

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090519\
 Data File : BF116843.D
 Acq On : 5 Sep 2019 17:34
 Operator : HP/JU
 Sample : K4680-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-1-4-(0-1.5)

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-BF083019.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	5.457	569	573	585	rVB	664755	603675	39.15%	3.048%
2	6.475	742	746	758	rBV	818630	688765	44.67%	3.477%
3	6.616	766	770	773	rBV	833460	687180	44.57%	3.469%
4	6.845	805	809	817	rBV	704206	555987	36.06%	2.807%
5	7.004	832	836	839	rBV	592265	527320	34.20%	2.662%
6	7.398	900	903	909	rBV	444760	395347	25.64%	1.996%
7	8.127	1023	1027	1030	rBV	954659	788405	51.14%	3.981%
8	8.839	1145	1148	1153	rBV	75630	59127	3.83%	0.299%
9	8.886	1153	1156	1162	rBV2	33790	48211	3.13%	0.243%
10	8.939	1162	1165	1169	rVB	44031	35817	2.32%	0.181%
11	9.198	1206	1209	1213	rBV	1097973	842043	54.61%	4.251%
12	9.469	1251	1255	1258	rBV	17666	22341	1.45%	0.113%
13	9.539	1263	1267	1269	rBV	32299	31119	2.02%	0.157%
14	9.586	1273	1275	1281	rVB	84120	73729	4.78%	0.372%
15	9.739	1299	1301	1304	rBV	25765	18538	1.20%	0.094%
16	9.880	1319	1325	1328	rBV	1149612	906999	58.83%	4.579%
17	9.910	1328	1330	1334	rVB	203116	171801	11.14%	0.867%
18	10.080	1356	1359	1364	rBV	91290	87124	5.65%	0.440%
19	10.286	1390	1394	1396	rBV3	17400	18056	1.17%	0.091%
20	10.427	1414	1418	1423	rBV	158043	145724	9.45%	0.736%
21	10.492	1423	1429	1431	rBV2	23861	34706	2.25%	0.175%
22	10.516	1431	1433	1435	rVB	23455	19323	1.25%	0.098%
23	10.580	1442	1444	1448	rVB	35078	30559	1.98%	0.154%
