

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092519\
 Data File : BF117254.D
 Acq On : 25 Sep 2019 21:31
 Operator : JU
 Sample : K4657-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-092419

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-BF091319.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	5.034	498	501	508	rVB	7327	9692	1.24%	0.112%
2	5.446	567	571	582	rBV	635831	673448	86.22%	7.763%
3	6.457	739	743	761	rBV	733594	746009	95.51%	8.600%
4	6.587	761	765	774	rVB	878793	780755	99.96%	9.000%
5	6.816	800	804	812	rBV	222160	201214	25.76%	2.319%
6	6.969	826	830	846	rBV	695282	608668	77.93%	7.016%
7	7.375	895	899	922	rBV	419680	453497	58.06%	5.228%
8	8.098	1018	1022	1040	rBV	197471	240427	30.78%	2.771%
9	8.910	1157	1160	1167	rBB	9123	9211	1.18%	0.106%
10	9.169	1200	1204	1216	rBV	872858	781045	100.00%	9.003%
11	9.510	1258	1262	1265	rBV	10852	11415	1.46%	0.132%
12	9.563	1268	1271	1279	rVB	56215	58571	7.50%	0.675%
13	9.710	1293	1296	1303	rBV	21459	20917	2.68%	0.241%
14	9.845	1316	1319	1324	rBV	250504	228923	29.31%	2.639%
15	10.398	1410	1413	1420	rVB2	8525	10550	1.35%	0.122%
16	10.639	1450	1454	1465	rBV	302561	322174	41.25%	3.714%
17	11.233	1552	1555	1561	rVB	14953	14589	1.87%	0.168%
18	11.333	1568	1572	1574	rBV	212908	190605	24.40%	2.197%
19	11.357	1574	1576	1583	rVV	174470	159962	20.48%	1.844%
20	11.416	1583	1586	1590	rVV	16475	17760	2.27%	0.205%
21	11.627	1618	1622	1624	rBV3	9301	8777	1.12%	0.101%
22	11.669	1626	1629	1634	rVV	15655	14548	1.86%	0.168%
23	11.751	1639	1643	1647	rVB2	9380	13201	1.69%	0.152%
24	11.792	1647	1650	1654	rBV4	5156	8455	1.08%	0.097%
25	11.833	1654	1657	1659	rBV	40784	38244	4.90%	0.441%
26	11.863	1659	1662	1668	rVB2	75439	87608	11.22%	1.010%
27	11.945	1673	1676	1679	rVV2	48983	58265	7.46%	0.672%
28	11.969	1679	1680	1687	rVB	29717	25121	3.22%	0.290%
29	12.127	1703	1707	1711	rBV	25148	26738	3.42%	0.308%
30	12.169	1711	1714	1718	rVB3	18203	20778	2.66%	0.240%
31	12.310	1736	1738	1741	rBV2	10865	9407	1.20%	0.108%
32	12.386	1746	1751	1754	rBV	38151	38587	4.94%	0.445%
33	12.422	1754	1757	1759	rVV3	14588	16798	2.15%	0.194%
34	12.480	1763	1767	1775	rVB5	27448	37905	4.85%	0.437%

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35	12.545	1775	1778	1782	rBV	136466	133665	17.11%	1.541%
36	12.645	1792	1795	1800	rBV2	16546	20786	2.66%	0.240%
37	12.698	1801	1804	1807	rVV3	13175	12711	1.63%	0.147%
38	12.774	1812	1817	1824	rBV	203242	220643	28.25%	2.543%
39	12.827	1824	1826	1830	rVB2	12505	15452	1.98%	0.178%
40	12.916	1837	1841	1844	rBV	698473	607462	77.78%	7.002%
41	12.998	1851	1855	1860	rBV2	18673	31569	4.04%	0.364%
42	13.051	1862	1864	1867	rBV2	9437	8578	1.10%	0.099%
43	13.086	1867	1870	1871	rBV3	17001	19928	2.55%	0.230%
44	13.104	1871	1873	1876	rVB2	24678	24444	3.13%	0.282%
45	13.169	1882	1884	1888	rVB	14301	11346	1.45%	0.131%
46	13.210	1888	1891	1897	rVB2	27208	28804	3.69%	0.332%
47	13.298	1904	1906	1909	rBV	23070	22479	2.88%	0.259%
48	13.333	1909	1912	1915	rVV	20941	19761	2.53%	0.228%
49	13.480	1932	1937	1939	rBV6	11141	14219	1.82%	0.164%
50	13.621	1958	1961	1964	rVB	13705	14673	1.88%	0.169%
51	13.727	1976	1979	1981	rBV	32562	32946	4.22%	0.380%
52	13.751	1981	1983	1986	rVV2	18832	19638	2.51%	0.226%
53	13.810	1990	1993	2004	rVB5	69815	140978	18.05%	1.625%
54	13.974	2017	2021	2024	rBV2	234741	291816	37.36%	3.364%
55	13.998	2024	2025	2030	rVB	85563	69826	8.94%	0.805%
56	14.063	2033	2036	2038	rBV4	11219	10564	1.35%	0.122%
57	14.127	2044	2047	2054	rBV7	20191	40669	5.21%	0.469%
58	14.204	2058	2060	2063	rBV4	10085	8407	1.08%	0.097%
59	14.363	2083	2087	2090	rVB	21573	21663	2.77%	0.250%
60	14.433	2096	2099	2101	rBV3	22391	25007	3.20%	0.288%
61	14.557	2118	2120	2125	rVB6	18398	17728	2.27%	0.204%
62	14.727	2147	2149	2152	rVB2	15877	16579	2.12%	0.191%
63	14.804	2160	2162	2167	rVB	29358	31222	4.00%	0.360%
64	15.010	2194	2197	2203	rBV	51133	90995	11.65%	1.049%
65	15.057	2203	2205	2209	rVB	67393	71127	9.11%	0.820%
66	15.310	2244	2248	2253	rVB	44182	53014	6.79%	0.611%
67	15.374	2255	2259	2263	rBV	57002	72803	9.32%	0.839%
68	15.433	2264	2269	2275	rBV	142166	192660	24.67%	2.221%
69	15.851	2336	2340	2346	rVB	43279	59970	7.68%	0.691%
70	15.927	2348	2353	2361	rVB	21032	50938	6.52%	0.587%
71	16.621	2469	2471	2474	rBV3	7266	10134	1.30%	0.117%

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72	16.892	2512	2517	2526	rVB6	25639	64775	8.29%	0.747%
73	17.333	2587	2592	2597	rVB5	13332	30284	3.88%	0.349%
74	17.445	2605	2611	2621	rVB5	37476	100880	12.92%	1.163%

