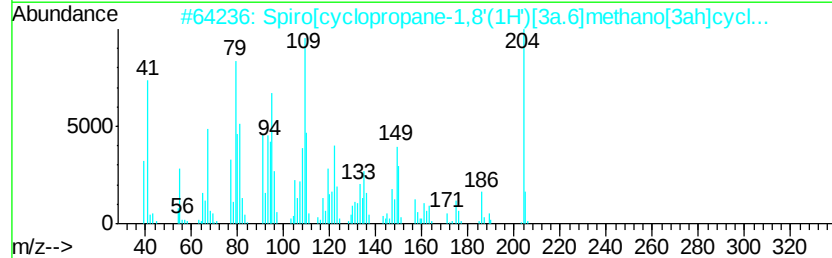
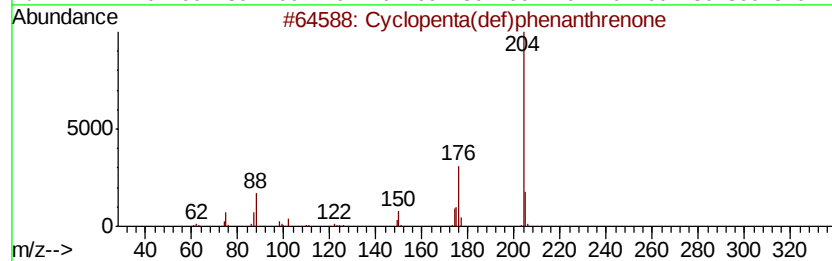
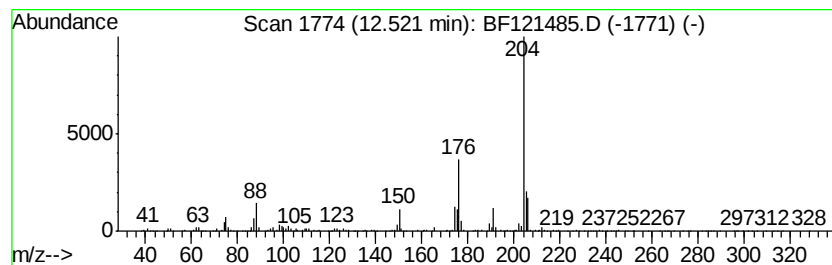
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.52	3.20 ng	384438	Phenanthrene-d10	11.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		Spiro[cyclopropane-1,8'(1H')][3a....	204	C14H20O	452049-62-6	93
3		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
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Operator : JU/CG
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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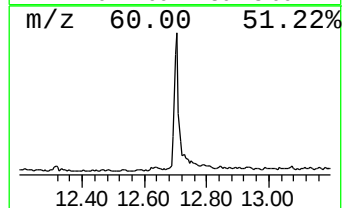
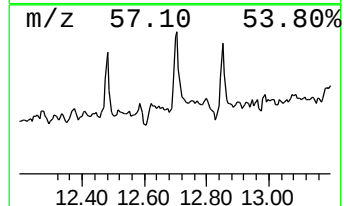
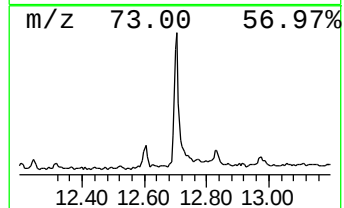
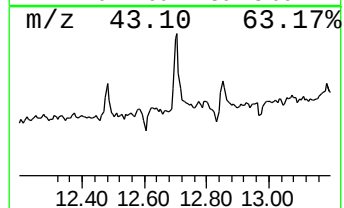
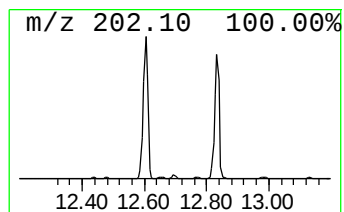
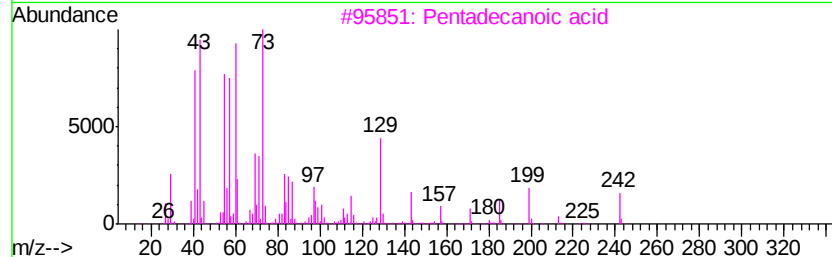
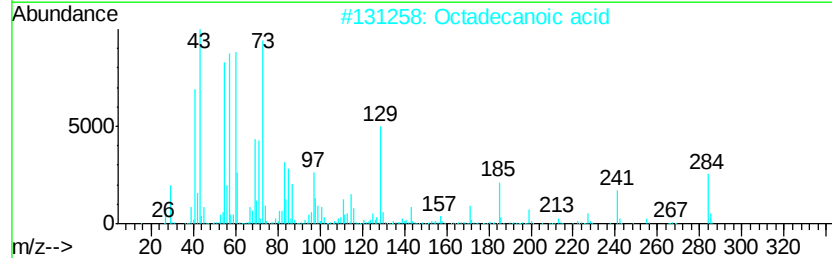
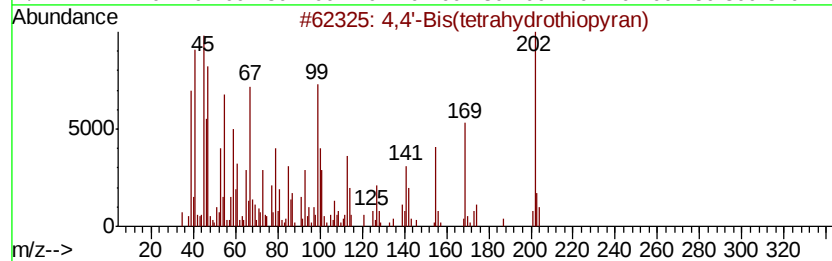
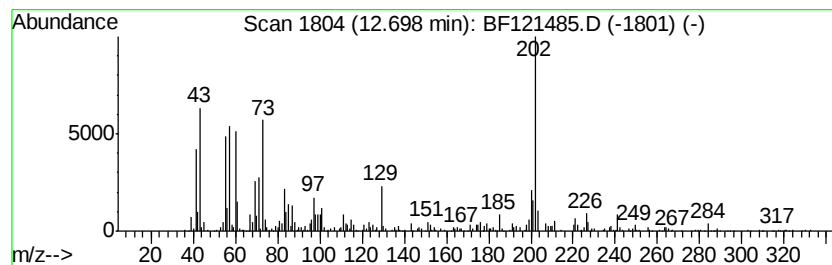
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	4.77 ng	573082	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	94