24	10.663	1455	1458	1462	rBV	526199	474737	30.79%	2.397%
25	10.710	1463	1466	1470	rVB3	24710	28564	1.85%	0.144%
26	10.786	1476	1479	1483	rBV3	40135	41554	2.70%	0.210%
27	10.974	1508	1511	1513	rBV2	20234	23882	1.55%	0.121%
28	11.168	1541	1544	1547	rVB	49941	39984	2.59%	0.202%
29	11.233	1550	1555	1556	rBV4	32705	55162	3.58%	0.279%
30	11.257	1557	1559	1562	rVB	58938	57130	3.71%	0.288%
31	11.363	1574	1577	1579	rBV	841559	820705	53.23%	4.144%
32	11.392	1579	1582	1585	rVV	1283360	1084944	70.37%	5.478%
33	11.439	1587	1590	1593	rVV	298173	242560	15.73%	1.225%
34	11.468	1593	1595	1598	rVB	36470	39591	2.57%	0.200%

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35	11.592	1613	1616	1619	rVB	119510	109908	7.13%	0.555%
36	11.657	1625	1627	1631	rVB4	51161	45079	2.92%	0.228%
37	11.868	1660	1663	1664	rBV	93186	85589	5.55%	0.432%
38	11.892	1664	1667	1670	rVB2	261525	241896	15.69%	1.221%
39	11.980	1678	1682	1684	rBV	171105	179776	11.66%	0.908%
40	12.157	1710	1712	1714	rBV	87360	83231	5.40%	0.420%
41	12.180	1714	1716	1720	rVB	99214	97957	6.35%	0.495%
42	12.580	1780	1784	1787	rVB	1414953	1239864	80.42%	6.260%
43	12.674	1797	1800	1804	rBV5	66248	93661	6.07%	0.473%
44	12.810	1817	1823	1828	rBV	1098162	1258213	81.61%	6.352%
45	12.945	1843	1846	1853	rVB	884114	796240	51.64%	4.020%
46	13.133	1875	1878	1881	rVB	151738	142414	9.24%	0.719%
47	13.198	1887	1889	1892	rVB	113333	86340	5.60%	0.436%
48	13.233	1893	1895	1898	rVB2	72325	69219	4.49%	0.349%
49	13.415	1924	1926	1933	rVB	126744	135509	8.79%	0.684%
50	13.639	1961	1964	1968	rVB	80774	89049	5.78%	0.450%