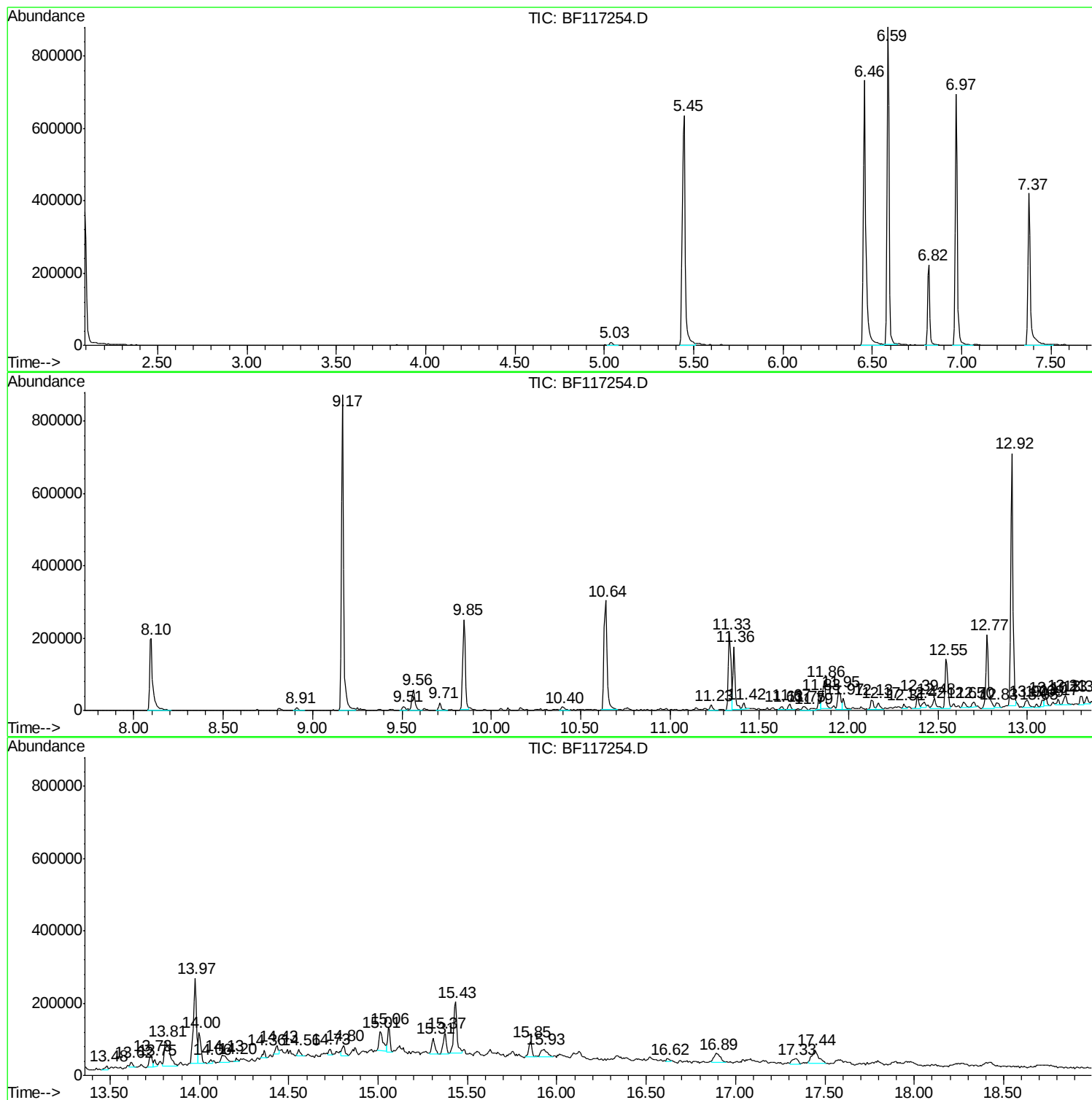
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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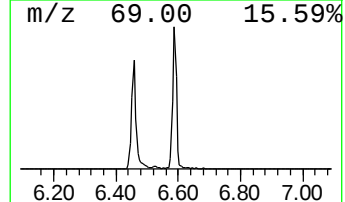
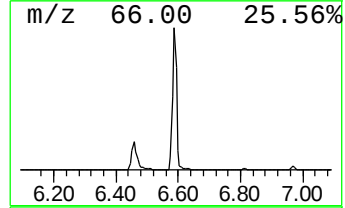
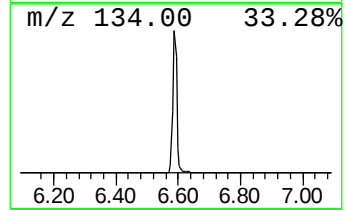
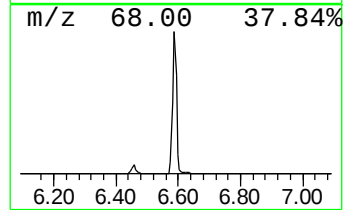
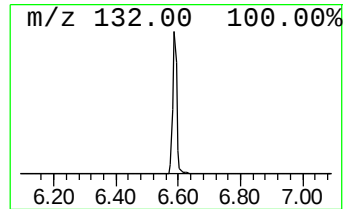
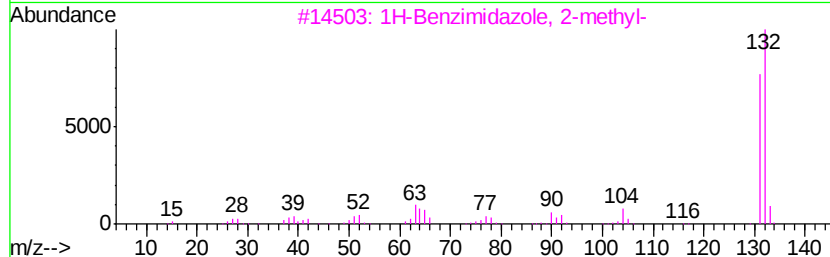
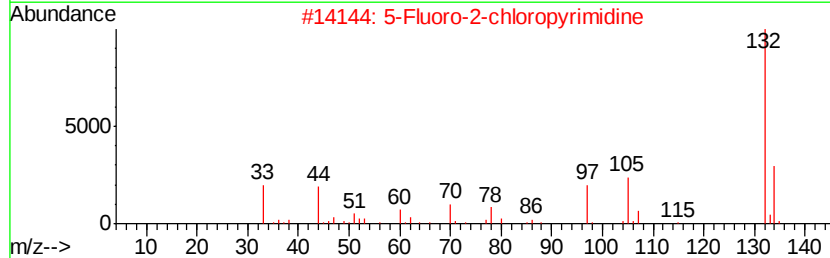
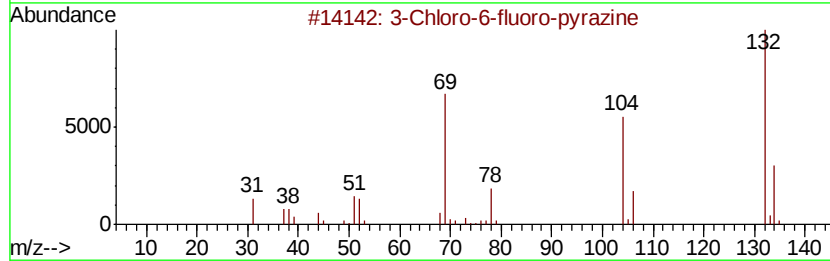
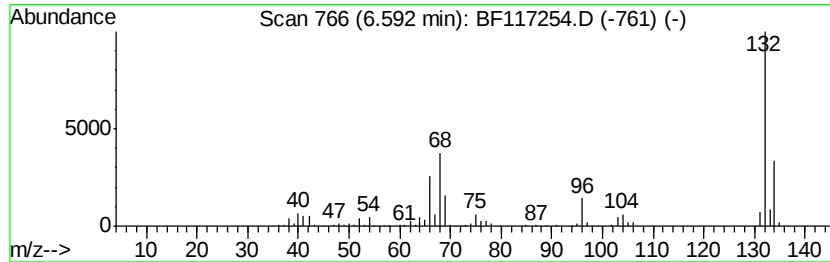
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	77.60 ng	780755	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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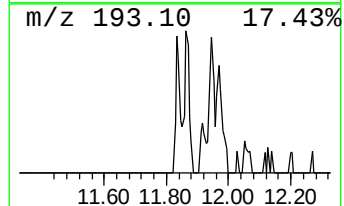
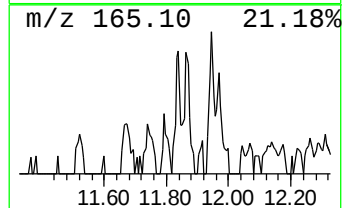
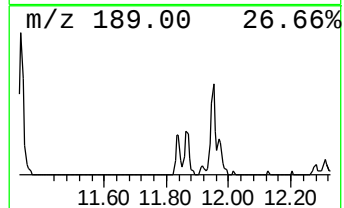
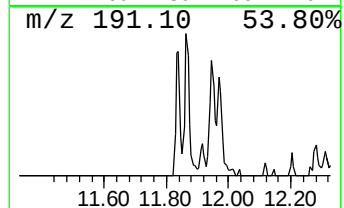
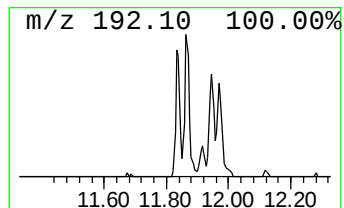
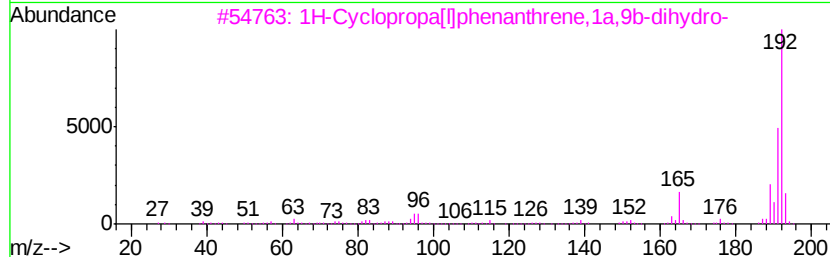
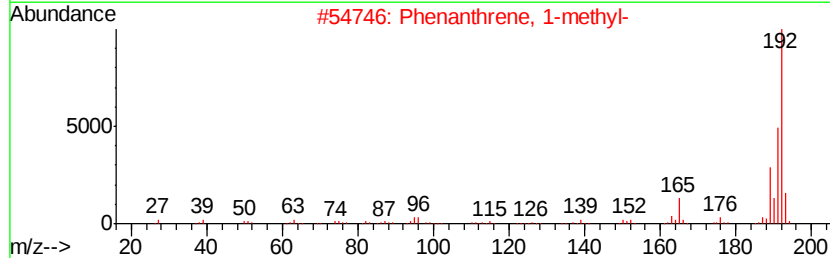
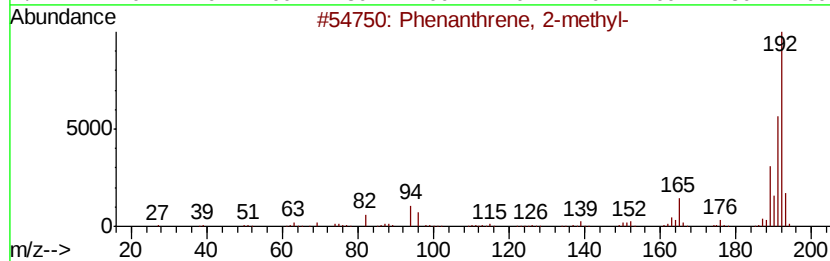
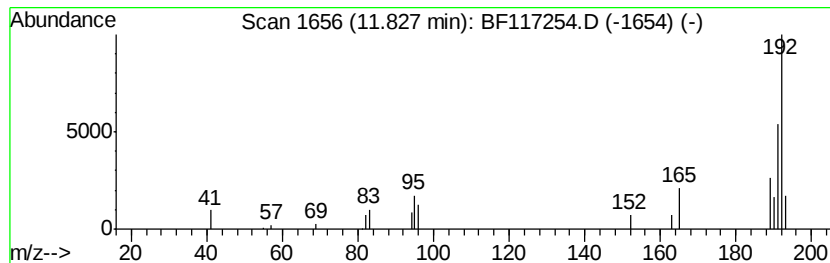
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.01 ng	38244	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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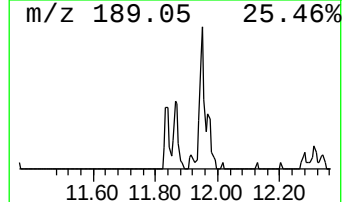
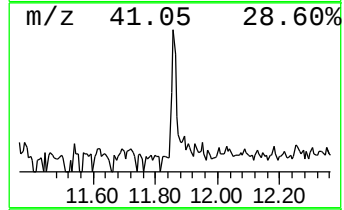
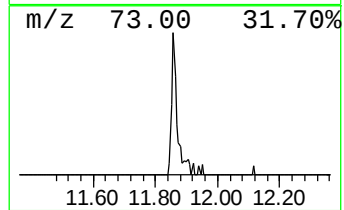
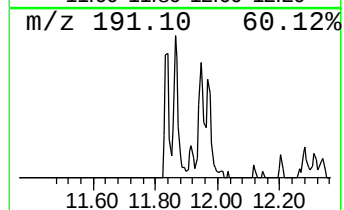
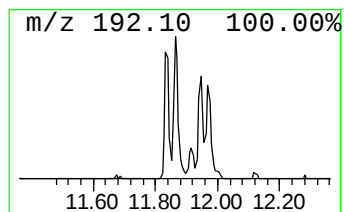
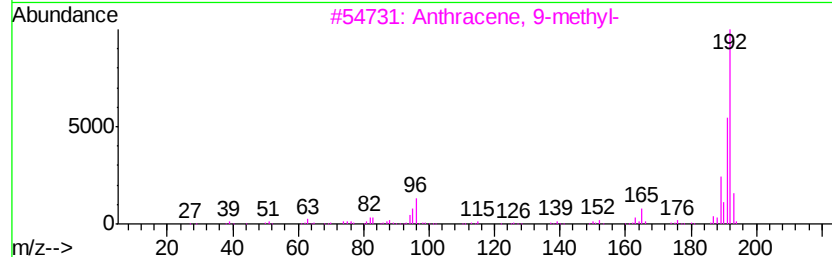
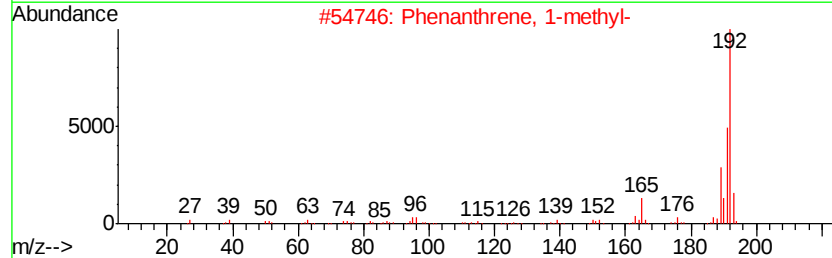
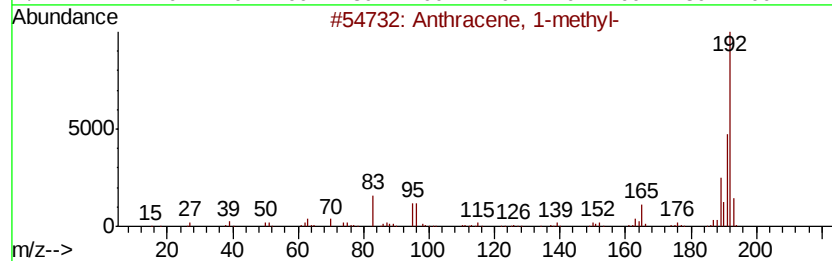
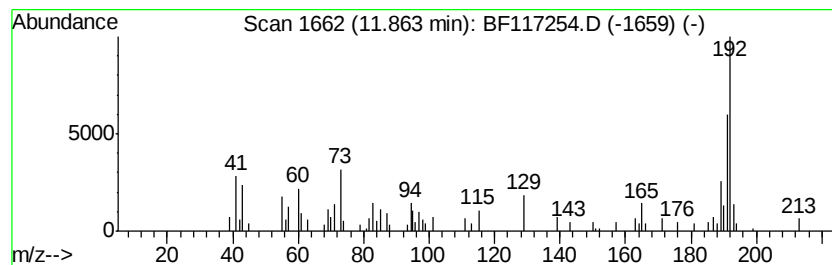
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	9.19 ng	87608	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	76