2			Octadecanoic acid	284	C18H36O2	000057-11-4	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	62
4			Pvrene	202	C16H10	000129-00-0	43
5			Benzene, 2-methoxy-4-(2-propenyl...	202	C13H14O2	055956-27-9	43



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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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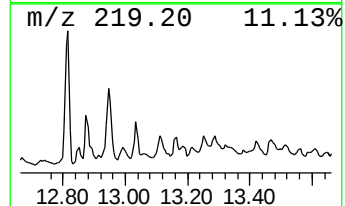
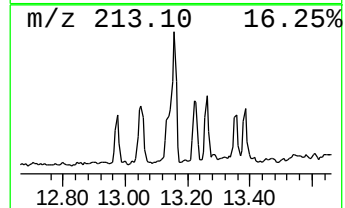
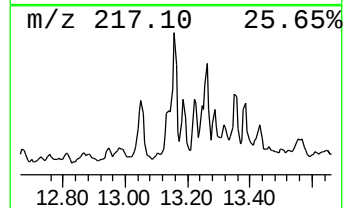
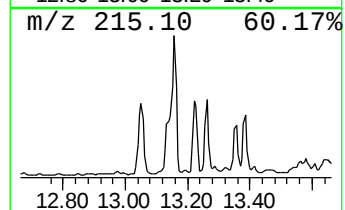
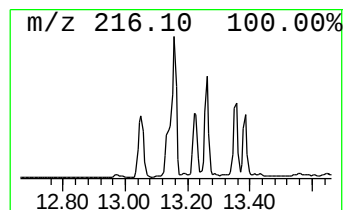
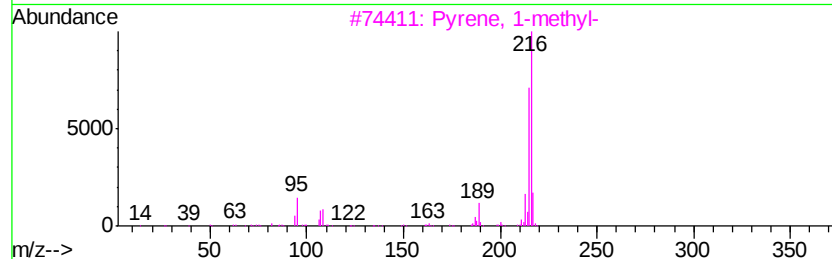
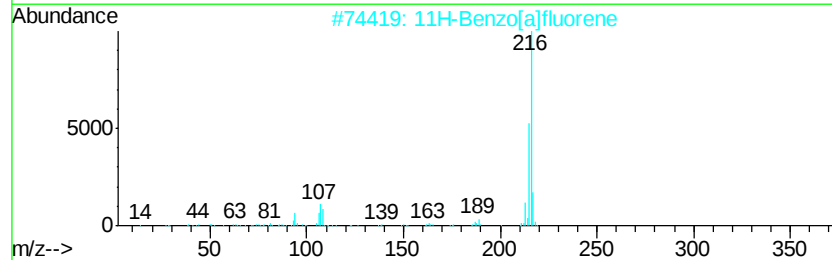
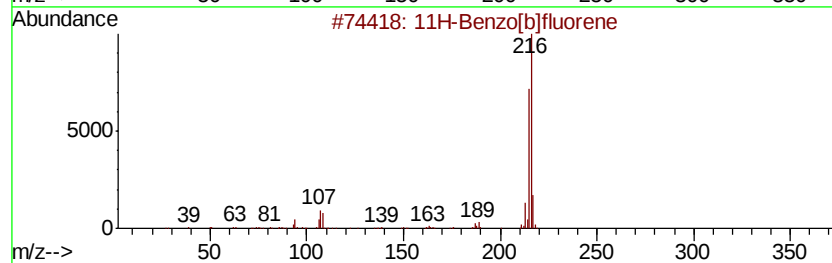
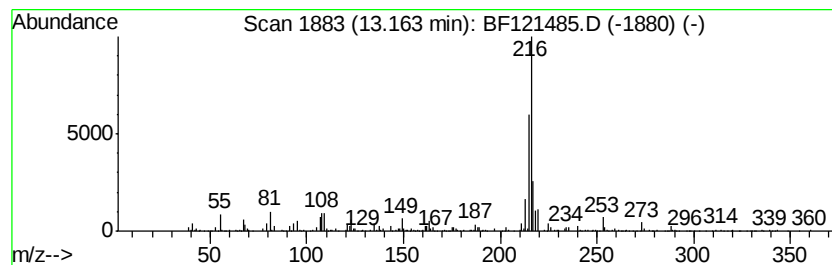
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.88 ng	710510	Chrysene-d12	14.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3			Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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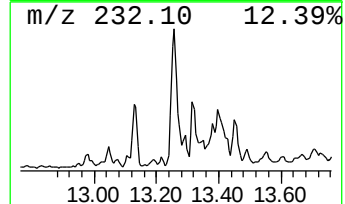
