

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080620\
 Data File : BF121207.D
 Acq On : 6 Aug 2020 17:42
 Operator : JU/CG
 Sample : L3553-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

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-BF071620.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	4.987	491	493	504	rBV	23856	32451	1.20%	0.096%
2	5.369	555	558	560	rBV	44528	40340	1.49%	0.119%
3	5.404	560	564	582	rVB	1932284	1903007	70.42%	5.628%
4	6.428	734	738	757	rBV	1989807	1916652	70.93%	5.669%
5	6.628	768	772	777	rBV	21755	29828	1.10%	0.088%
6	6.793	796	800	808	rBV	951801	778938	28.82%	2.304%
7	7.351	891	895	907	rBV	1336139	1357496	50.23%	4.015%
8	8.075	1014	1018	1038	rVB	1158593	1079369	39.94%	3.192%
9	9.151	1197	1201	1213	rBV	2721441	2524630	93.42%	7.467%
10	9.269	1217	1221	1229	rVB2	83311	93076	3.44%	0.275%
11	9.545	1265	1268	1276	rBV	362680	340411	12.60%	1.007%
12	9.692	1290	1293	1298	rVB	56690	48398	1.79%	0.143%
13	9.828	1309	1316	1320	rBV	1262180	1215666	44.99%	3.595%
14	9.863	1320	1322	1332	rVB	119328	113050	4.18%	0.334%
15	10.034	1347	1351	1356	rBV2	44740	51777	1.92%	0.153%
16	10.381	1406	1410	1415	rBV	77991	86148	3.19%	0.255%
17	10.445	1415	1421	1423	rBV2	20965	33573	1.24%	0.099%