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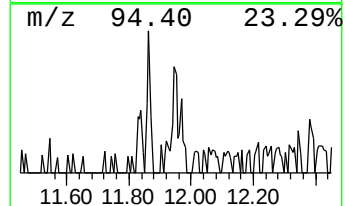
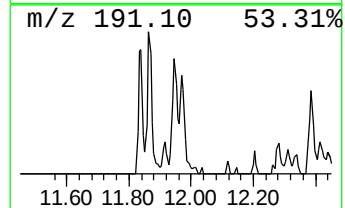
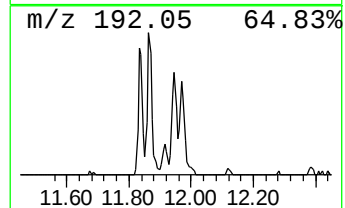
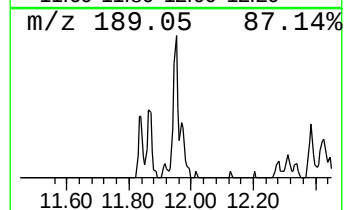
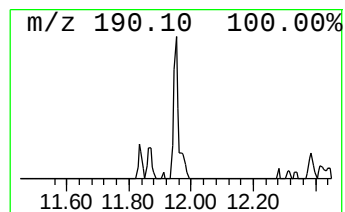
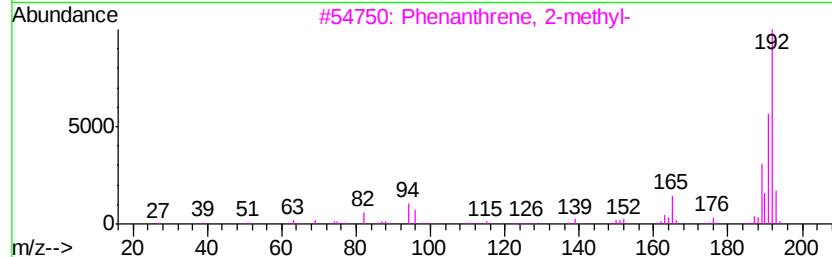
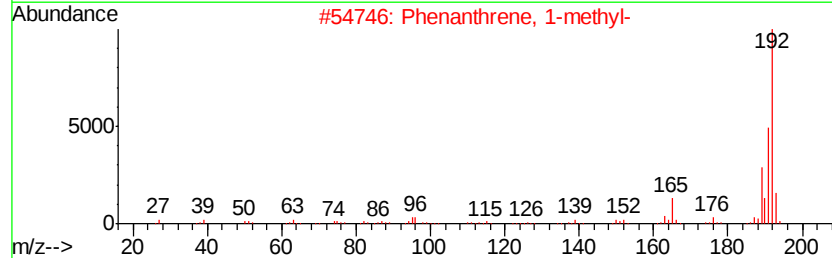
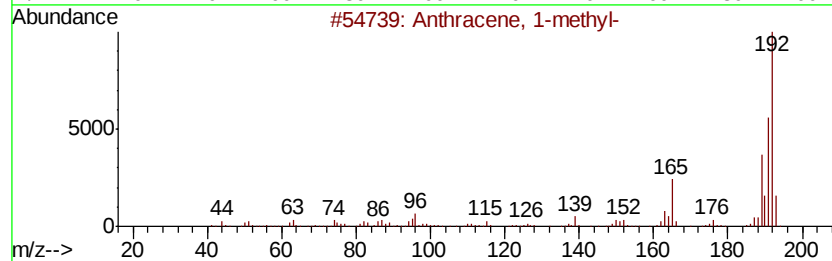
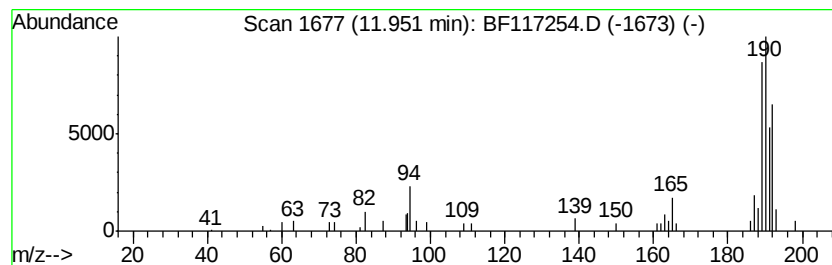
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.95	6.11 ng	58265	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