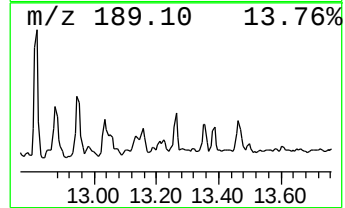
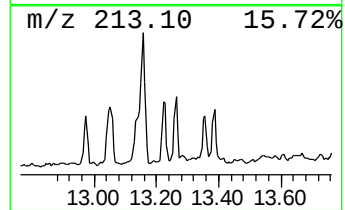
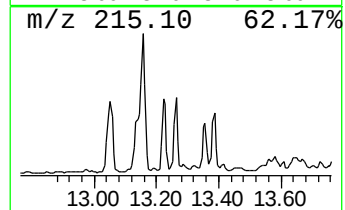
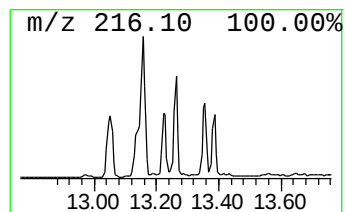
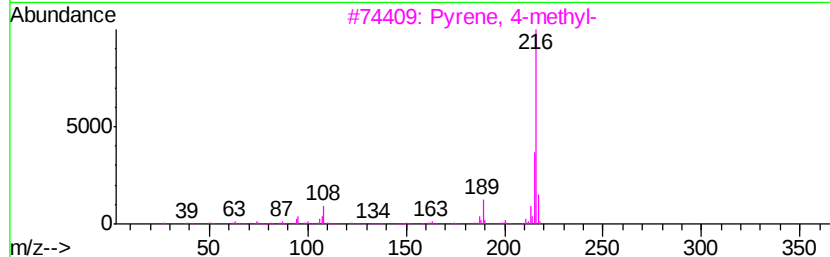
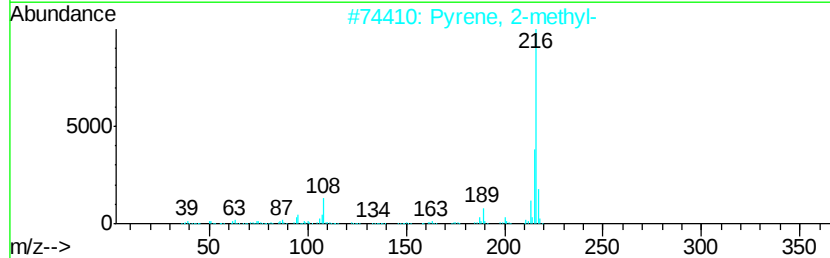
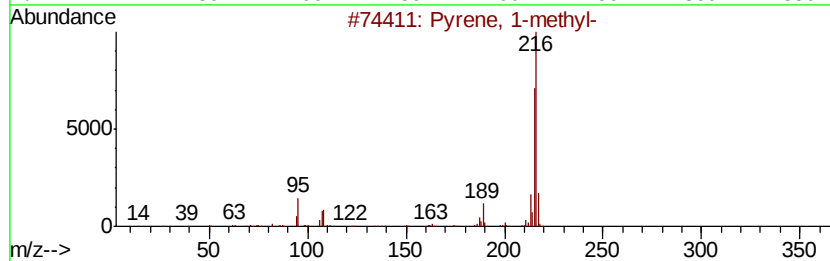
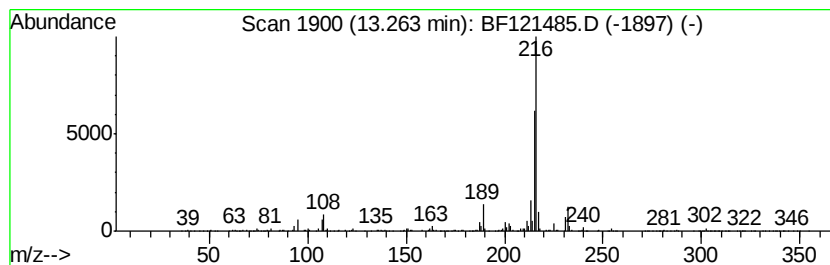
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.27 ng	558784	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
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Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

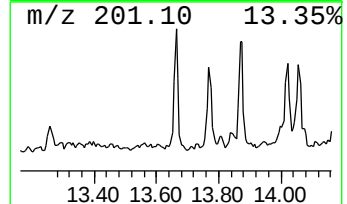
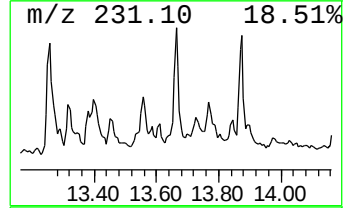
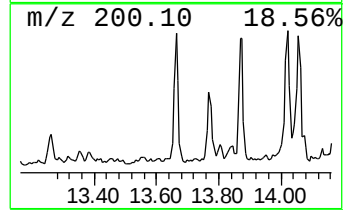
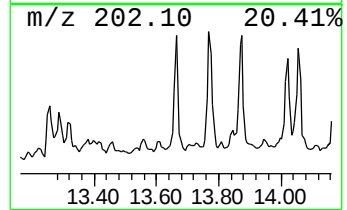
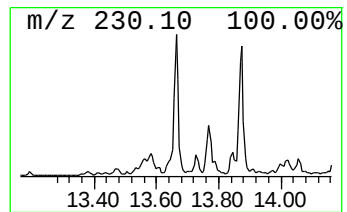
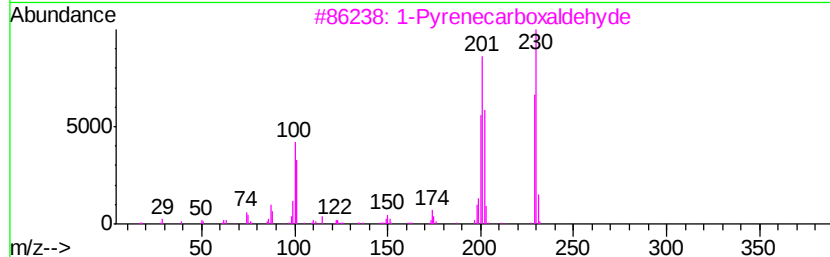
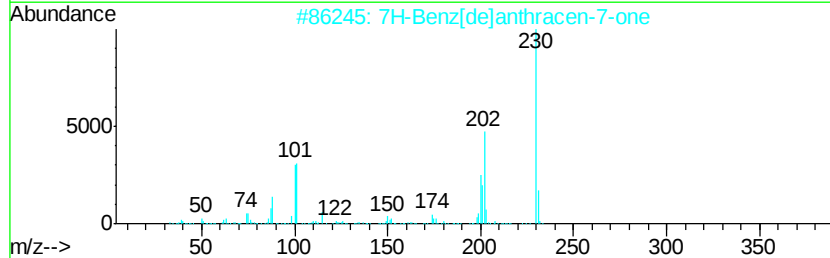
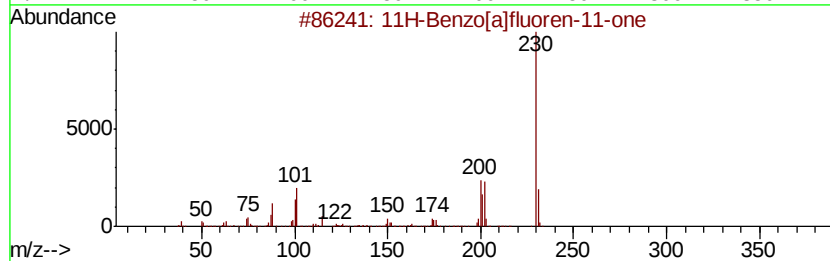
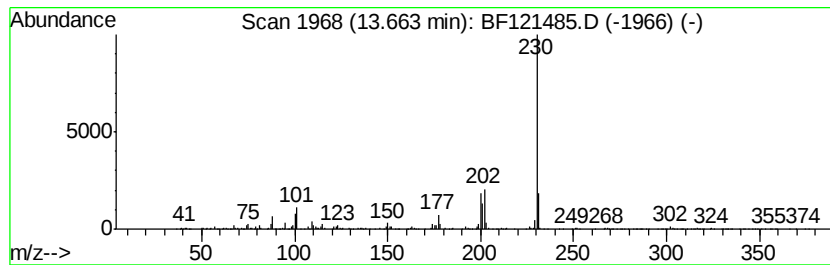