18	10.533	1434	1436	1440	rVB	28289	28444	1.05%	0.084%
19	10.622	1444	1451	1462	rBV	1463082	1610456	59.60%	4.763%
20	10.745	1467	1472	1479	rVB3	47865	87405	3.23%	0.259%
21	10.928	1497	1503	1505	rBV3	36056	46660	1.73%	0.138%
22	11.122	1533	1536	1540	rVB	64029	57721	2.14%	0.171%
23	11.180	1540	1546	1549	rVV5	57274	81532	3.02%	0.241%
24	11.216	1549	1552	1559	rVB	81307	87885	3.25%	0.260%
25	11.316	1565	1569	1571	rBV	1446545	1304446	48.27%	3.858%
26	11.339	1571	1573	1577	rVV	1346033	1130516	41.84%	3.344%
27	11.392	1579	1582	1585	rVB	272371	235102	8.70%	0.695%
28	11.551	1604	1609	1616	rBV	92259	114893	4.25%	0.340%
29	11.610	1616	1619	1623	rVV2	69557	65816	2.44%	0.195%
30	11.651	1623	1626	1631	rVV4	44747	59442	2.20%	0.176%
31	11.728	1631	1639	1643	rVB3	29314	50236	1.86%	0.149%
32	11.816	1651	1654	1657	rBV	237676	216568	8.01%	0.641%
33	11.845	1657	1659	1663	rVV	331578	284643	10.53%	0.842%
34	11.892	1663	1667	1670	rVV	99496	94885	3.51%	0.281%

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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

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35	11.928	1670	1673	1676	rVV2	315795	370253	13.70%	1.095%
36	11.951	1676	1677	1682	rVB	183417	127897	4.73%	0.378%