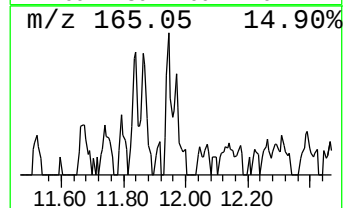
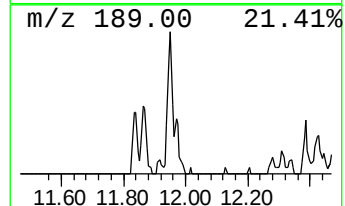
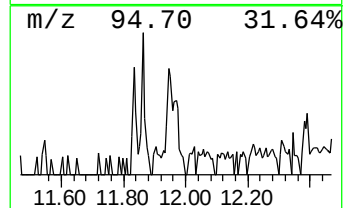
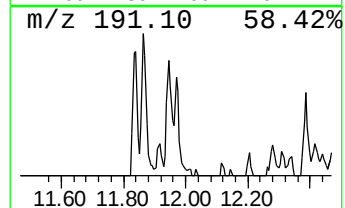
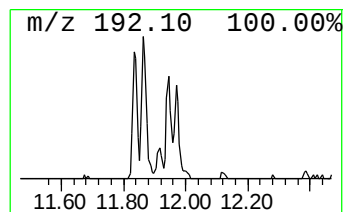
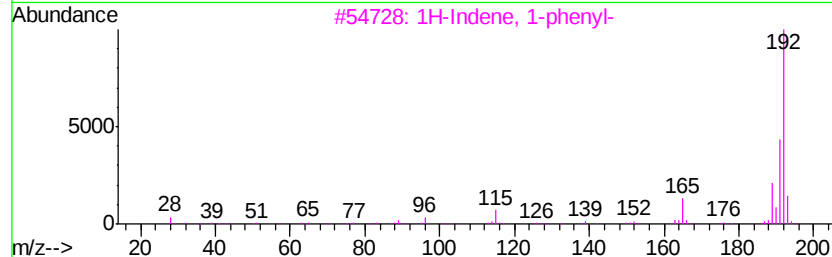
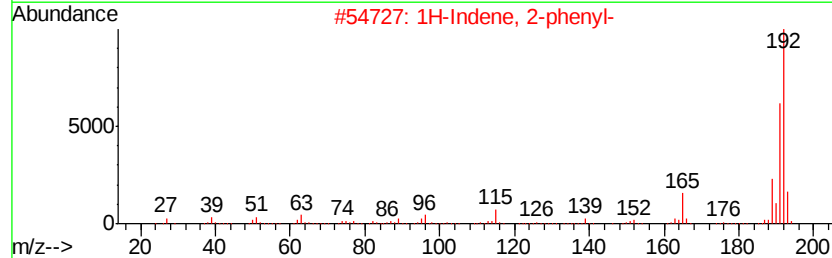
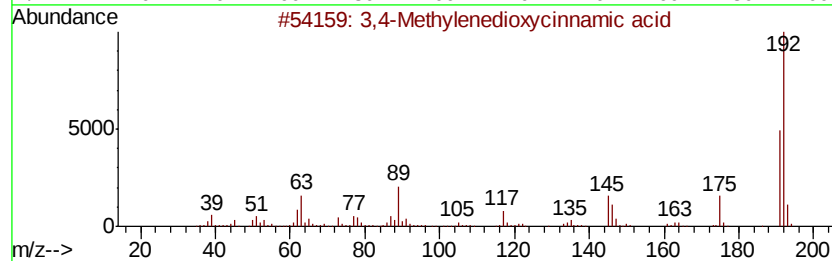
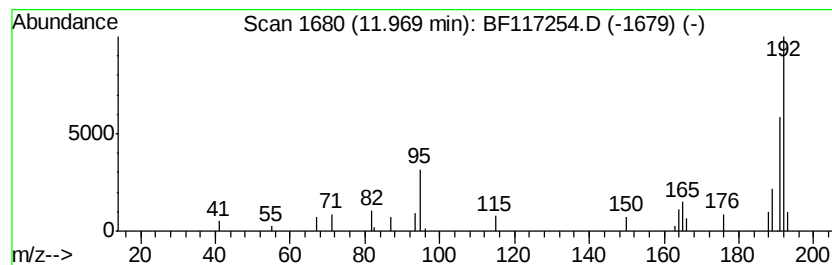
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 3,4-Methylenedioxcinnamic ... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.64 ng	25121	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Methylenedioxcinnamic acid	192	C10H8O4	002373-80-0	50
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	47
4		1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	43
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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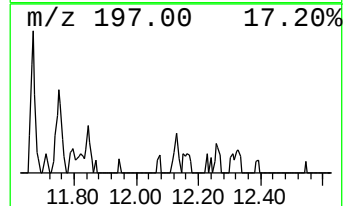
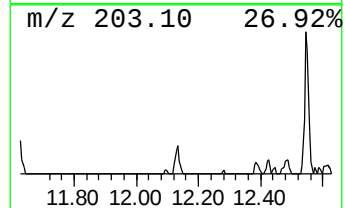
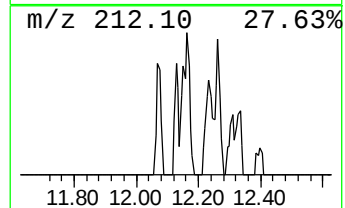
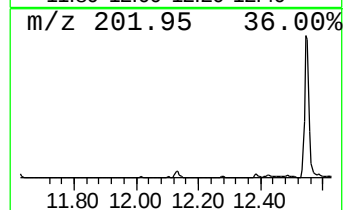
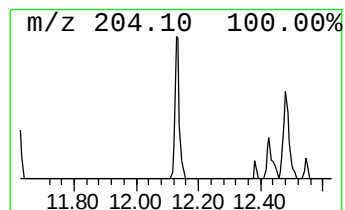
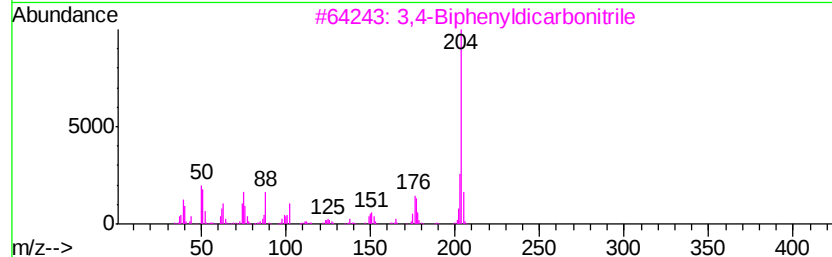
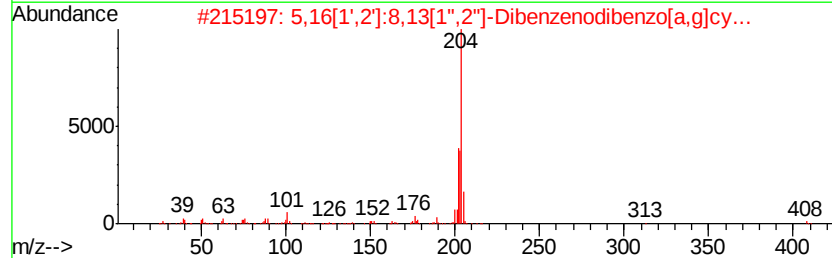
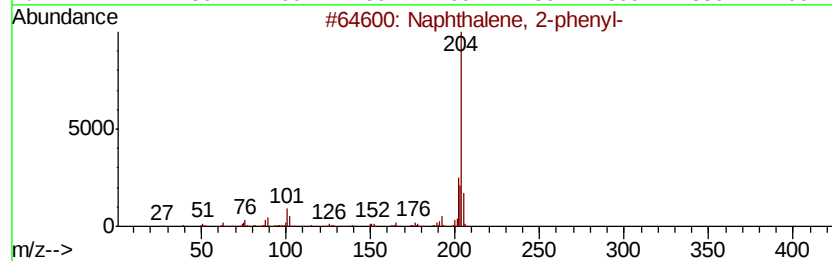
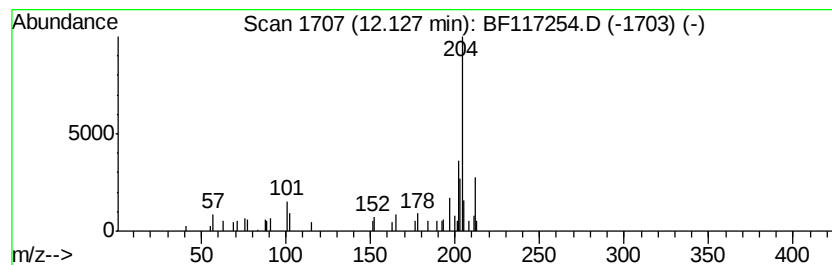
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.81 ng	26738	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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ClientSampleId :
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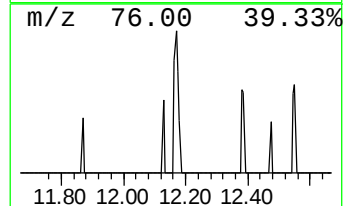
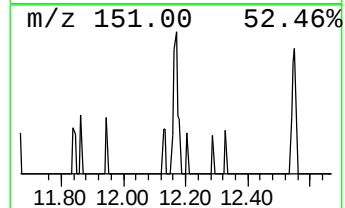
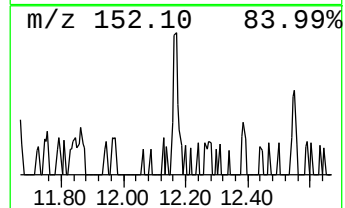
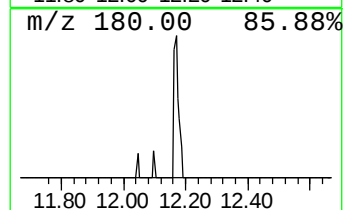
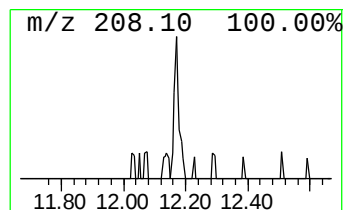
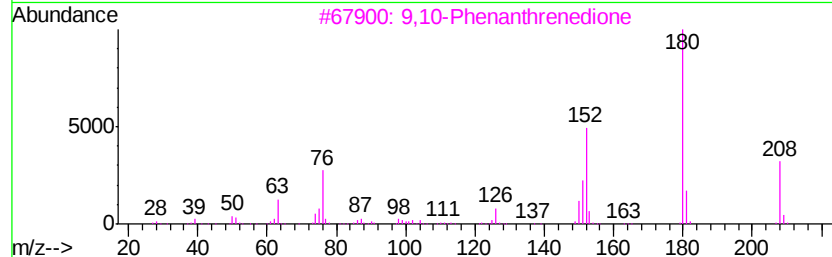
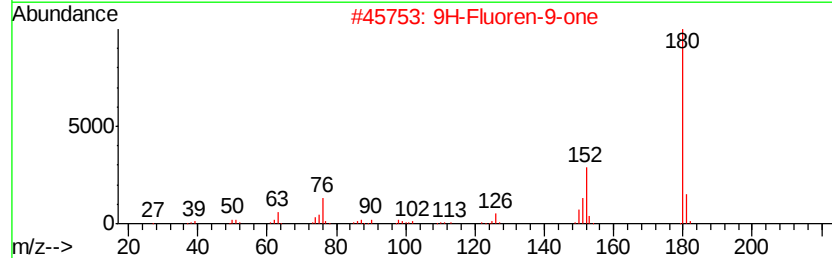
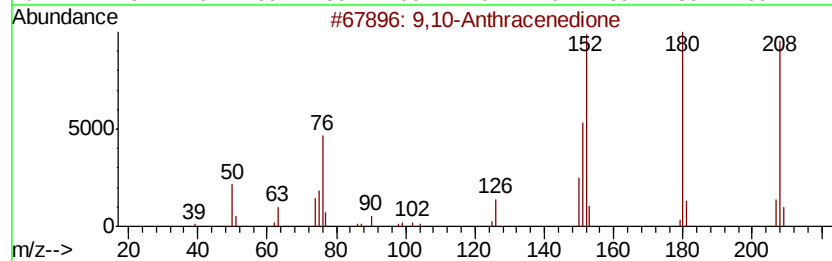
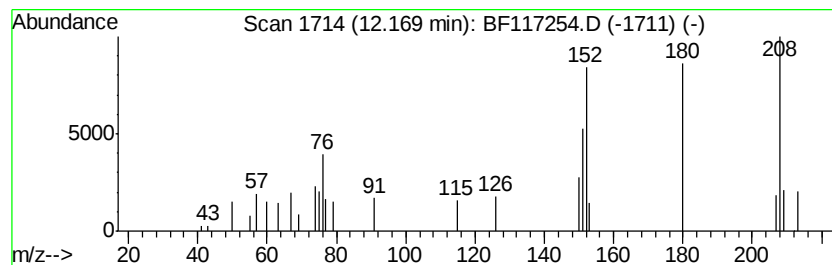
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.18 ng	20778	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	47
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	47
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
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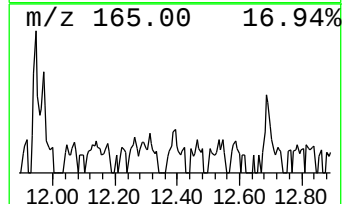
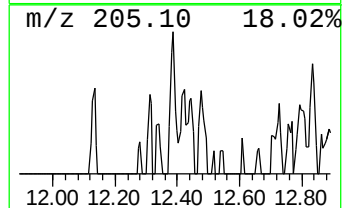
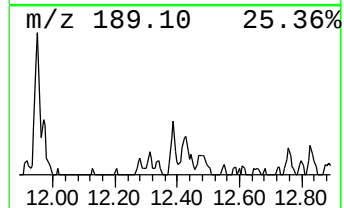
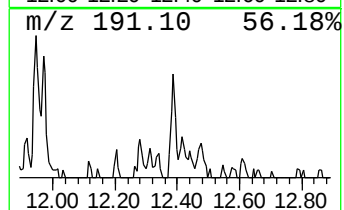
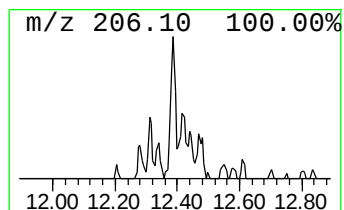
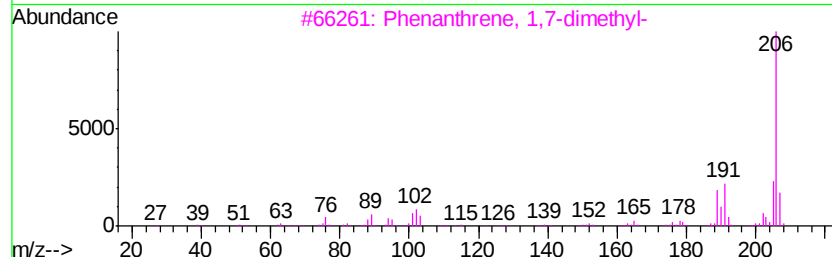
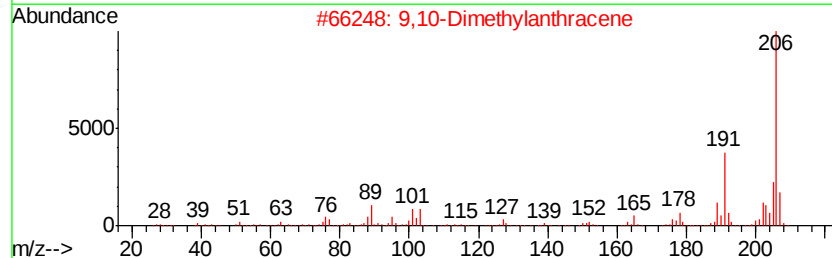
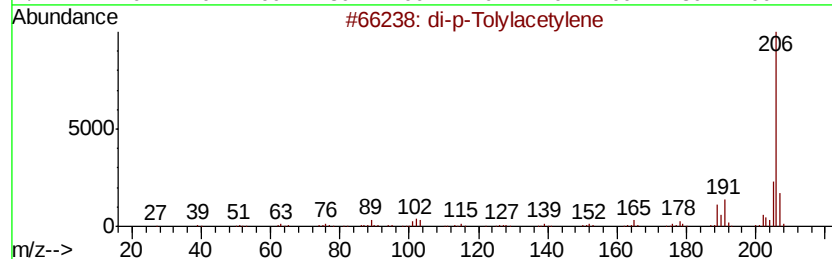
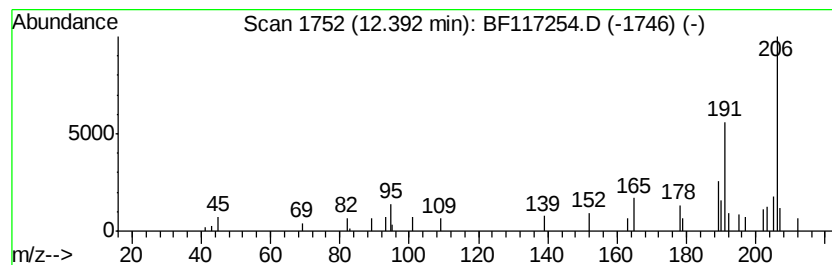
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.05 ng	38587	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
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Misc :
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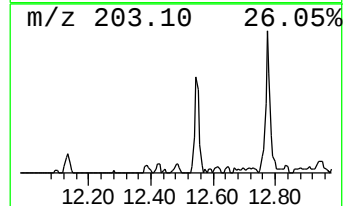
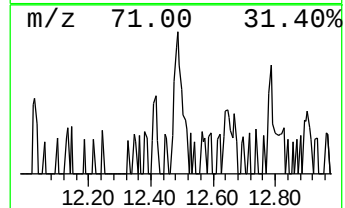
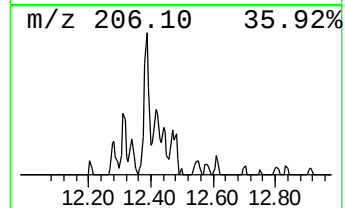
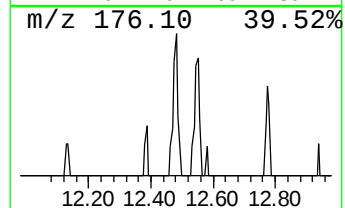
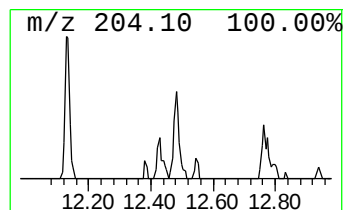
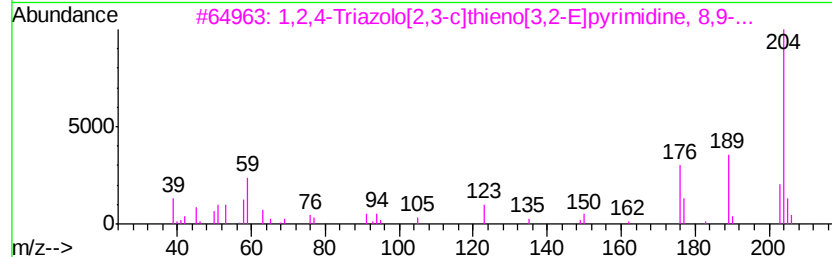
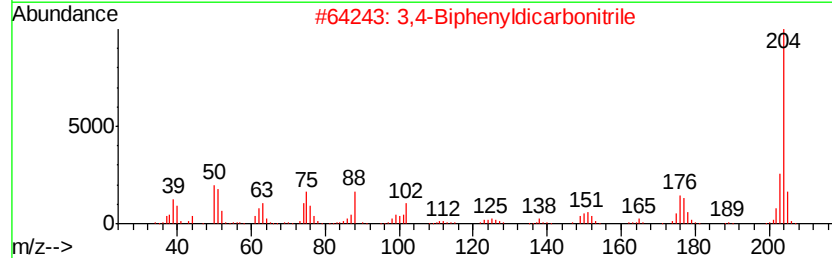
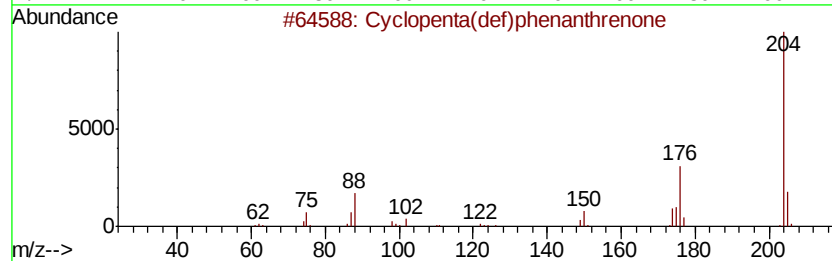
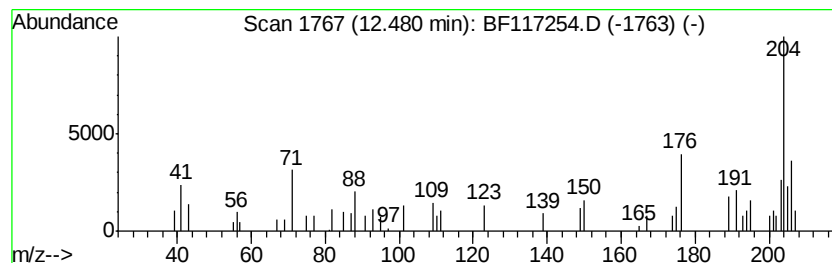
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.98 ng	37905	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	47
4		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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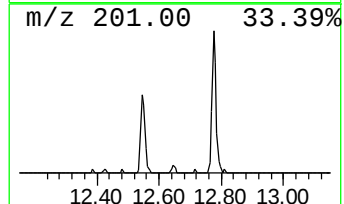
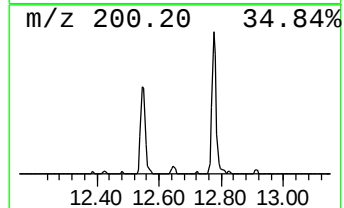
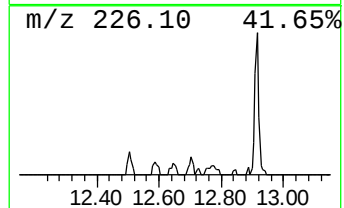
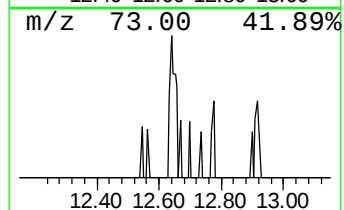
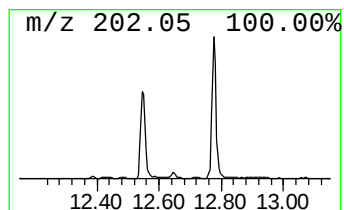
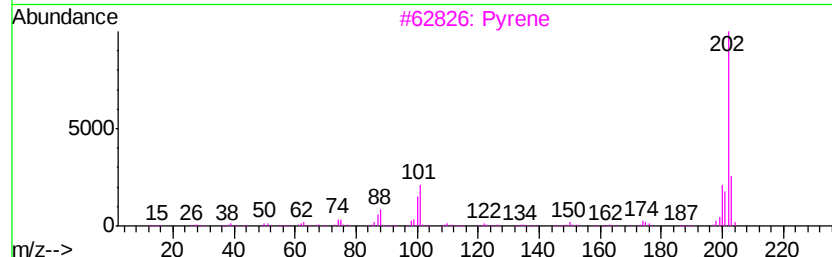
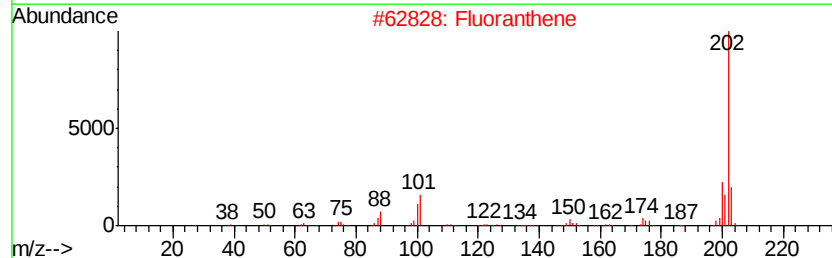
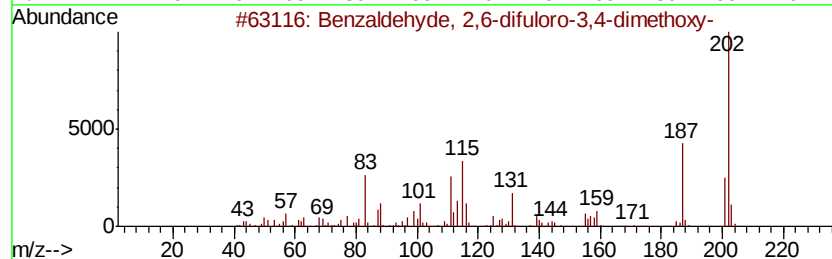
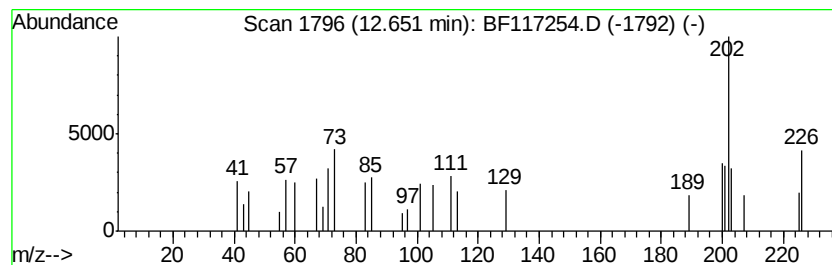
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.65 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.65	2.18 ng	20786	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 2,6-difuloro-3,4-d...	202	C9H8F2O3	152434-99-6	35
2			Fluoranthene	202	C16H10	000206-44-0	25
3			Pvrene	202	C16H10	000129-00-0	25
4			Pyrazinecarboxylic acid, 3,5-dia...	202	C6H7ClN4O2	001458-01-1	9
5			Benzene, 1-chloro-2,4-dinitro-	202	C6H3ClN2O4	000097-00-7	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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Misc :
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ClientSampleId :
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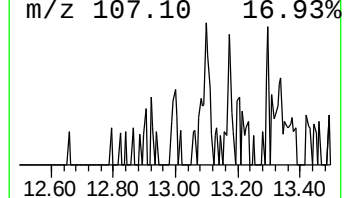
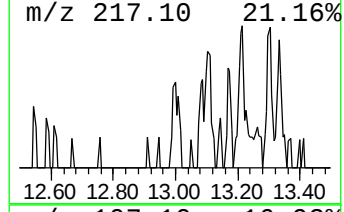
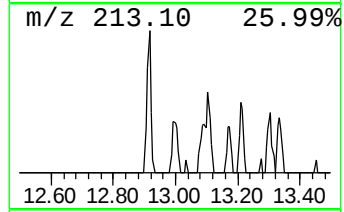
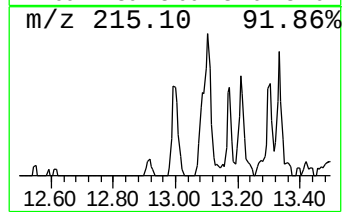
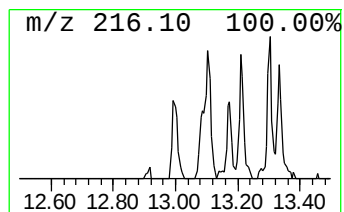
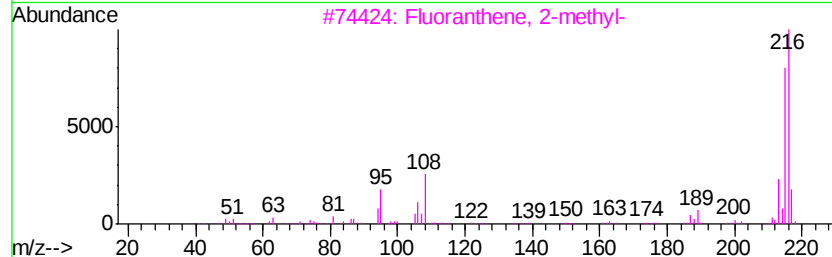
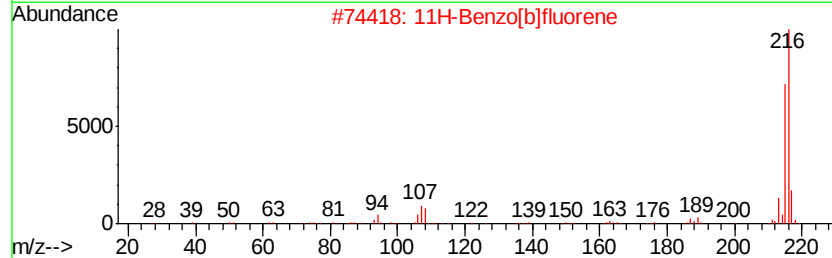
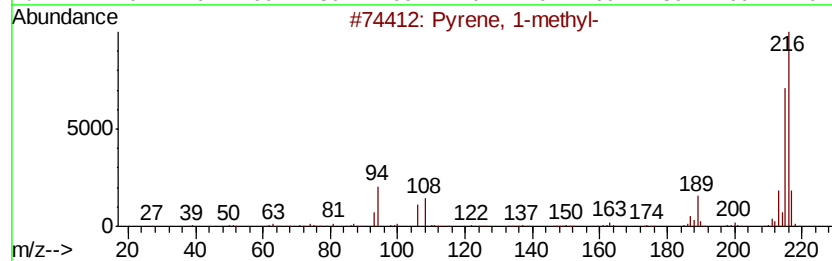
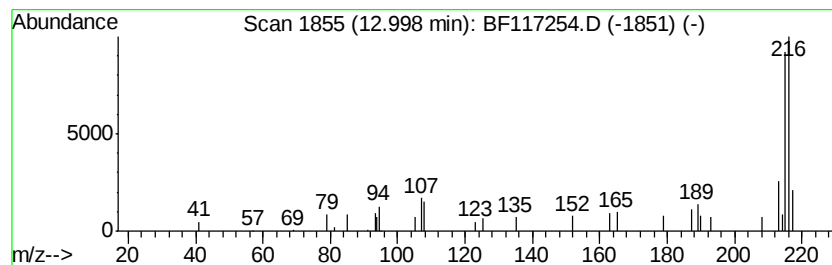
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.16 ng	31569	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