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.66	2.67 ng	659227	Chrysene-d12	14.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	93
2		7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrenecarboxaldehjde	230	C17H10O	003029-19-4	72
4		o-Terphenyl	230	C18H14	000084-15-1	59
5		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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Acq On : 31 Aug 2020 19:02
Operator : JU/CG
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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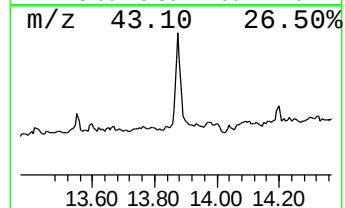
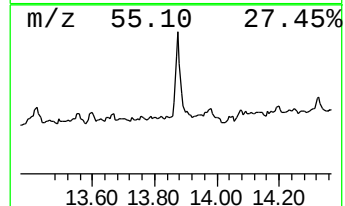
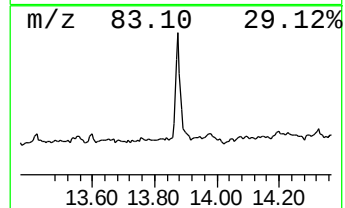
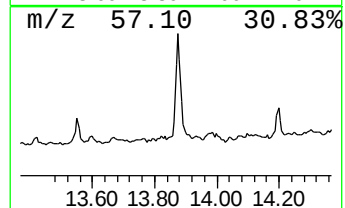
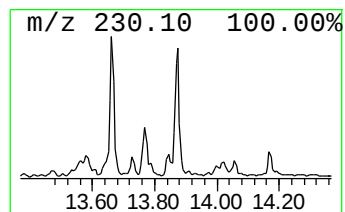
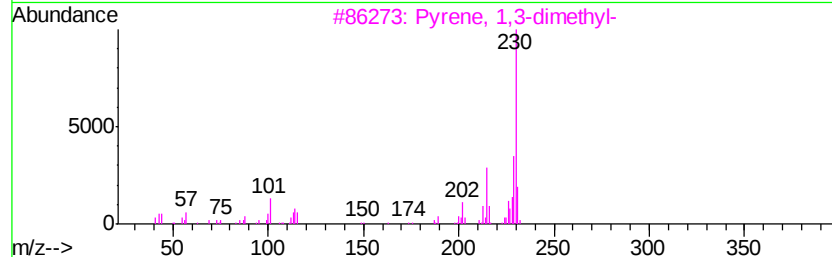
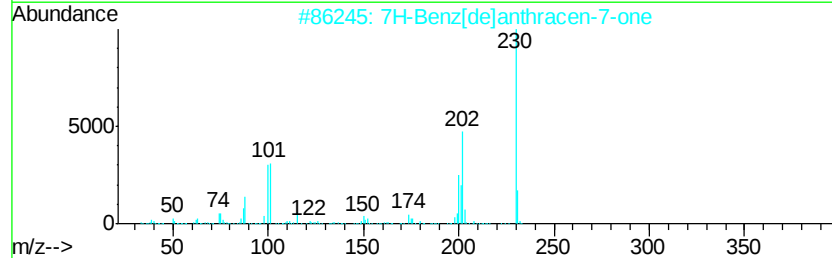
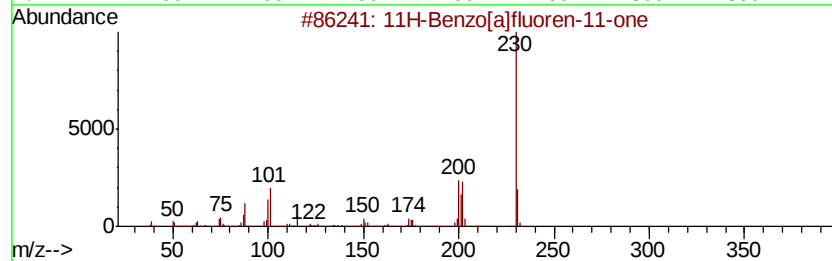
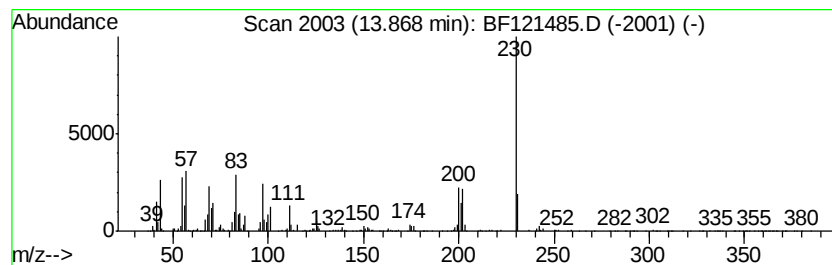
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.18 ng	1277850	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