51	13.751	1980	1983	1985	rBV2	74915	82909	5.38%	0.419%
52	13.774	1985	1987	1990	rVV	85131	75517	4.90%	0.381%
53	13.804	1990	1992	1995	rVV2	119123	133776	8.68%	0.675%
54	13.845	1996	1999	2003	rVB	207421	205648	13.34%	1.038%
55	13.998	2018	2025	2028	rBV4	962116	1541794	100.00%	7.784%
56	14.027	2028	2030	2036	rVB	583094	477683	30.98%	2.412%
57	14.104	2041	2043	2045	rBV	96795	78863	5.12%	0.398%
58	14.168	2051	2054	2060	rVB4	86888	116164	7.53%	0.586%
59	14.386	2089	2091	2093	rVB	83289	64441	4.18%	0.325%
60	14.509	2110	2112	2114	rBV2	65627	75138	4.87%	0.379%
61	14.768	2154	2156	2160	rVB2	82198	72623	4.71%	0.367%
62	15.039	2197	2202	2205	rBV	392433	630371	40.89%	3.183%
63	15.104	2211	2213	2216	rVB2	107627	101464	6.58%	0.512%
64	15.139	2217	2219	2223	rVB	81174	77237	5.01%	0.390%
65	15.333	2249	2252	2258	rVB	195006	279829	18.15%	1.413%
66	15.398	2259	2263	2268	rVB	297864	354114	22.97%	1.788%
67	15.462	2269	2274	2277	rBV	420615	590876	38.32%	2.983%
68	16.909	2516	2520	2528	rVB2	120864	219798	14.26%	1.110%
69	17.350	2591	2595	2606	rVB	82464	173733	11.27%	0.877%

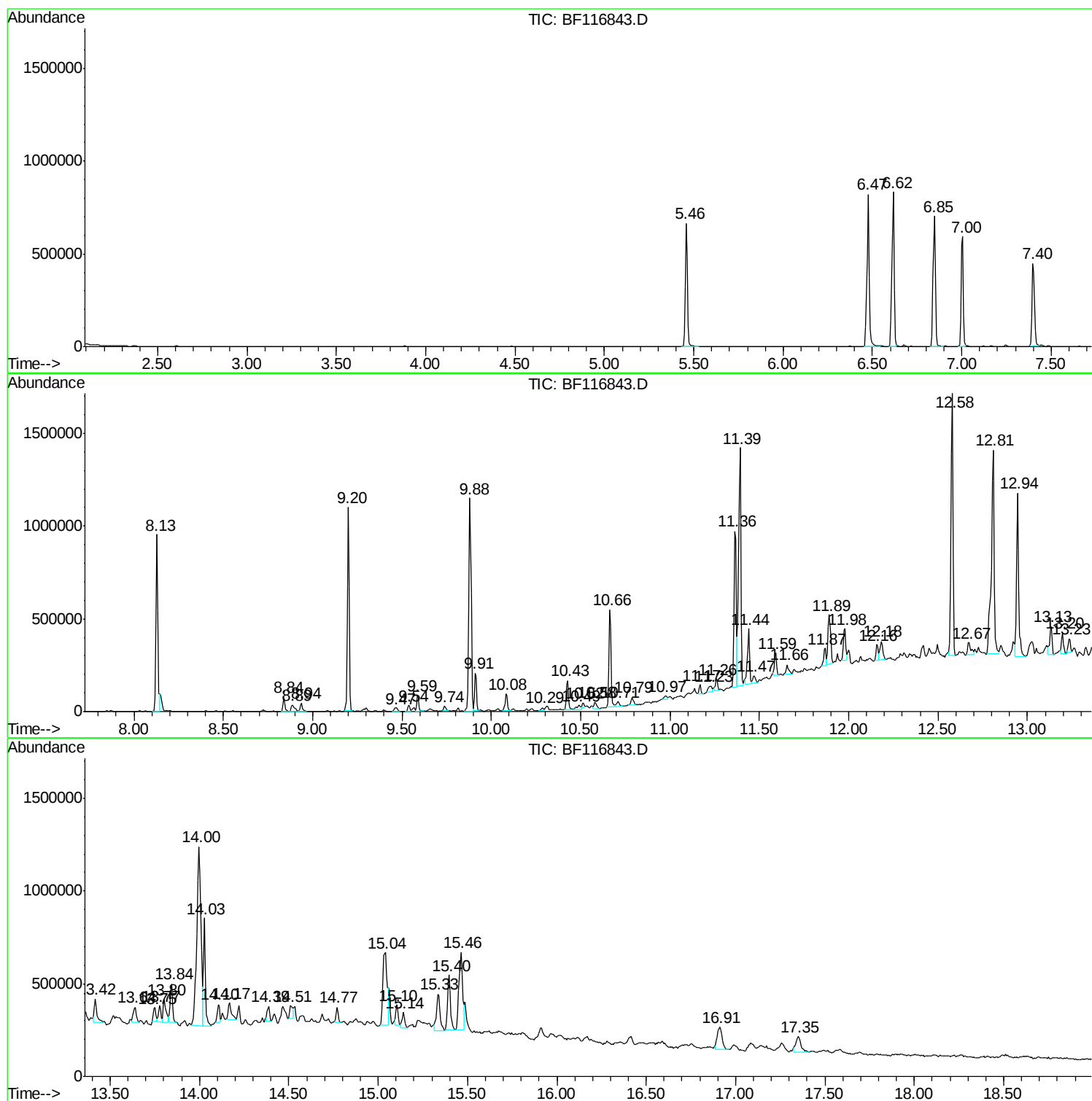
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T3-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.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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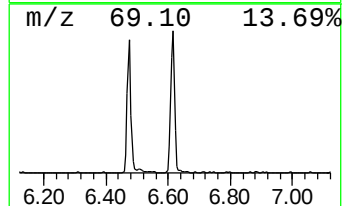
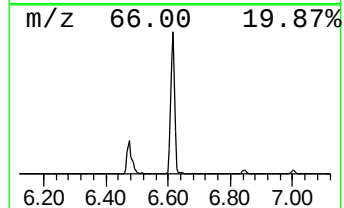
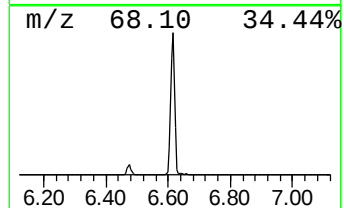
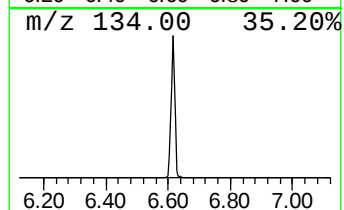
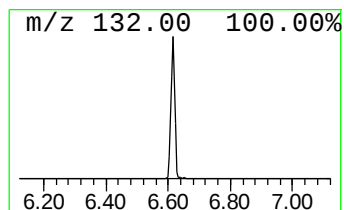