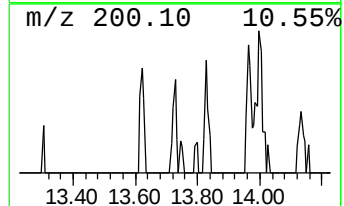
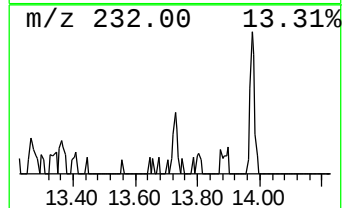
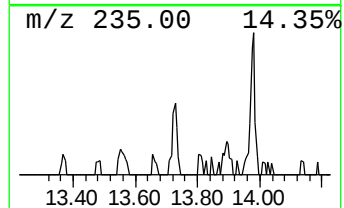
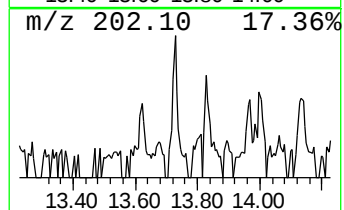
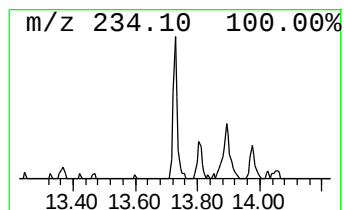
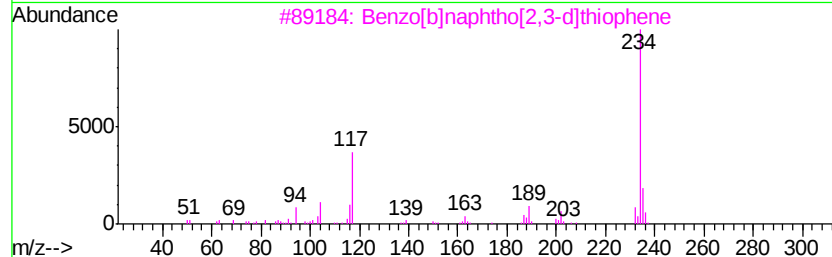
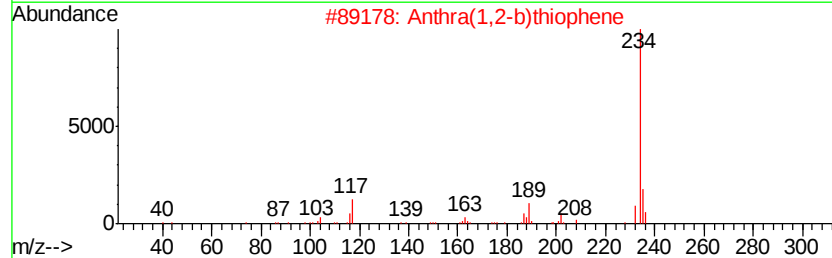
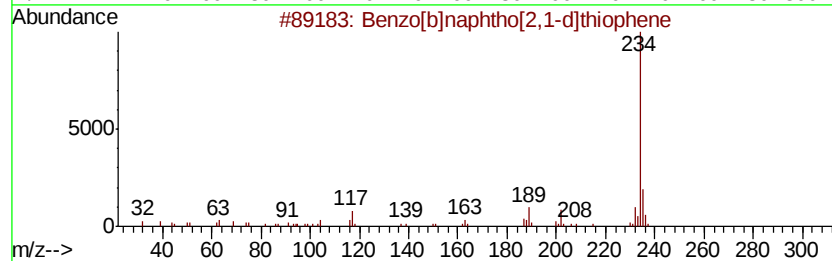
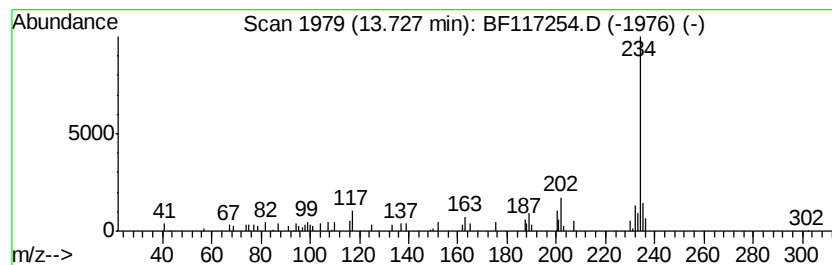
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.26 ng	32946	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72
5		2,4-Diamino-5,6,7,8-tetrahydro-9...	234	C11H14N4S	042159-81-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-03-092419