37	12.016	1683	1688	1692	rBV3	42244	68631	2.54%	0.203%
38	12.116	1701	1705	1707	rBV	131108	122858	4.55%	0.363%
39	12.139	1707	1709	1713	rVB	108382	96357	3.57%	0.285%
40	12.263	1728	1730	1733	rBV	67556	53491	1.98%	0.158%
41	12.292	1733	1735	1737	rBV	55887	41311	1.53%	0.122%
42	12.316	1737	1739	1742	rVB	46157	38538	1.43%	0.114%
43	12.369	1744	1748	1751	rBV	158474	173886	6.43%	0.514%
44	12.404	1751	1754	1756	rVV2	106758	115838	4.29%	0.343%
45	12.422	1756	1757	1760	rVB	48092	36468	1.35%	0.108%
46	12.451	1760	1762	1767	rBV2	119870	144995	5.37%	0.429%
47	12.527	1770	1775	1779	rBV	1592985	1501039	55.55%	4.439%
48	12.592	1784	1786	1789	rVB3	49904	42785	1.58%	0.127%
49	12.680	1794	1801	1804	rBV3	63432	117454	4.35%	0.347%
50	12.757	1808	1814	1820	rVV	1473758	1712111	63.36%	5.064%
51	12.810	1820	1823	1827	rVB2	77264	100751	3.73%	0.298%
52	12.904	1835	1839	1846	rVB	2809227	2702312	100.00%	7.992%
53	12.974	1847	1851	1855	rBV3	124624	175338	6.49%	0.519%
54	13.063	1863	1866	1867	rBV3	105109	97478	3.61%	0.288%
55	13.086	1867	1870	1873	rVB2	210389	216429	8.01%	0.640%
56	13.133	1873	1878	1879	rBV3	59790	79860	2.96%	0.236%
57	13.151	1879	1881	1884	rVV	111296	100540	3.72%	0.297%