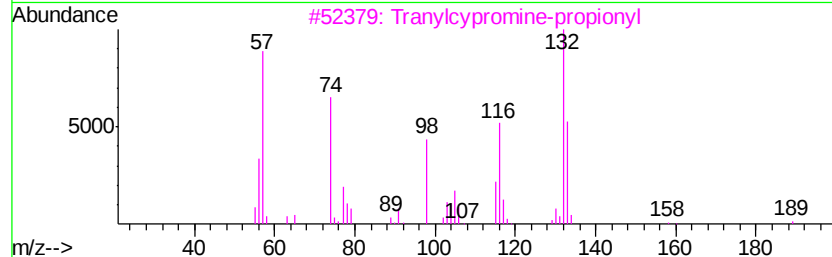
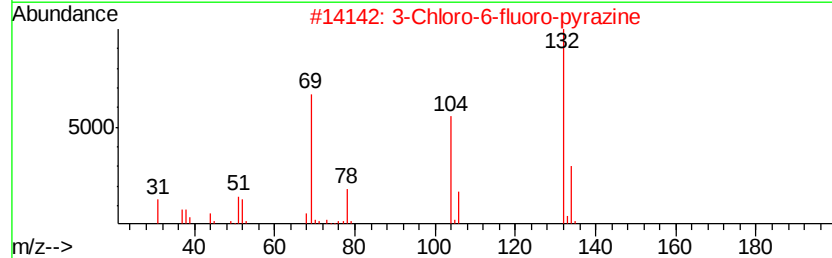
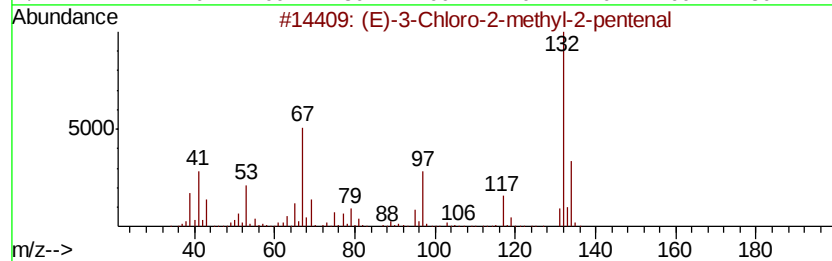
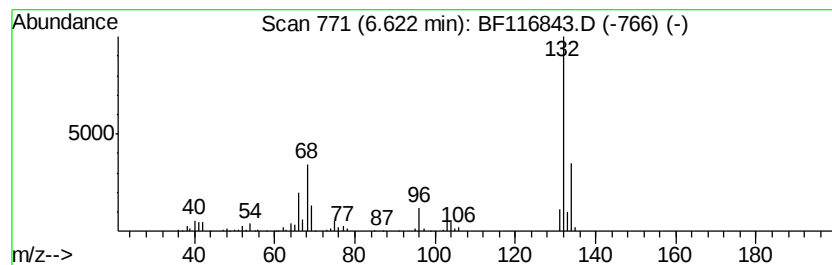
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	24.72 ng	687180	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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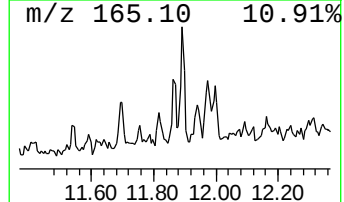
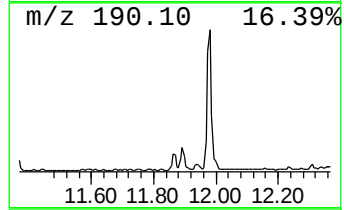
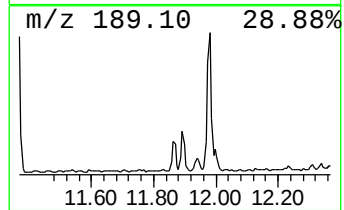
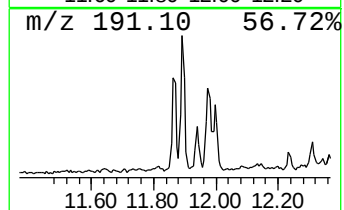
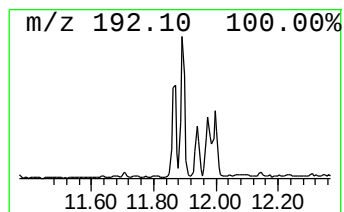
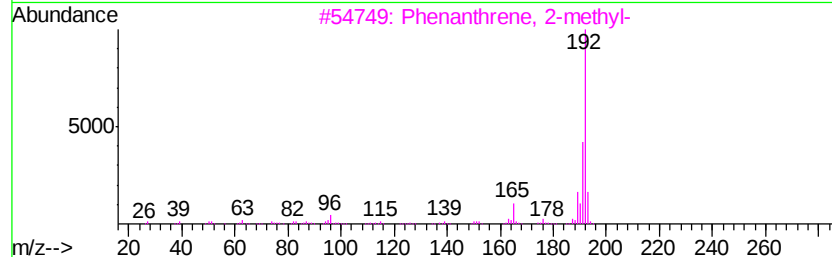
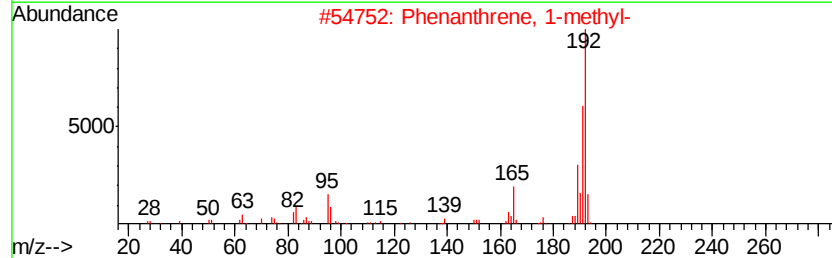
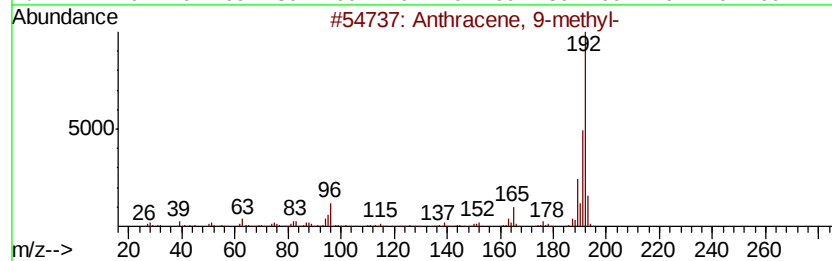
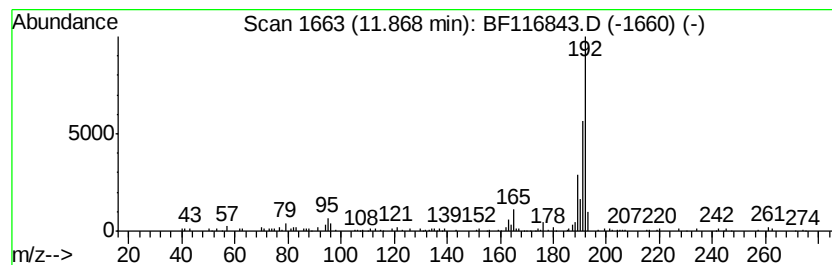
Instrument :
BNA_F
ClientSampleId :
T3-1-4-(0-1.5)

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

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.87	2.09 ng	85589	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64



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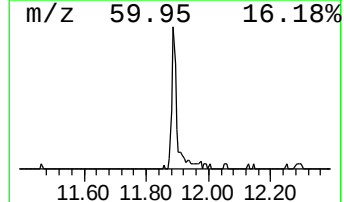
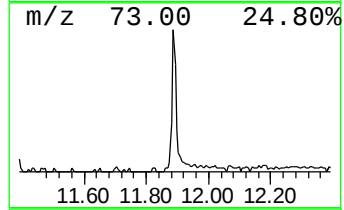
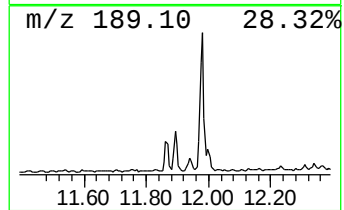
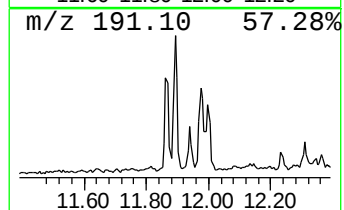
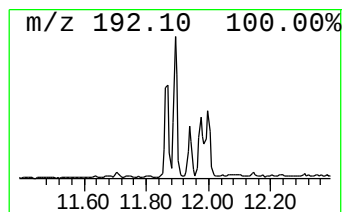
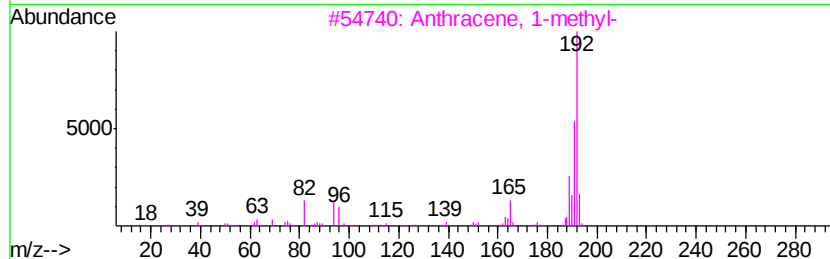
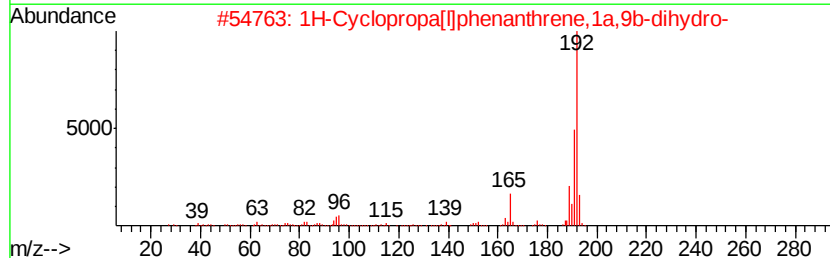
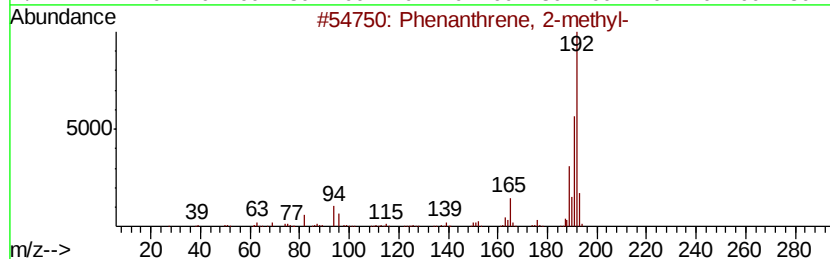
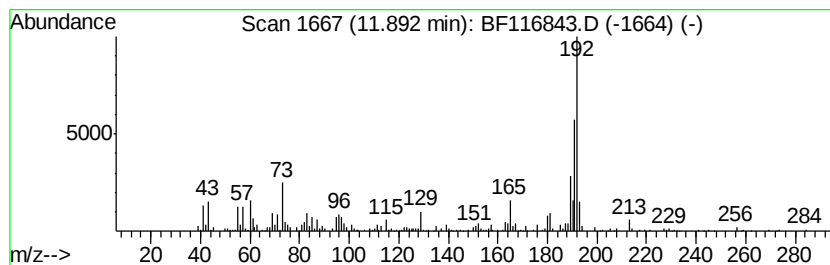
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	5.89 ng	241896	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



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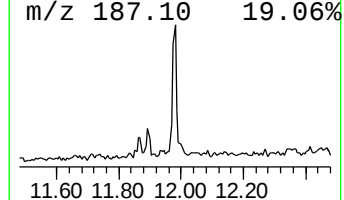