3		Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	43
4		m-Terphenyl	230	C18H14	000092-06-8	43
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LINDEN-JOP-BH-12-B

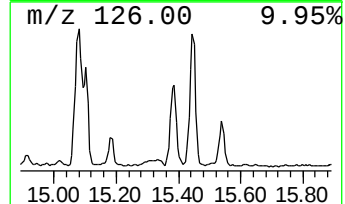
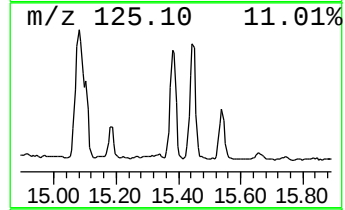
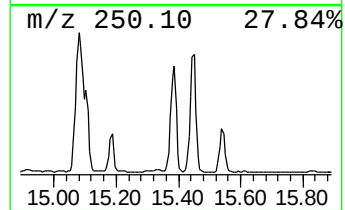
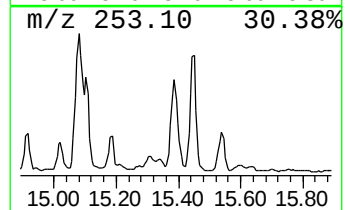
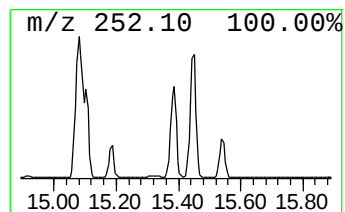
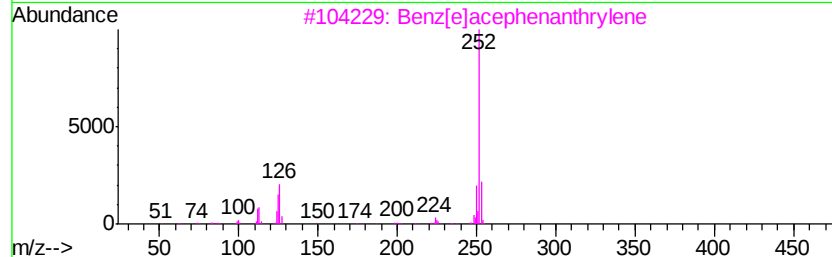
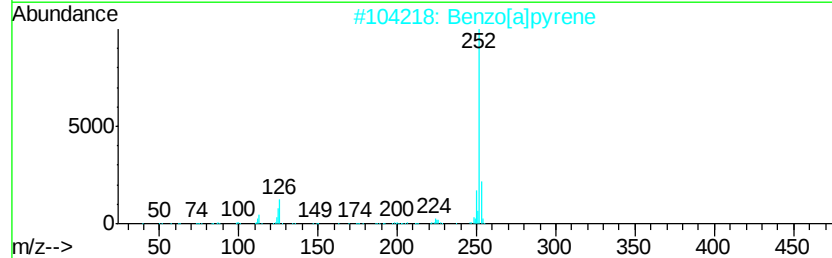
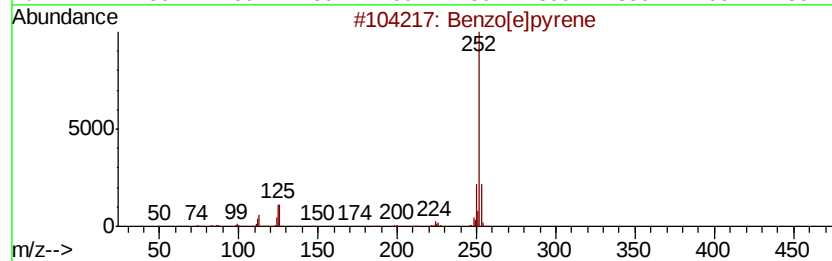
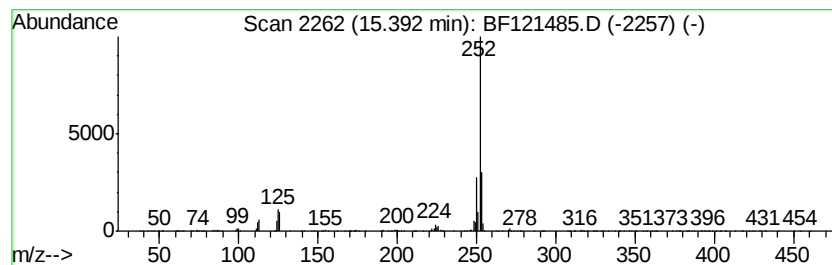
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	32.81 ng	2095310	Perylene-d12	15.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	98
3			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4			Perylene	252	C20H12	000198-55-0	94
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

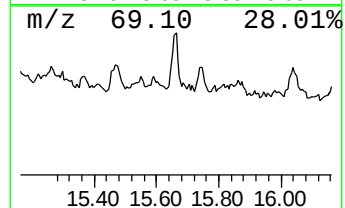
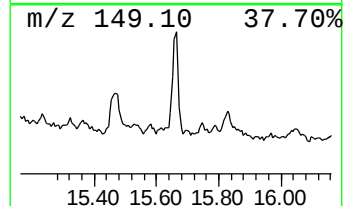
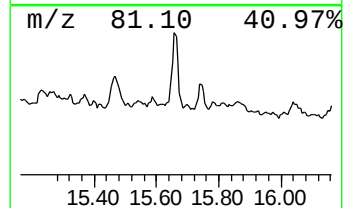