58	13.192	1884	1888	1890	rVV2	179224	186483	6.90%	0.552%
59	13.216	1890	1892	1895	rVB	42730	44814	1.66%	0.133%
60	13.280	1900	1903	1906	rVB	96363	79264	2.93%	0.234%
61	13.316	1906	1909	1912	rBV	107409	103559	3.83%	0.306%
62	13.474	1932	1936	1940	rBV4	50928	95741	3.54%	0.283%
63	13.592	1954	1956	1961	rVB	132660	143068	5.29%	0.423%
64	13.704	1971	1975	1978	rBV	136353	165259	6.12%	0.489%
65	13.733	1978	1980	1982	rVV	129852	106474	3.94%	0.315%
66	13.757	1982	1984	1989	rVV2	89874	127146	4.71%	0.376%
67	13.804	1989	1992	2001	rVB	386844	511360	18.92%	1.512%
68	13.957	2010	2018	2021	rBV2	1461362	2050663	75.89%	6.065%
69	13.980	2021	2022	2030	rVB	705738	535394	19.81%	1.583%
70	14.063	2033	2036	2038	rVB	95626	71618	2.65%	0.212%
71	14.304	2075	2077	2079	rBV2	46027	43776	1.62%	0.129%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	14.345	2081	2084	2087	rVV	151510	142707	5.28%	0.422%
73	14.374	2087	2089	2093	rVB	69881	73004	2.70%	0.216%
74	14.727	2147	2149	2152	rBV3	48218	46191	1.71%	0.137%
75	14.986	2189	2193	2196	rBV	543825	775413	28.69%	2.293%
76	15.057	2203	2205	2208	rVB	77056	76959	2.85%	0.228%
77	15.092	2208	2211	2215	rBV	118662	134213	4.97%	0.397%
78	15.280	2240	2243	2250	rVB	291751	387075	14.32%	1.145%