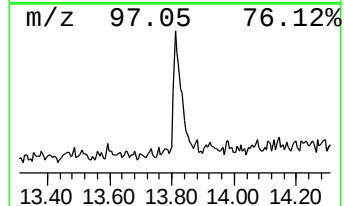
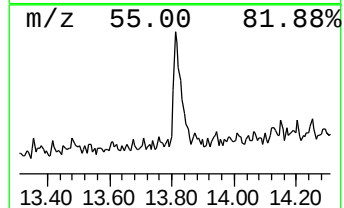
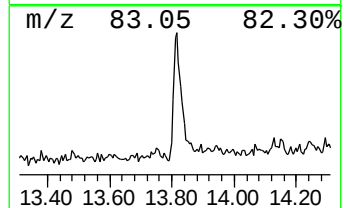
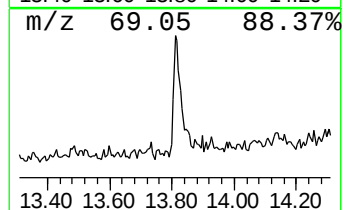
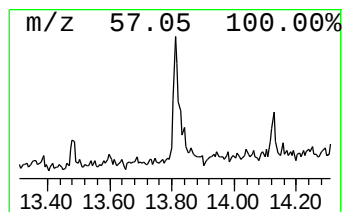
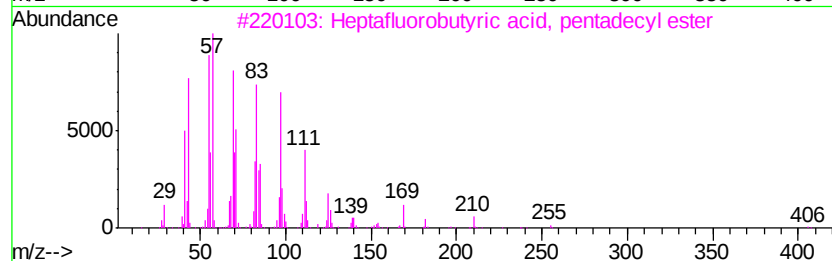
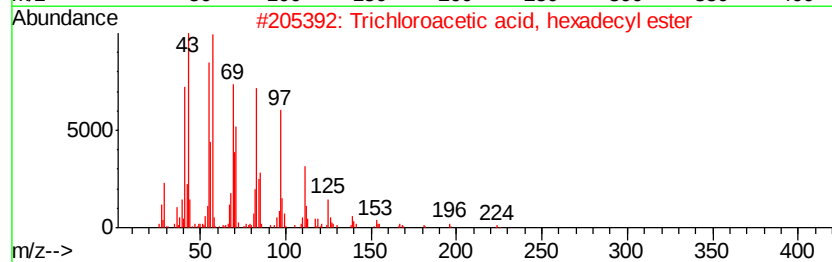
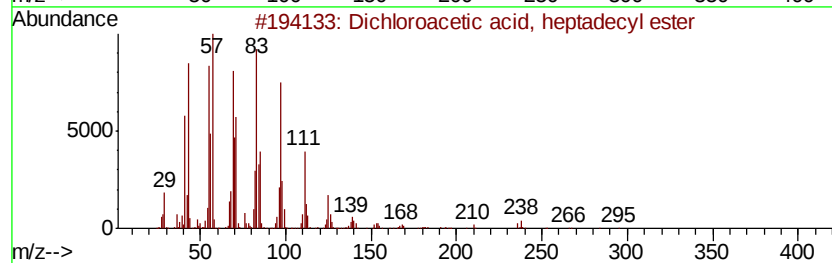
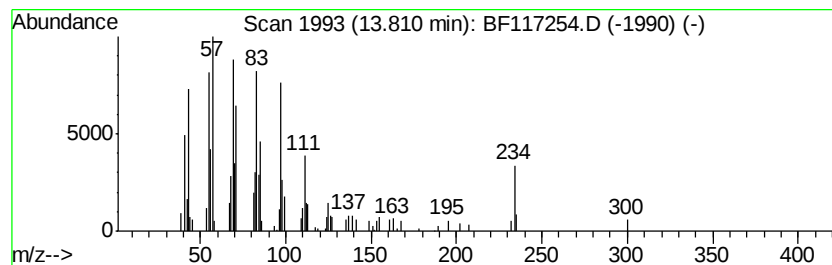
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dichloroacetic acid, heptad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	9.66 ng	140978	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
2			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
3			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
5			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
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Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
BU-03-092419

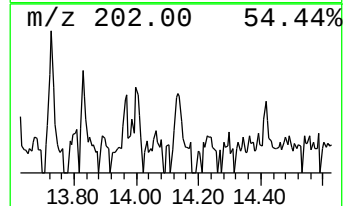
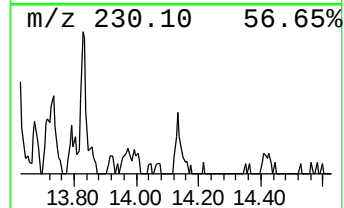
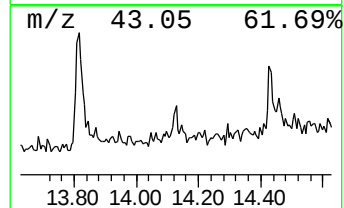
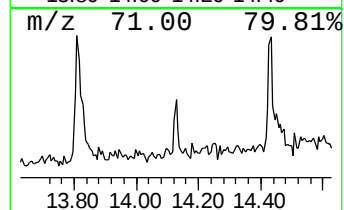
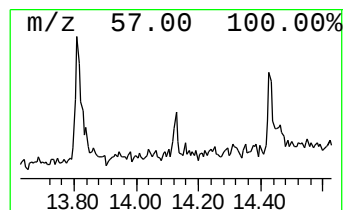
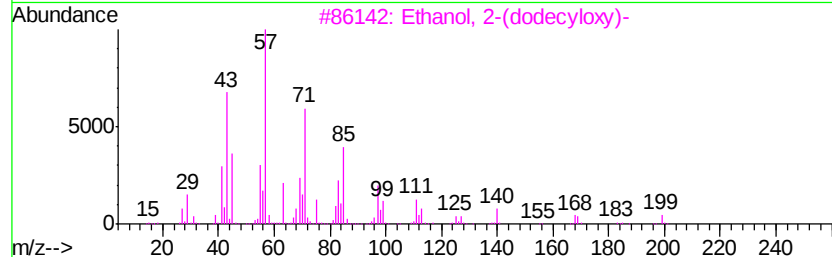
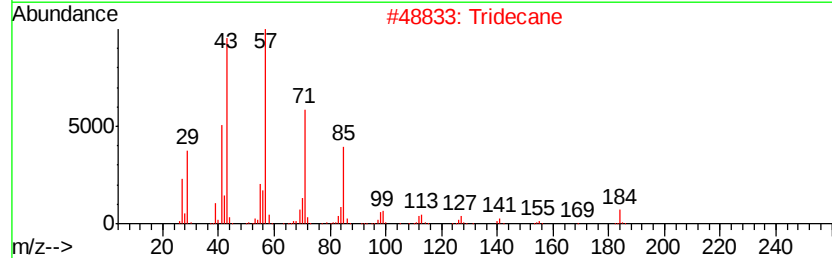
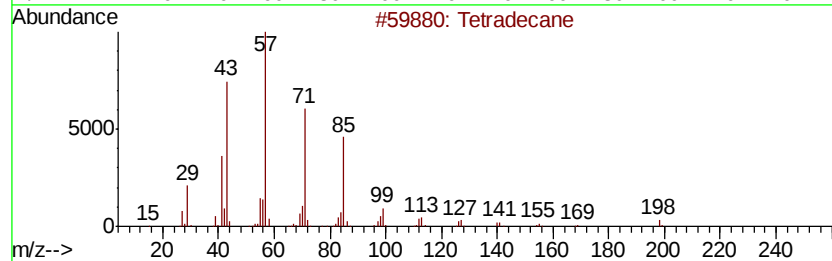
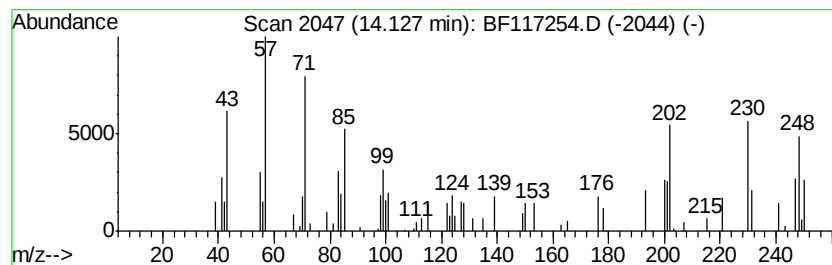
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.13 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.79 ng	40669	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	22
2		Tridecane	184	C13H28	000629-50-5	22
3		Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	22
4		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	22
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-03-092419