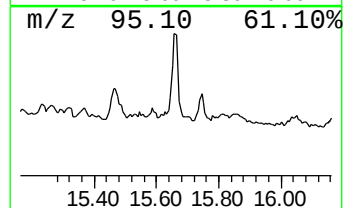
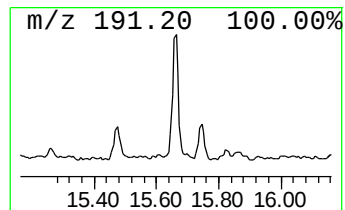
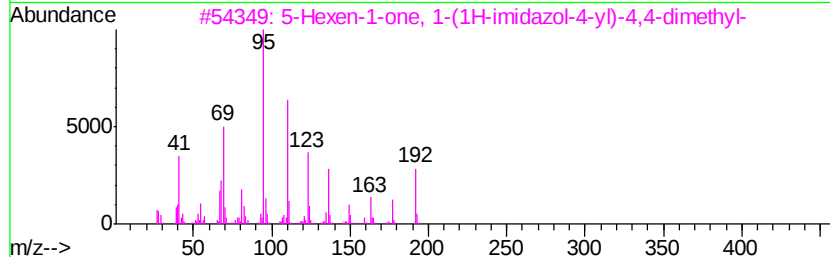
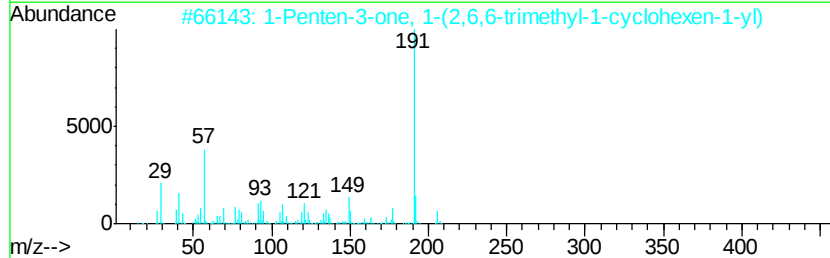
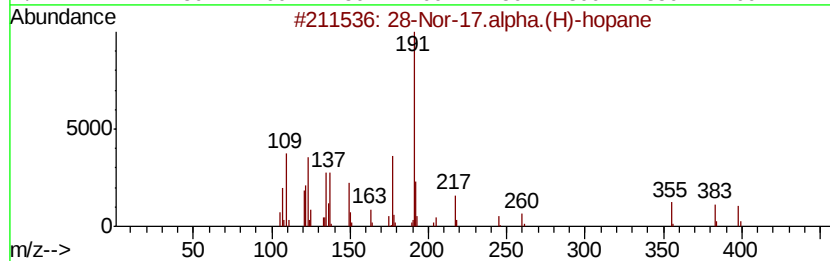
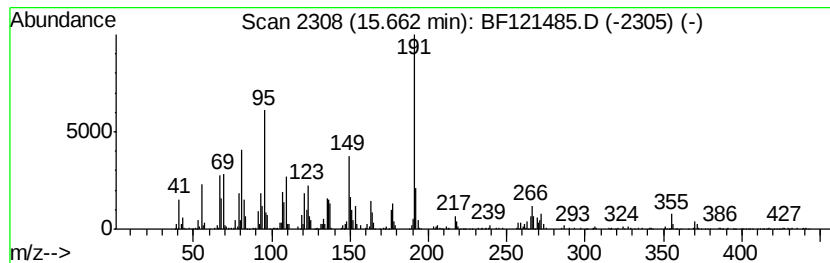
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.66	14.14 ng	903034	Perylene-d12	15.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64	
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	58	
3	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	55	
4	Isophthalic acid, 2,6-dichloroph...	352	C17H14Cl2O4	1000344-61-9	35	
5	Isophthalic acid, 2,6-dimethylno...	356	C22H28O4	1000343-85-4	35	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121485.D
Acq On : 31 Aug 2020 19:02
Operator : JU/CG
Sample : L3847-27
Misc :
ALS Vial : 14 Sample Multiplier: 1

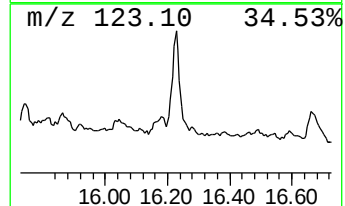
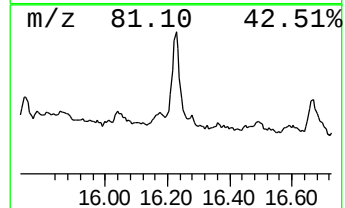
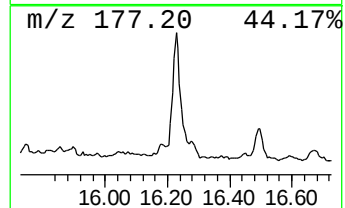
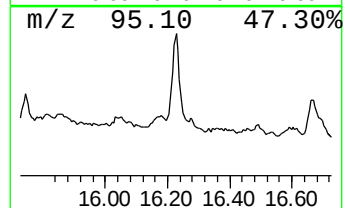
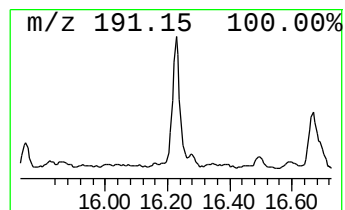