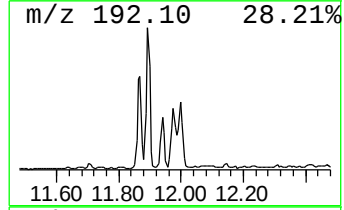
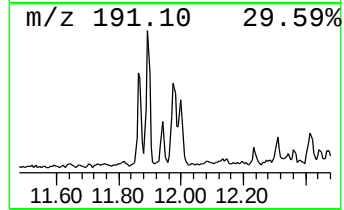
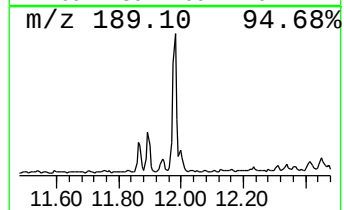
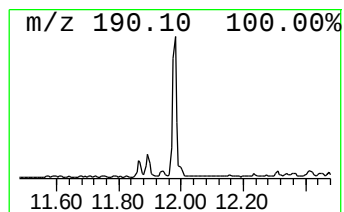
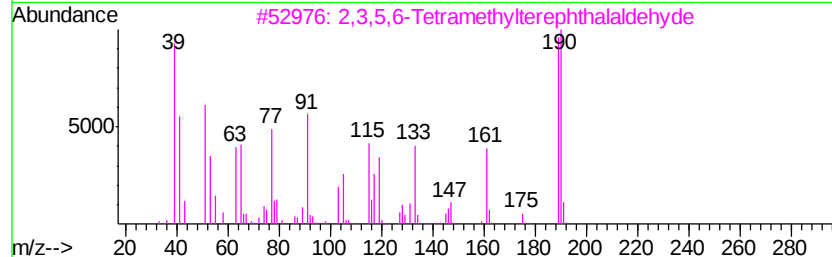
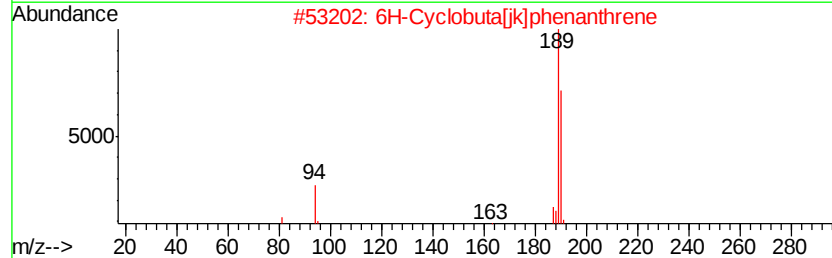
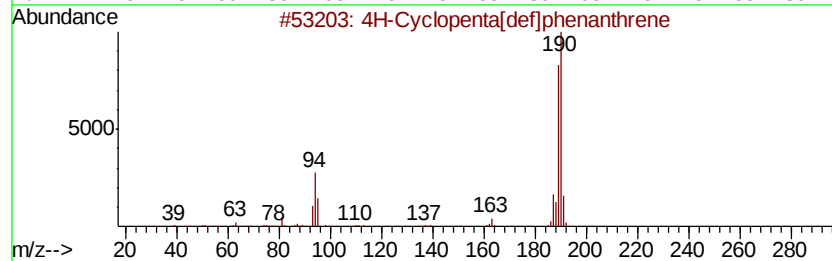
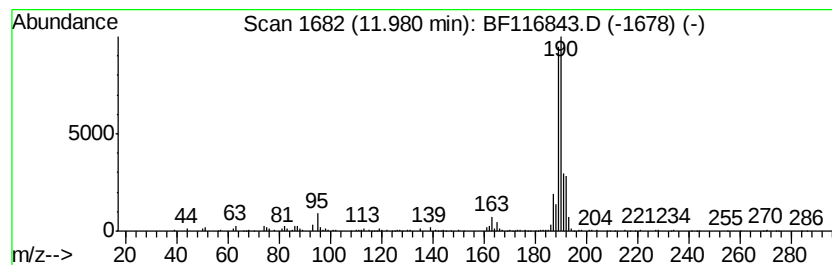
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Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.98	4.38 ng	179776	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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Acq On : 5 Sep 2019 17:34
Operator : HP/JU
Sample : K4680-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

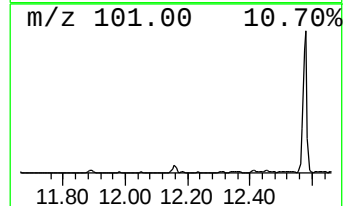
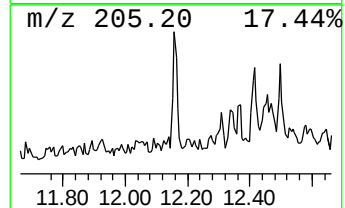
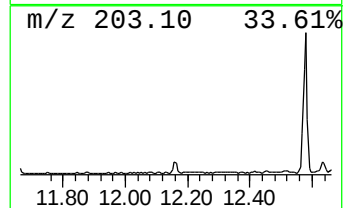
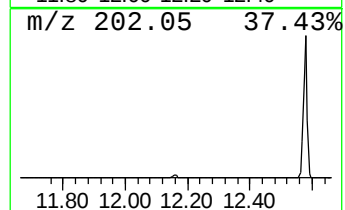
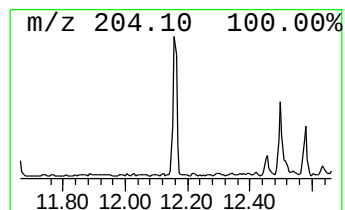
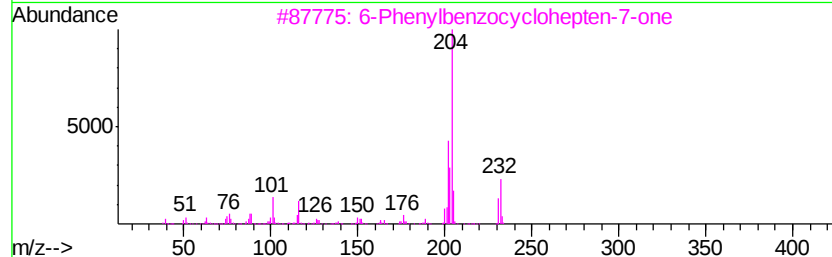
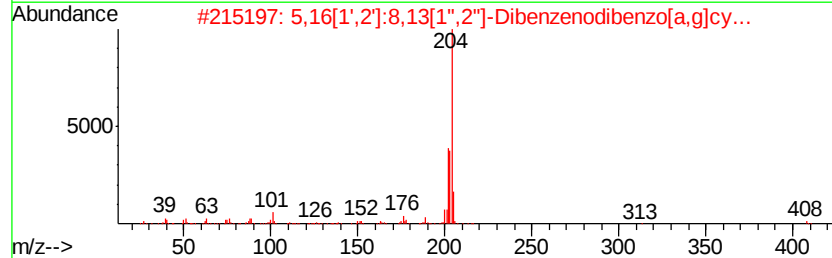
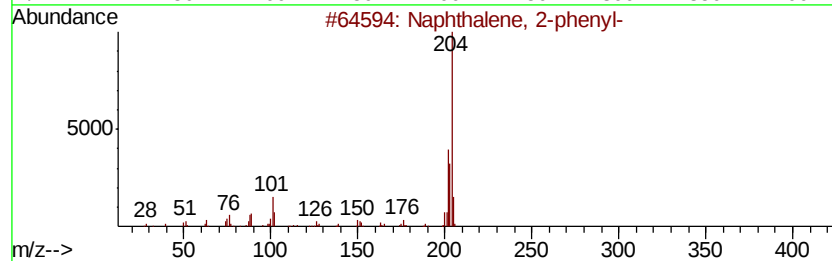
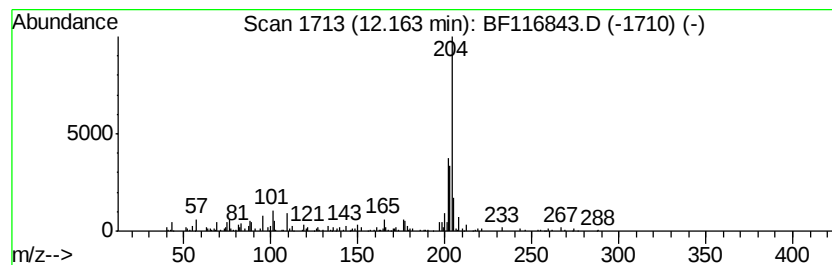
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T3-1-4-(0-1.5)

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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 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.16	2.03 ng	83231	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116843.D
Acq On : 5 Sep 2019 17:34
Operator : HP/JU
Sample : K4680-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T3-1-4-(0-1.5)

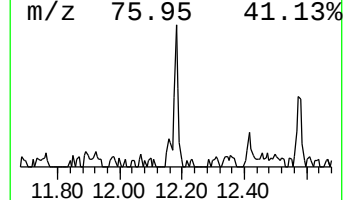
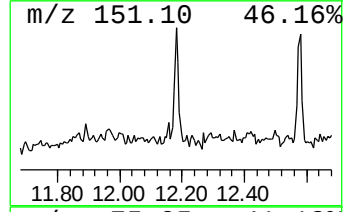