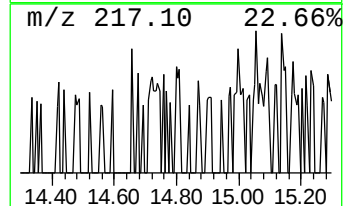
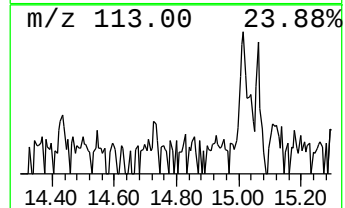
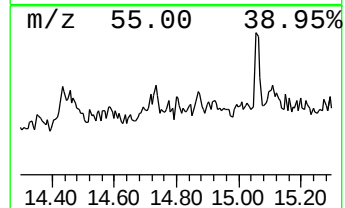
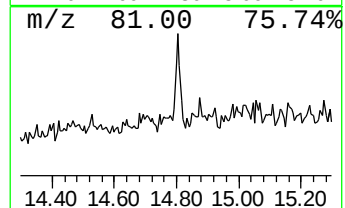
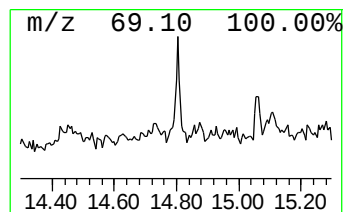
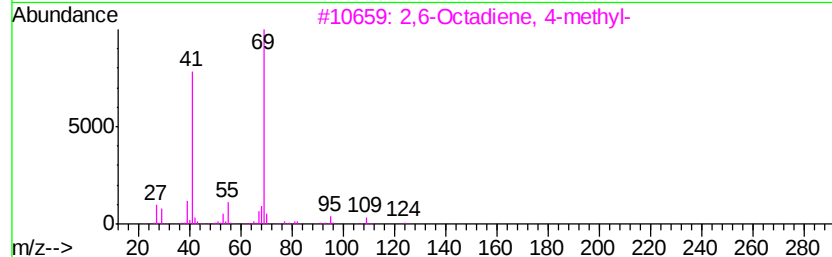
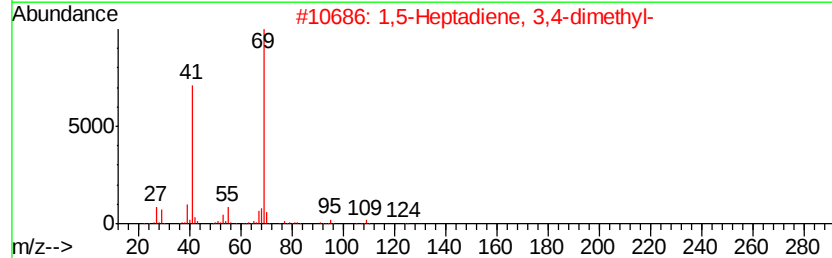
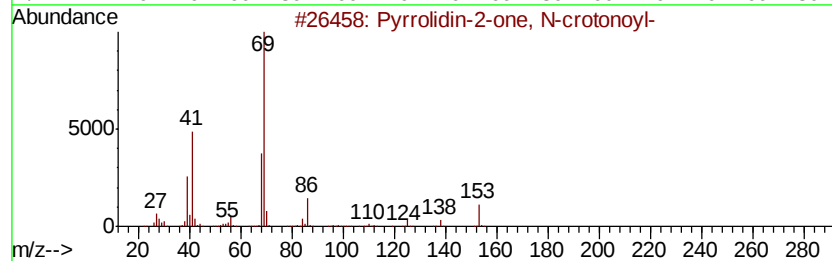
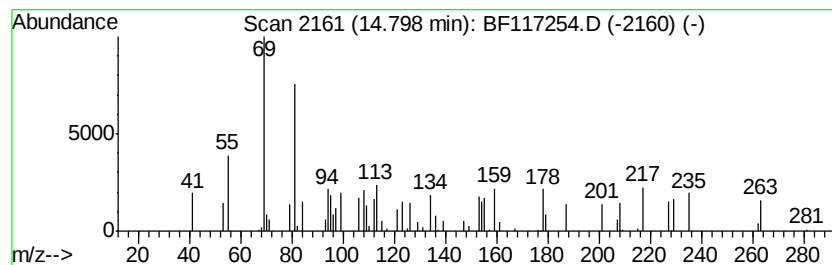
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown14.80 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	3.24 ng	31222	Perylene-d12	15.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrrolidin-2-one, N-crotonoyl-	153	C8H11NO2	1000156-44-4	49
2			1,5-Heptadiene, 3,4-dimethyl-	124	C9H16	1000061-77-9	47
3			2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	47
4			2-Methyl-4-bromo-1-butene	148	C5H9Br	020038-12-4	47
5			1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
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Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-03-092419

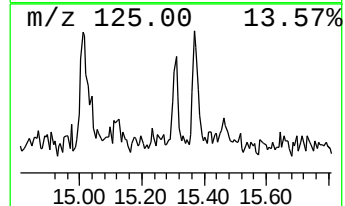
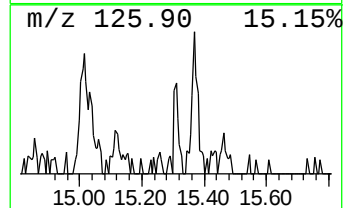
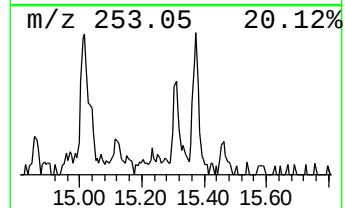
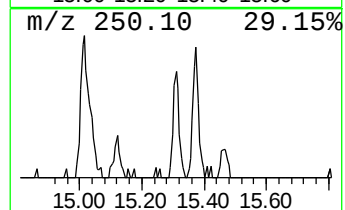
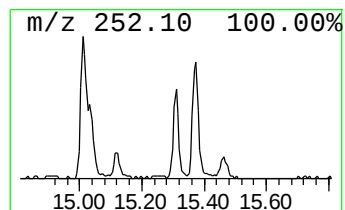
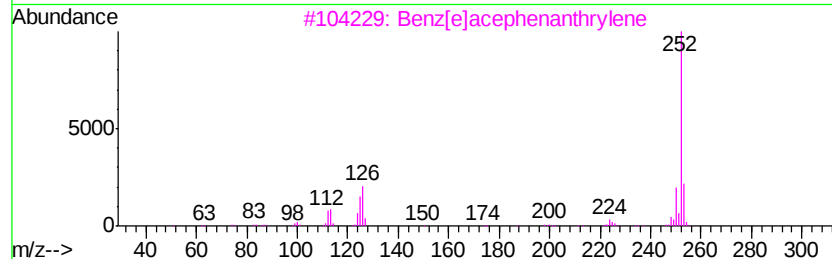
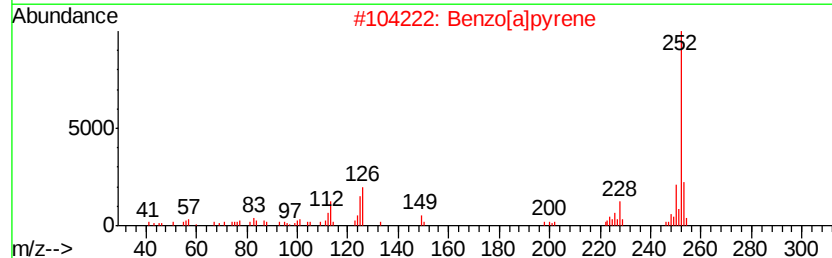
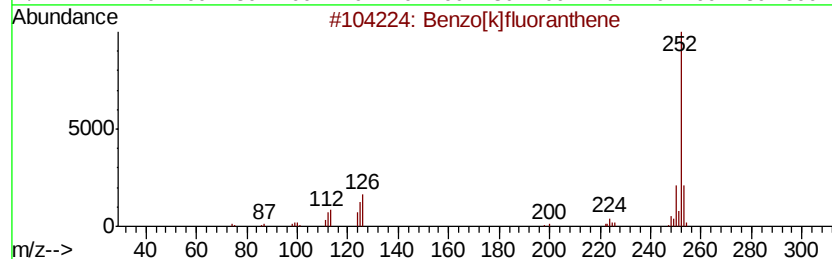
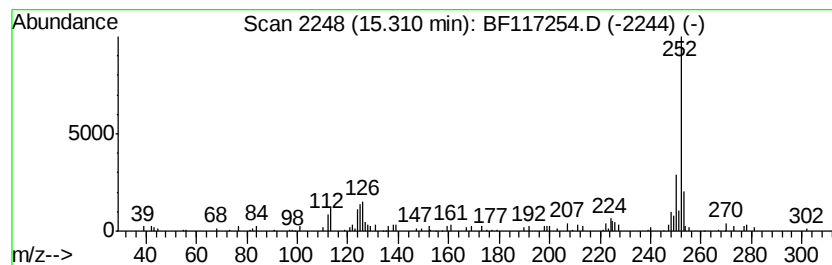
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	5.50 ng	53014	Perylene-d12	15.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2			Benzo[a]pyrene	252	C20H12	000050-32-8	90
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	76
4			Perylene	252	C20H12	000198-55-0	76
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

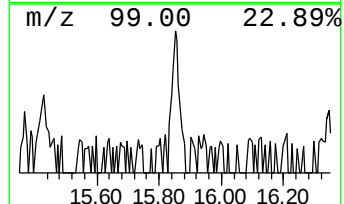
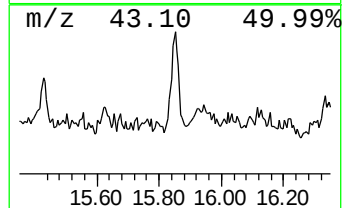
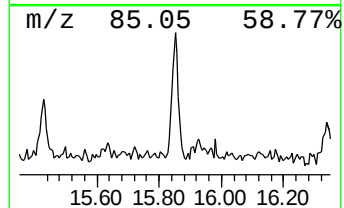
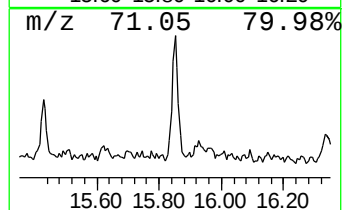
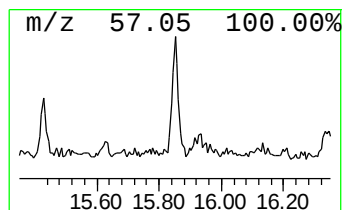
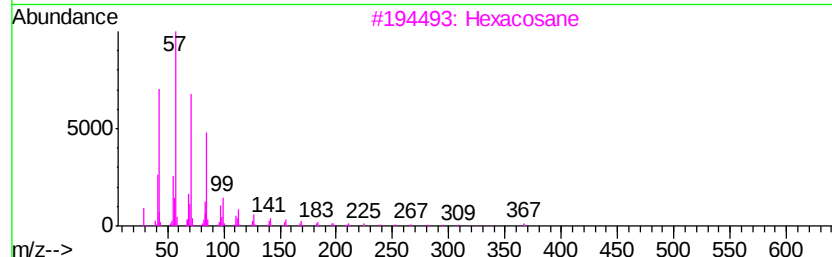
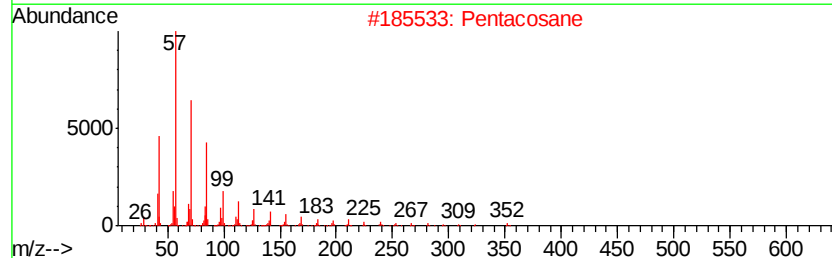
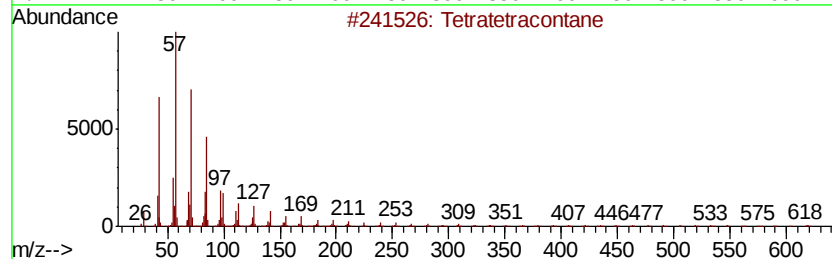
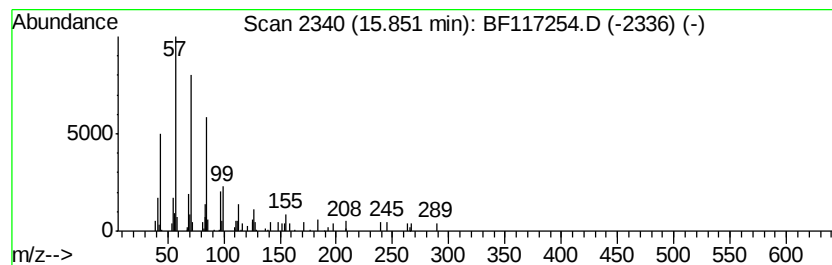
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetratetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	6.23 ng	59970	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	78
2		Pentacosane	352	C25H52	000629-99-2	72
3		Hexacosane	366	C26H54	000630-01-3	72
4		Octacosane	394	C28H58	000630-02-4	72
5		Triacontane	422	C30H62	000638-68-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