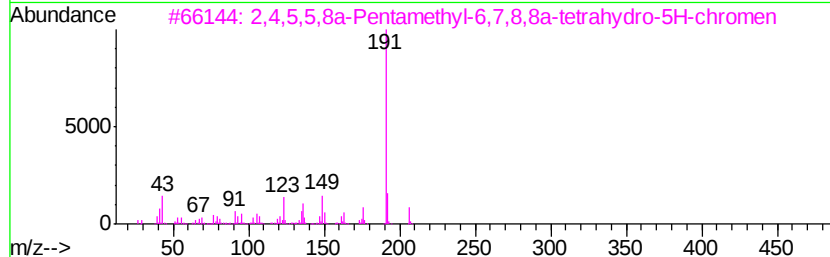
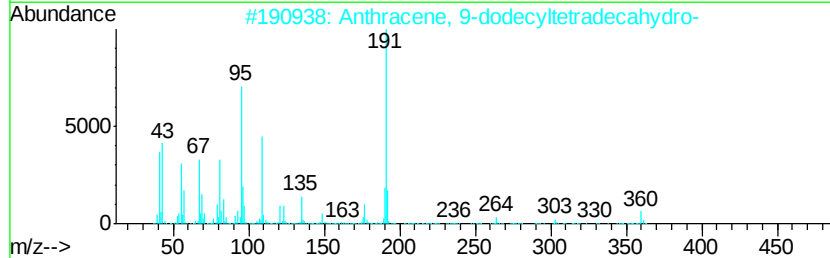
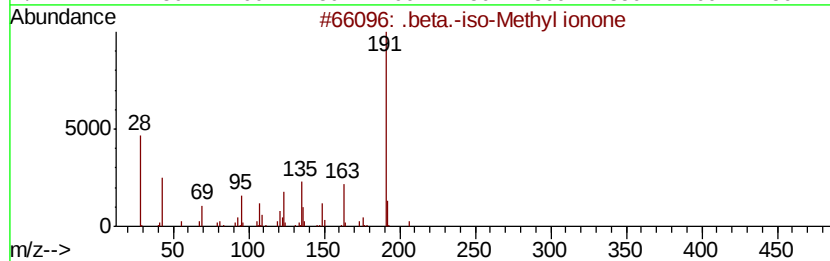
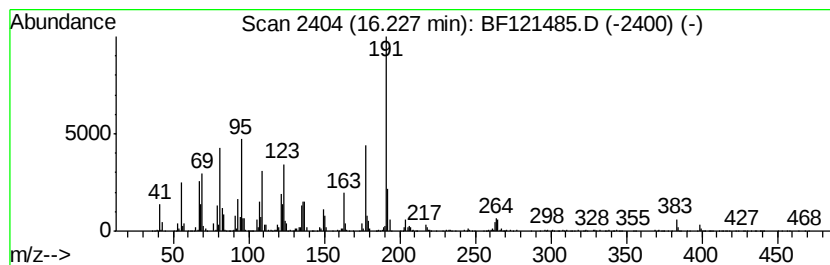
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-12-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown16.23 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.23	25.70 ng	1640990	Perylene-d12	15.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
3		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
4		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	38
5		4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
 Data File : BF121485.D
 Acq On : 31 Aug 2020 19:02
 Operator : JU/CG
 Sample : L3847-27
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-12-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	45.1 ng		3794880	1	6.86	1682930	20.0
9H-Fluoren-9-one	11.19	2.4 ng		283227	4	11.39	2402750	20.0
Dibenzothiophene	11.28	2.4 ng		290403	4	11.39	2402750	20.0
5H-Dibenzo[a,d]cy...	11.89	4.3 ng		520262	4	11.39	2402750	20.0