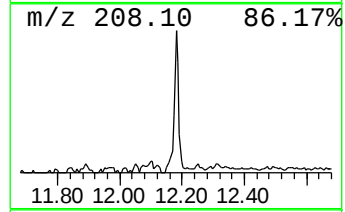
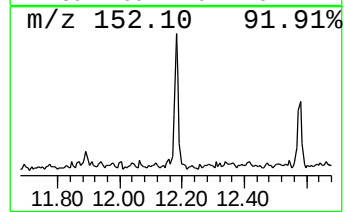
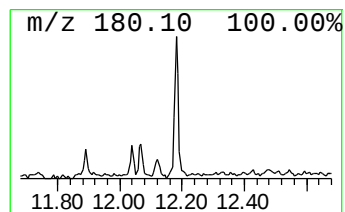
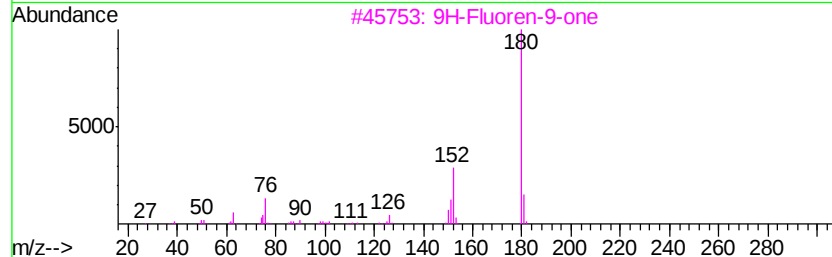
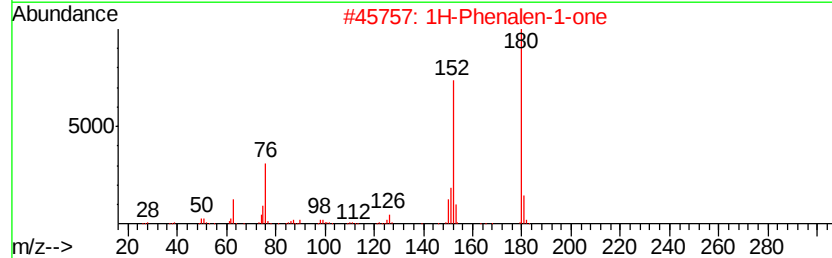
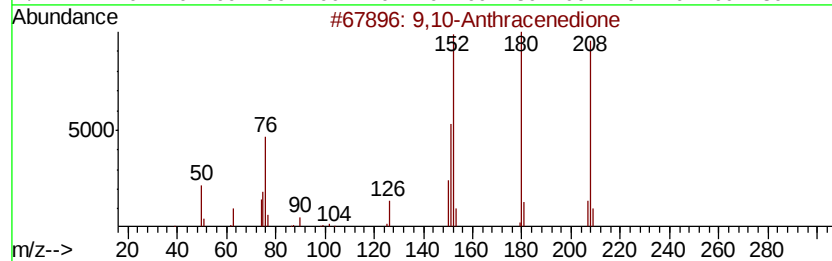
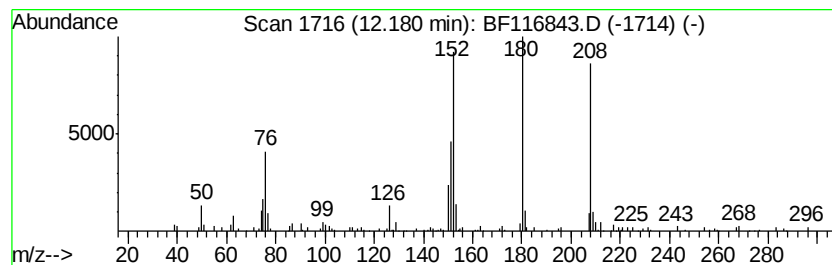
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.39 ng	97957	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
5		Acenaphthylene	152	C12H8	000208-96-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116843.D
Acq On : 5 Sep 2019 17:34
Operator : HP/JU
Sample : K4680-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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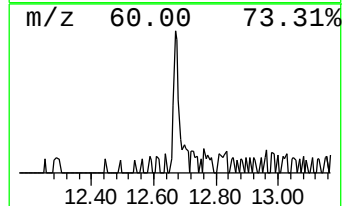
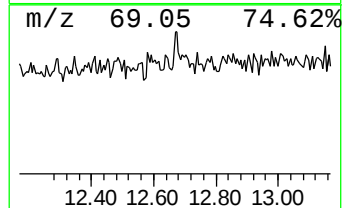
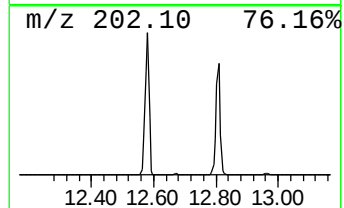
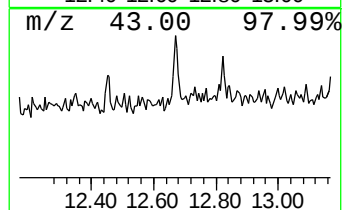
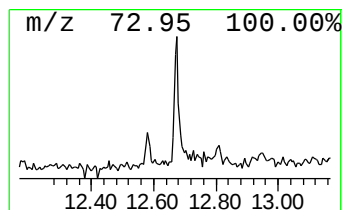
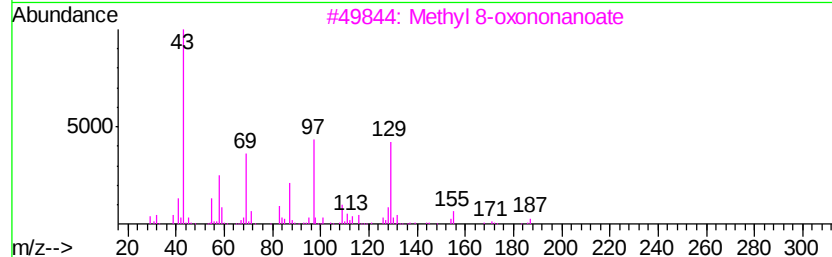
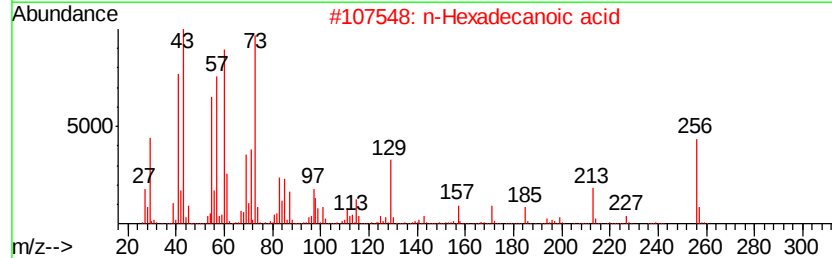
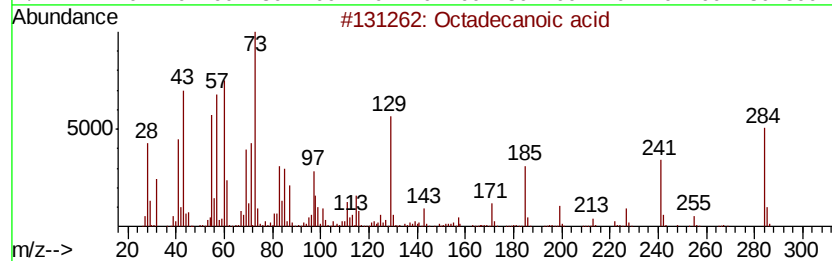
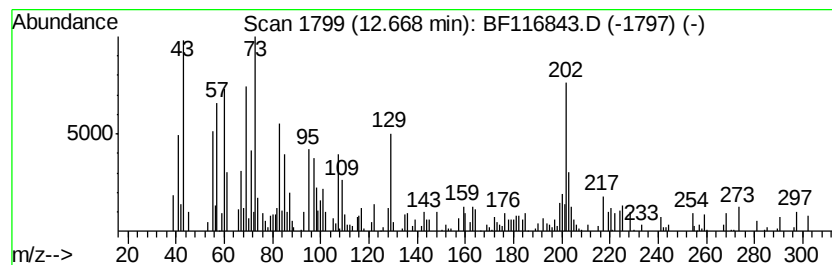
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.28 ng	93661	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	70
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	38
3		Methyl 8-oxononanoate	186	C10H18O3	034455-70-4	14
4		n-Decanoic acid	172	C10H20O2	000334-48-5	11
5		12-Bromododecanoic acid	278	C12H23BrO2	073367-80-3	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116843.D
Acq On : 5 Sep 2019 17:34
Operator : HP/JU
Sample : K4680-11 2X