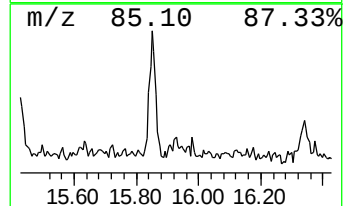
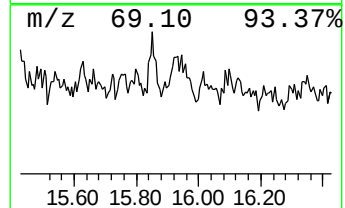
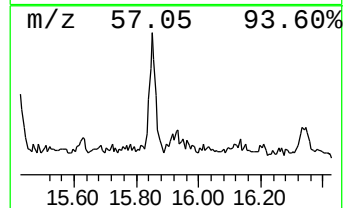
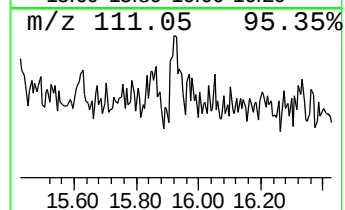
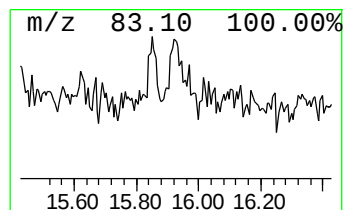
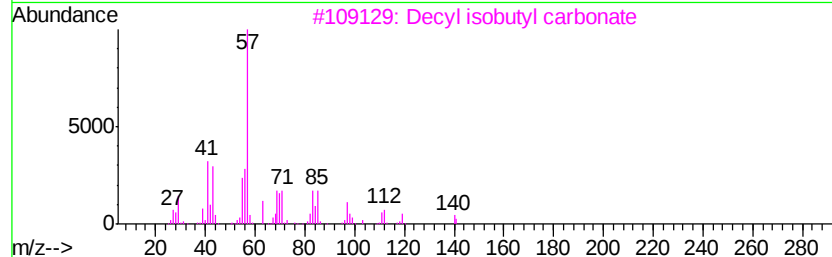
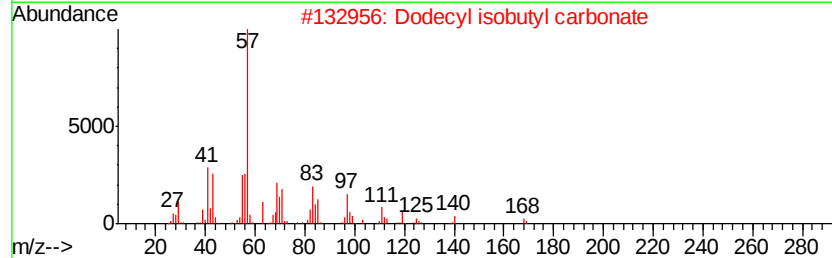
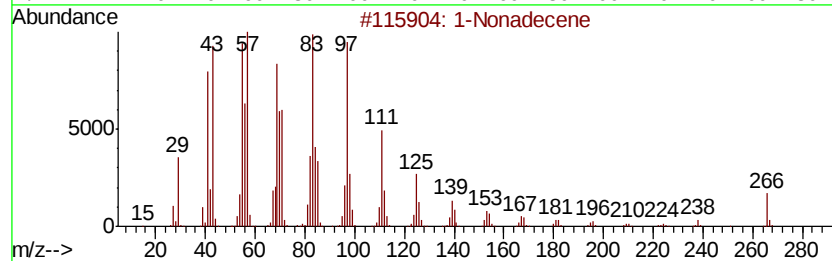
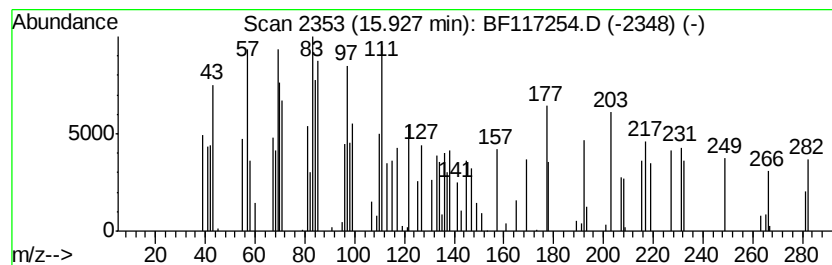
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown15.93 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.29 ng	50938	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonadecene	266	C19H38	018435-45-5	41
2		Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	38
3		Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	35
4		Dichloroacetic acid, undecyl ester	282	C13H24Cl2O2	090146-85-3	35
5		Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117254.D
Acq On : 25 Sep 2019 21:31
Operator : JU
Sample : K4657-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-092419

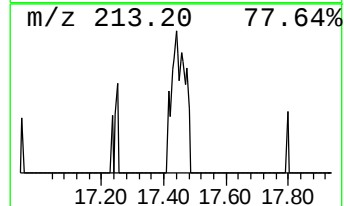
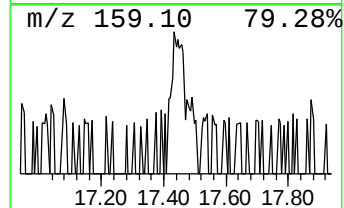
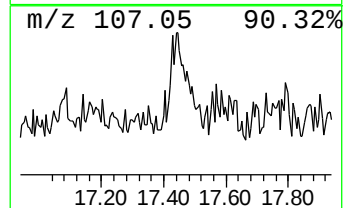
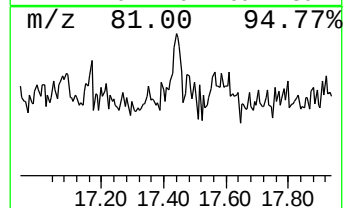
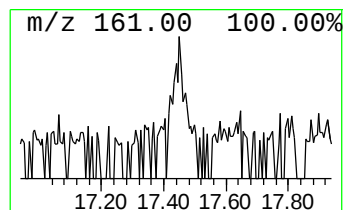
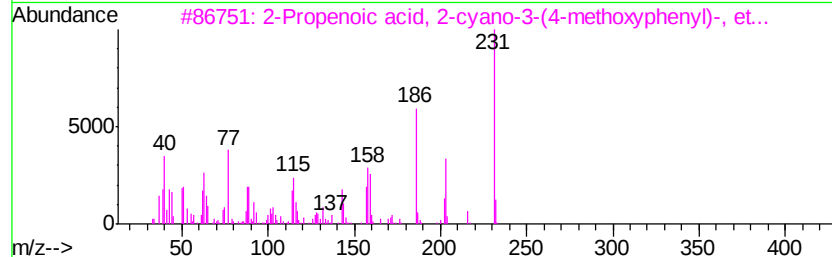
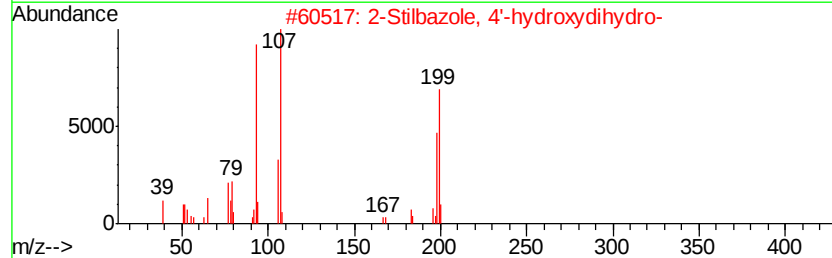
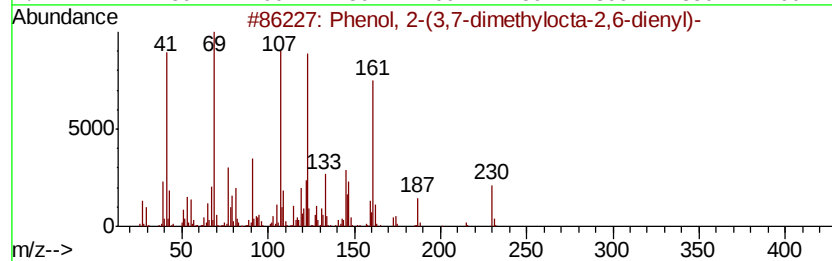
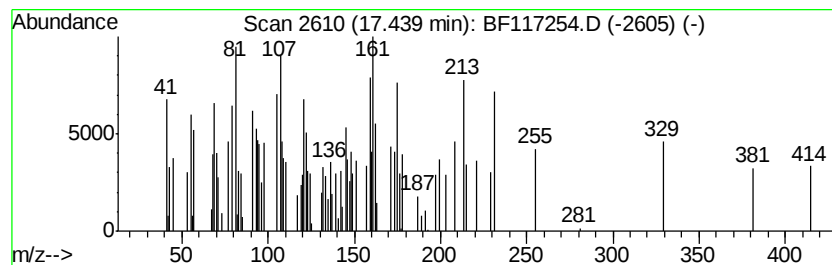
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.44 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	10.47 ng	100880	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-(3,7-dimethylocta-2,6-...	230	C16H22O	010232-02-7	10
2		2-Stilbazole, 4'-hydroxydihydro-	199	C13H13NO	085666-07-5	10
3		2-Propenoic acid, 2-cyano-3-(4-m...	231	C13H13NO3	002286-29-5	10
4		3-Buten-2-ol, 4-(2,6,6-trimethyl...	194	C13H22O	022029-76-1	10
5		9,19-Cyclolanostan-3-ol, acetate...	470	C32H54O2	004575-74-0	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092519\
 Data File : BF117254.D
 Acq On : 25 Sep 2019 21:31
 Operator : JU
 Sample : K4657-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-092419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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
unknown6.59	6.59	77.6	ng	780755	1	6.82	201214	20.0
Phenanthrene, 2-m...	11.83	4.0	ng	38244	4	11.33	190605	20.0
Anthracene, 1-met...	11.86	9.2	ng	87608	4	11.33	190605	20.0
Phenanthrene, 1-m...	11.95	6.1	ng	58265	4	11.33	190605	20.0
3,4-Methylenedio...	11.97	2.6	ng	25121	4	11.33	190605	20.0
Naphthalene, 2-ph...	12.13	2.8	ng	26738	4	11.33	190605	20.0
9,10-Anthracenedione	12.17	2.2	ng	20778	4	11.33	190605	20.0
di-p-Tolylacetylene	12.39	4.0	ng	38587	4	11.33	190605	20.0
Cyclopenta(def)ph...	12.48	4.0	ng	37905	4	11.33	190605	20.0
unknown12.65	12.65	2.2	ng	20786	4	11.33	190605	20.0
Pyrene, 1-methyl-	13.00	2.2	ng	31569	5	13.97	291816	20.0
Benzo[b]naphtho[2...	13.73	2.3	ng	32946	5	13.97	291816	20.0
Dichloroacetic ac...	13.81	9.7	ng	140978	5	13.97	291816	20.0
unknown14.13	14.13	2.8	ng	40669	5	13.97	291816	20.0
unknown14.80	14.80	3.2	ng	31222	6	15.43	192660	20.0
Perylene	15.31	5.5	ng	53014	6	15.43	192660	20.0
Tetratetracontane	15.85	6.2	ng	59970	6	15.43	192660	20.0
unknown15.93	15.93	5.3	ng	50938	6	15.43	192660	20.0
unknown17.44	17.44	10.5	ng	100880	6	15.43	192660	20.0