Phenanthrene, 2-m...	11.92	14.0 ng		1683050	4	11.39	2402750	20.0
1H-Cyclopropa[l]p...	11.96	3.0 ng		365487	4	11.39	2402750	20.0
4H-Cyclopenta[def...	12.00	10.0 ng		1196520	4	11.39	2402750	20.0
Anthracene, 2-met...	12.02	2.8 ng		333393	4	11.39	2402750	20.0
Naphthalene, 2-ph...	12.18	3.8 ng		450799	4	11.39	2402750	20.0
9,10-Anthracenedione	12.20	3.1 ng		368139	4	11.39	2402750	20.0
Phenanthrene, 2,5...	12.44	3.2 ng		383309	4	11.39	2402750	20.0
Cyclopenta(def)ph...	12.52	3.2 ng		384438	4	11.39	2402750	20.0
4,4'-Bis(tetrahyd...	12.70	4.8 ng		573082	4	11.39	2402750	20.0
11H-Benzo[b]fluorene	13.16	2.9 ng		710510	5	14.03	4933740	20.0
Pyrene, 1-methyl-	13.26	2.3 ng		558784	5	14.03	4933740	20.0
11H-Benzo[a]fluor...	13.66	2.7 ng		659227	5	14.03	4933740	20.0
7H-Benz[de]anthra...	13.87	5.2 ng		1277850	5	14.03	4933740	20.0
Benzo[e]pyrene	15.39	32.8 ng		2095310	6	15.51	1277120	20.0
28-Nor-17.alpha.(...	15.66	14.1 ng		903034	6	15.51	1277120	20.0
unknown16.23	16.23	25.7 ng		1640990	6	15.51	1277120	20.0