79	15.345	2250	2254	2259	rBV	478496	568288	21.03%	1.681%
80	15.410	2260	2265	2268	rBV	789359	1071645	39.66%	3.170%
81	16.833	2502	2507	2516	rVB2	232308	457318	16.92%	1.353%
82	17.262	2575	2580	2591	rVB	177316	375611	13.90%	1.111%

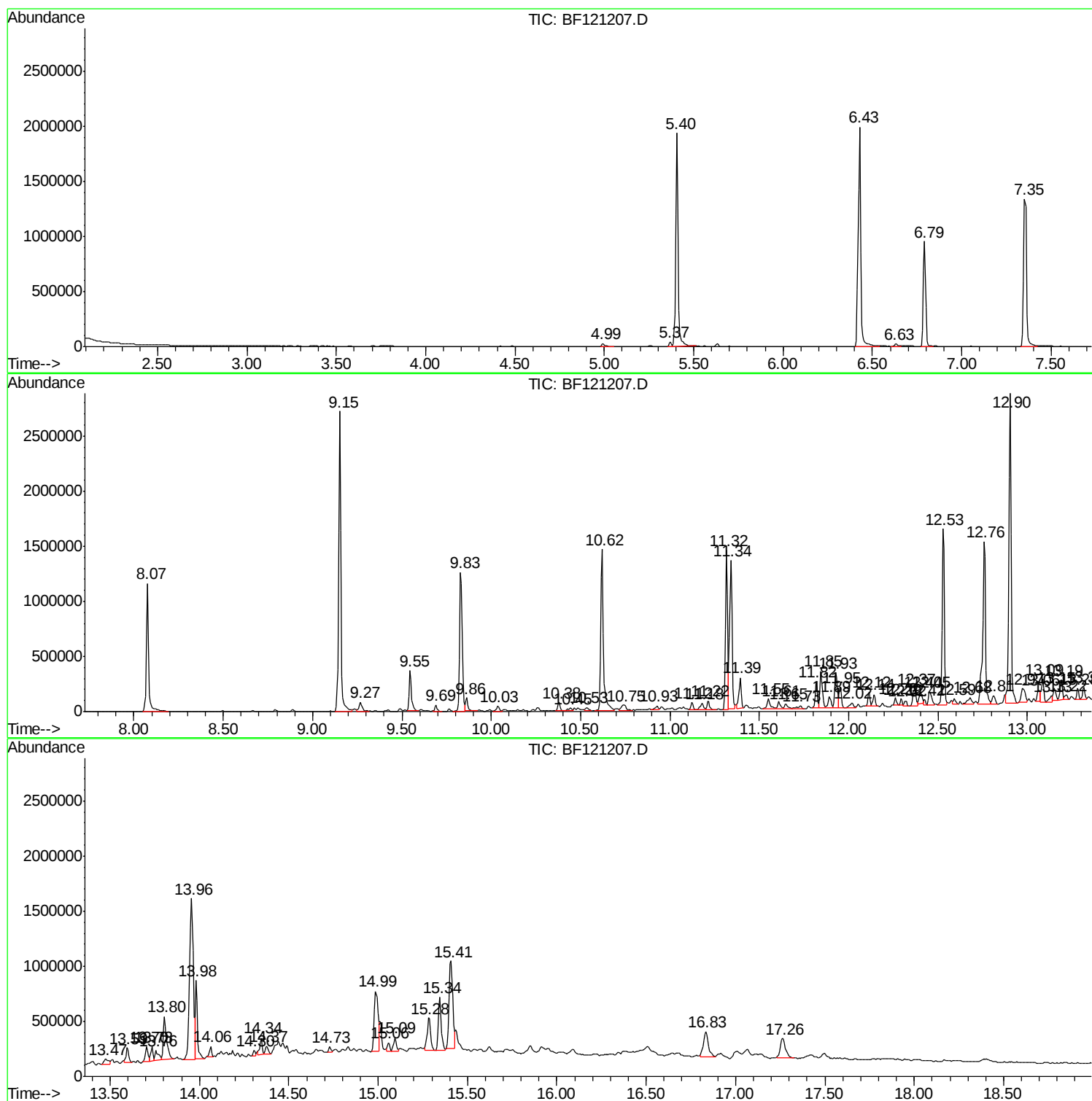
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Instrument :
BNA_F
ClientSampled :
JB-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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Data File : BF121207.D
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Operator : JU/CG
Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JB-1A

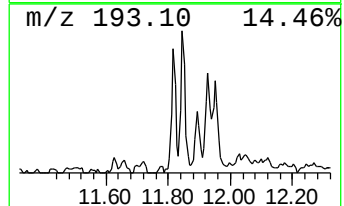
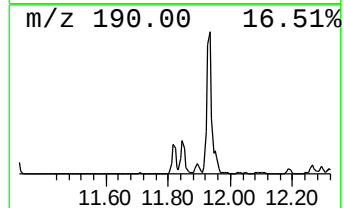
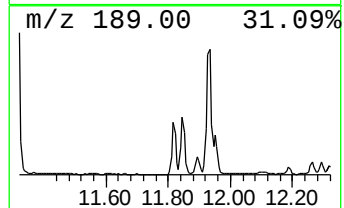
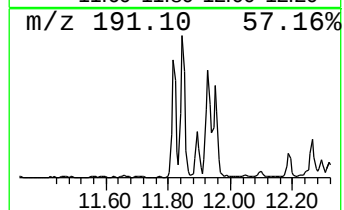
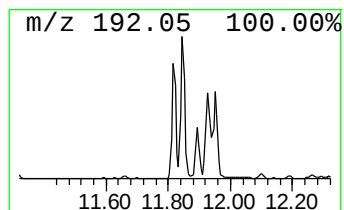
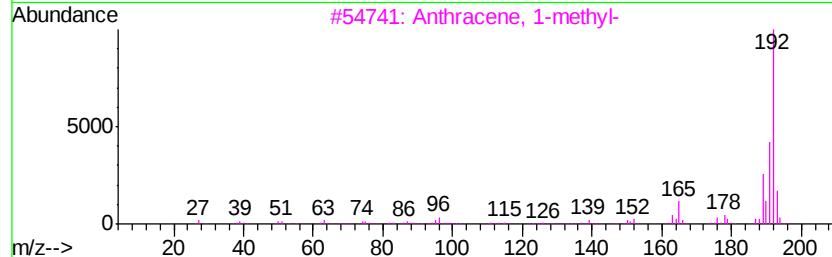
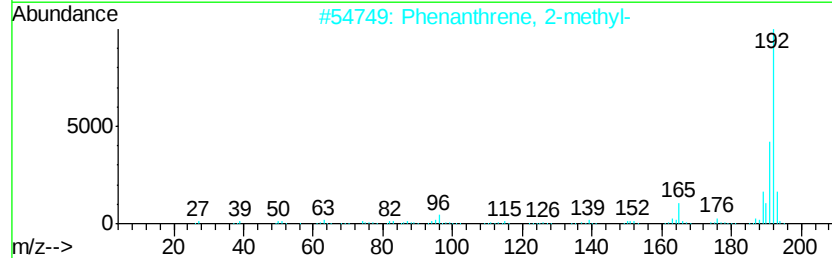
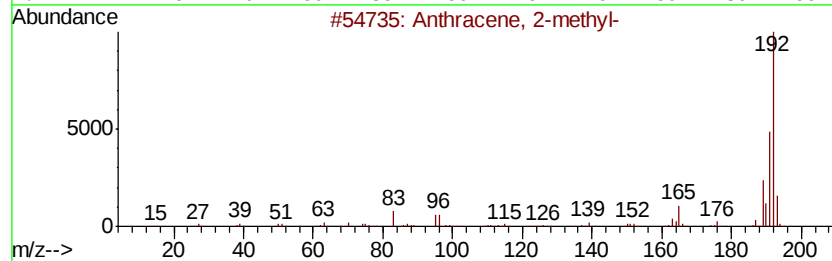
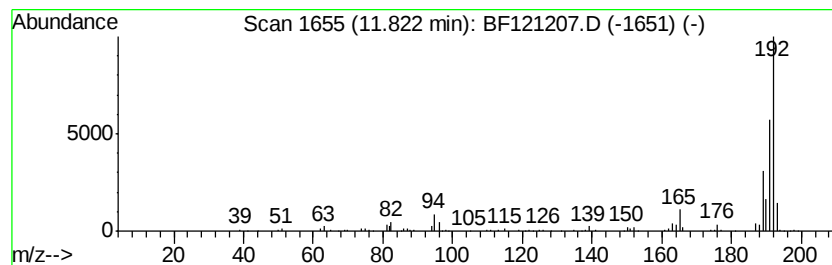
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.32 ng	216568	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



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Misc :
ALS Vial : 7 Sample Multiplier: 1