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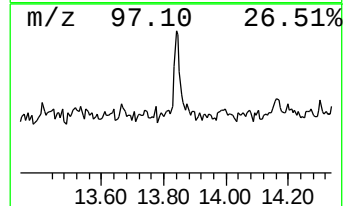
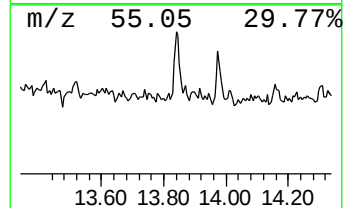
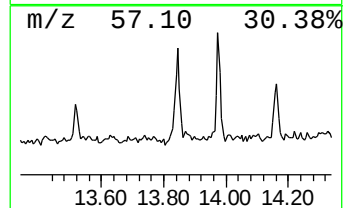
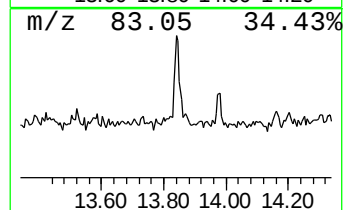
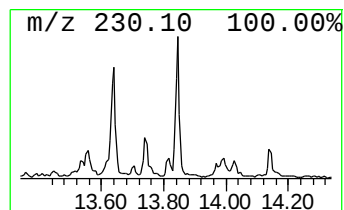
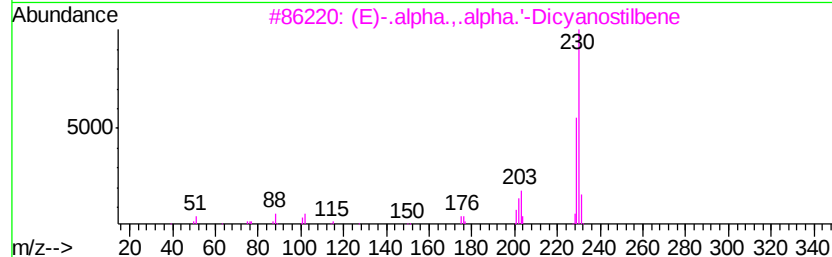
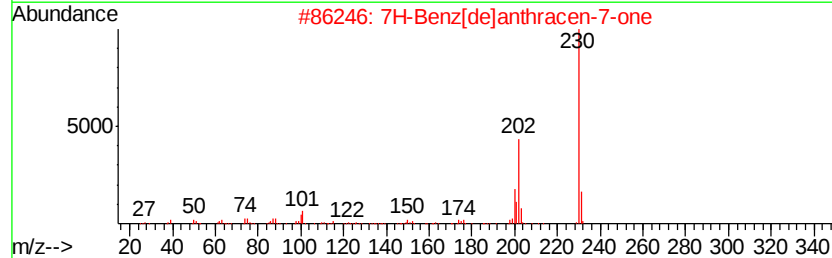
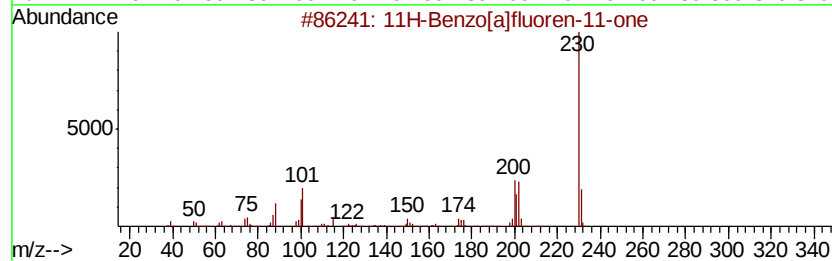
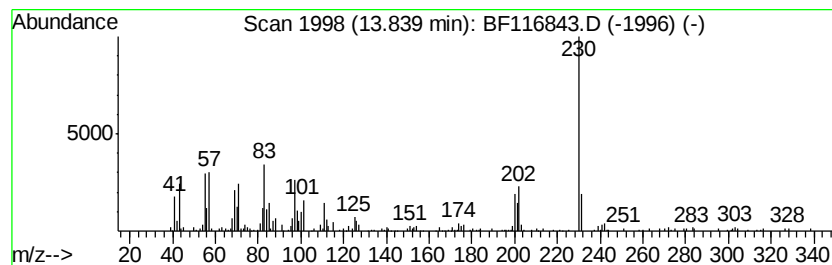
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.67 ng	205648	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	89
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3		(E)-.alpha.,.alpha.'-Dicvanostil...	230	C16H10N2	002450-55-7	50
4		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	49
5		5-Nitro-2,3-dimethyl-1,7-trimeth...	230	C13H14N2O2	003480-19-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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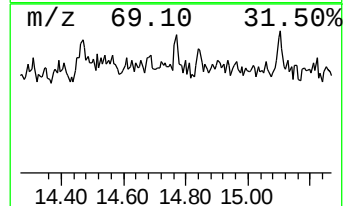
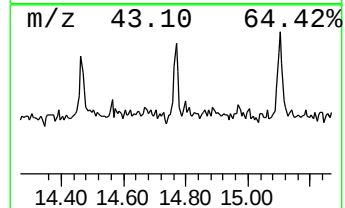
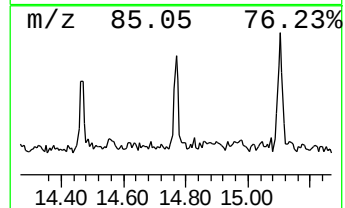
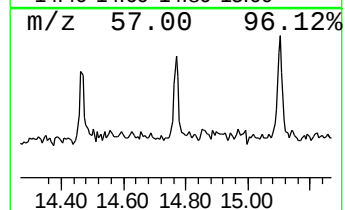
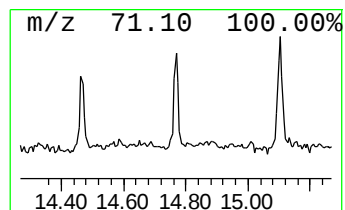
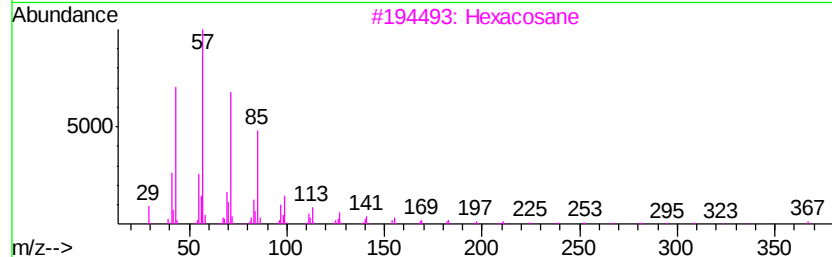
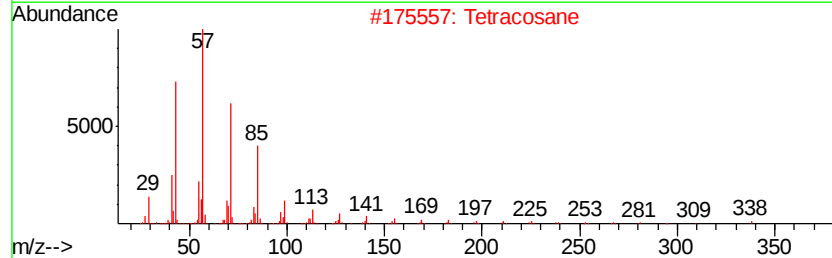
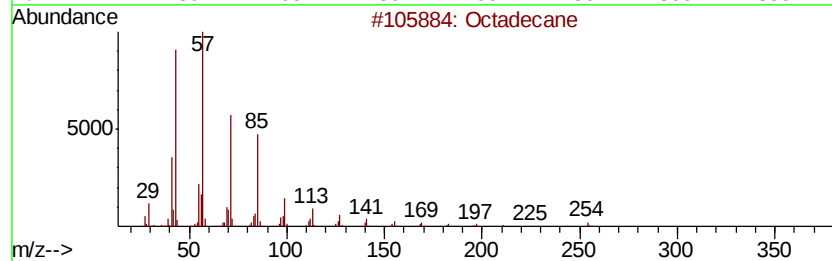
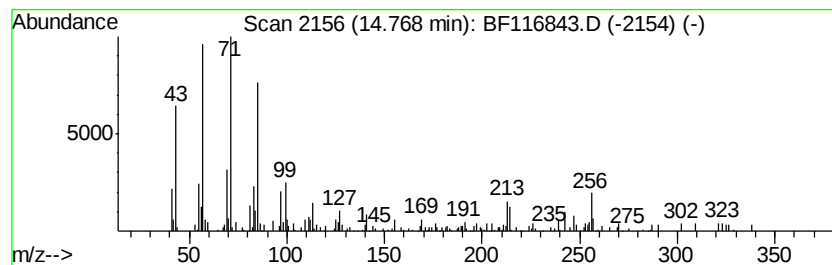
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.46 ng	72623	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octadecane	254 C18H38	000593-45-3 86
2		Tetracosane	338 C24H50	000646-31-1 76
3		Hexacosane	366 C26H54	000630-01-3 74
4		Tetratetracontane	619 C44H90	007098-22-8 72
5		Heneicosane, 11-(1-ethylpropyl)-	366 C26H54	055282-11-6 72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116843.D
Acq On : 5 Sep 2019 17:34
Operator : HP/JU
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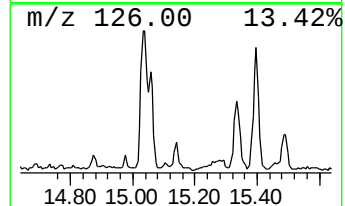
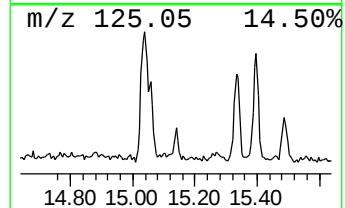
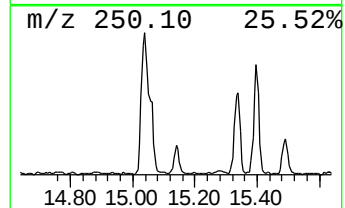
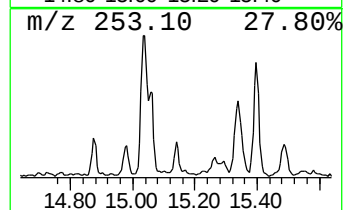
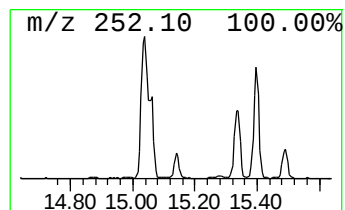
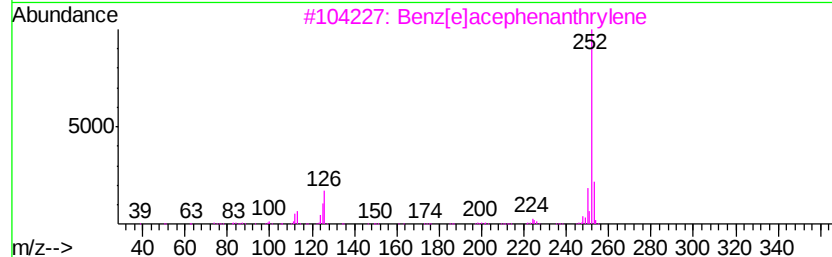
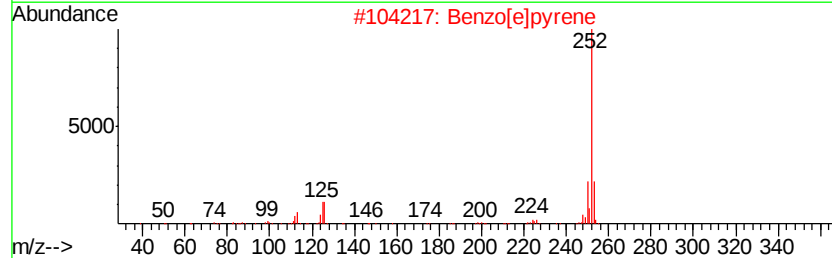
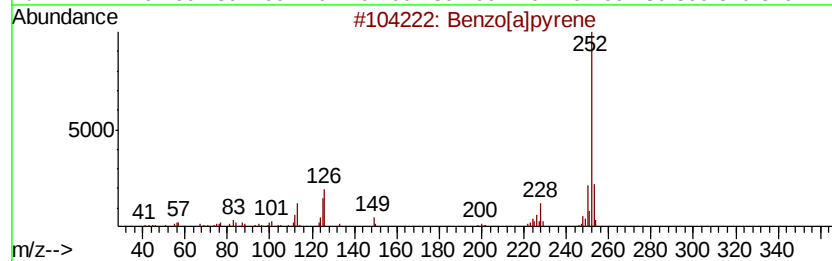
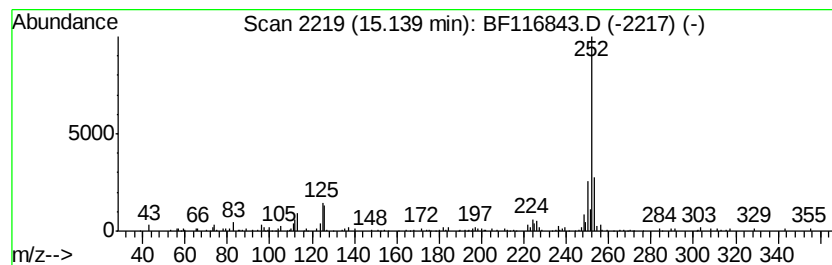
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.61 ng	77237	Perylene-d12	15.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	91
2			Benzo[e]pyrene	252	C20H12	000192-97-2	91
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090519\
 Data File : BF116843.D
 Acq On : 5 Sep 2019 17:34
 Operator : HP/JU
 Sample : K4680-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-1-4-(0-1.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
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Anthracene, 9-met...	11.87	2.1	ng	85589	4	11.36	820705	20.0
Phenanthrene, 2-m...	11.89	5.9	ng	241896	4	11.36	820705	20.0
4H-Cyclopenta[def...	11.98	4.4	ng	179776	4	11.36	820705	20.0
Naphthalene, 2-ph...	12.16	2.0	ng	83231	4	11.36	820705	20.0
9,10-Anthracenedione	12.18	2.4	ng	97957	4	11.36	820705	20.0
Octadecanoic acid	12.67	2.3	ng	93661	4	11.36	820705	20.0
11H-Benzo[a]fluor...	13.84	2.7	ng	205648	5	14.00	1541790	20.0
Tetracosane	14.77	2.5	ng	72623	6	15.46	590876	20.0
Benzo[e]pyrene	15.14	2.6	ng	77237	6	15.46	590876	20.0