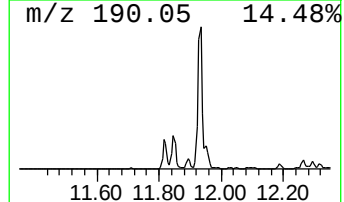
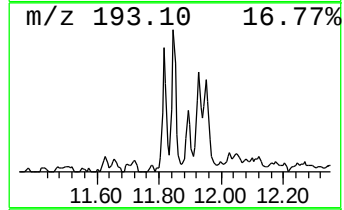
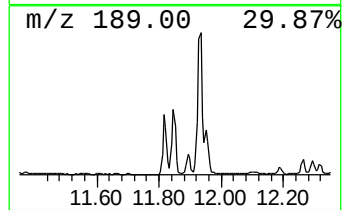
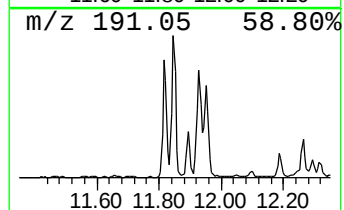
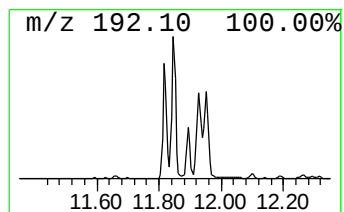
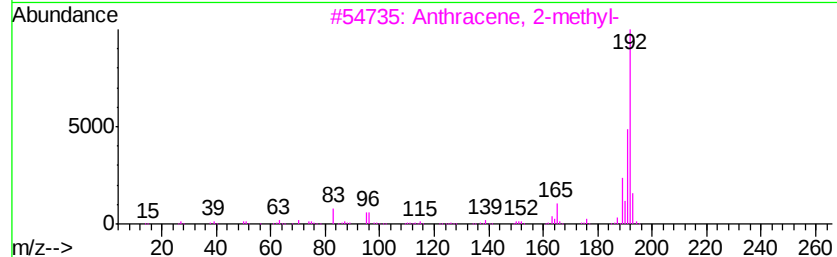
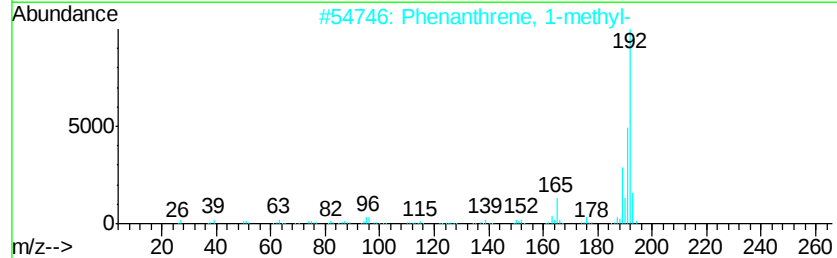
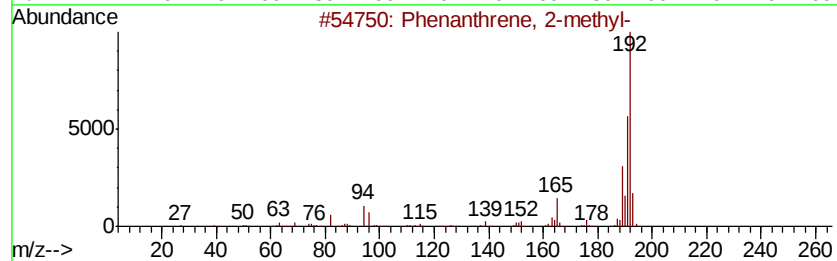
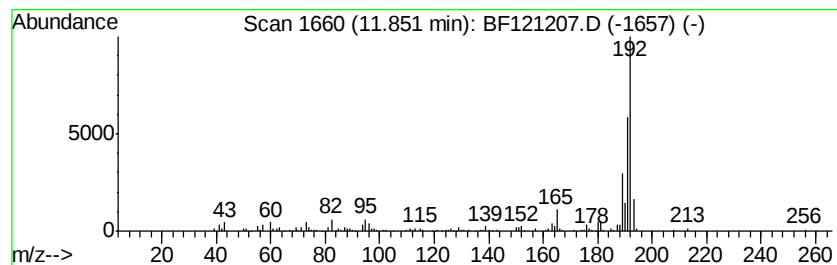
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.85	4.36 ng	284643	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



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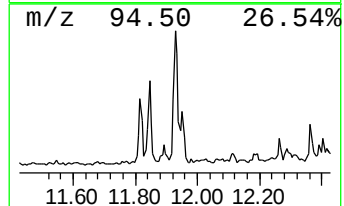
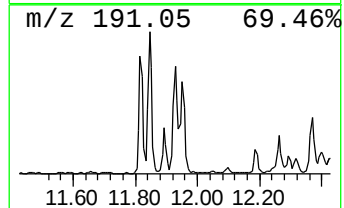
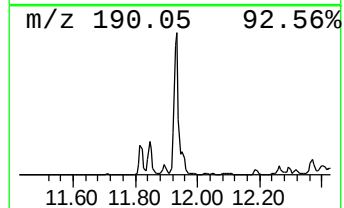
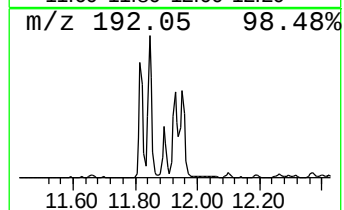
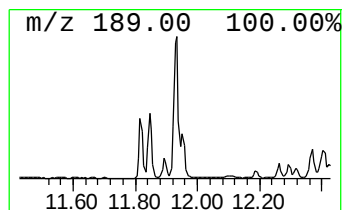
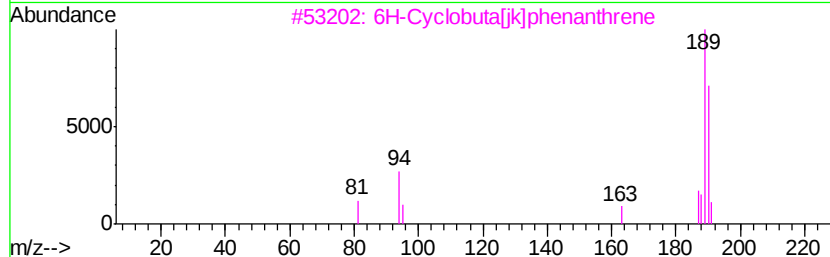
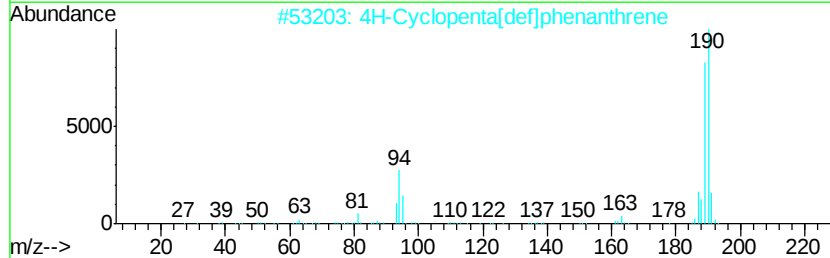
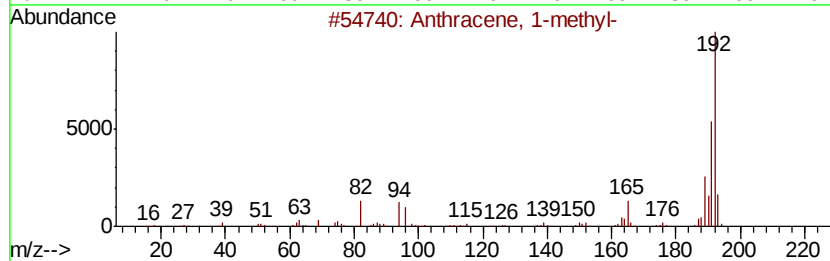
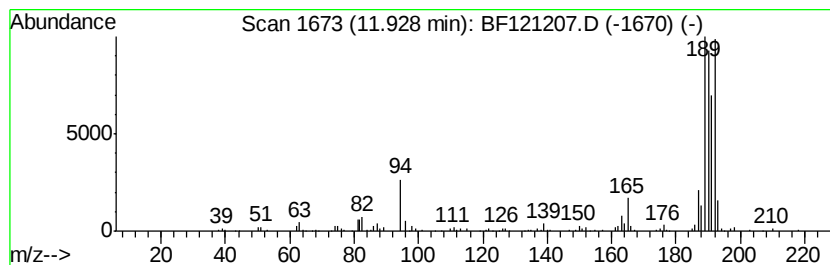
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.68 ng	370253	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46



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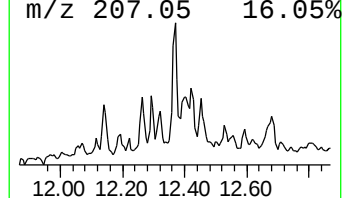
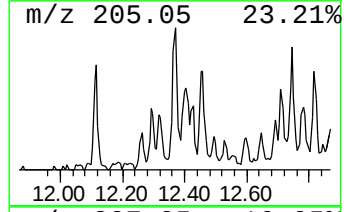
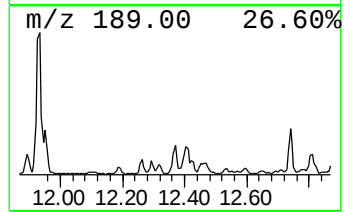
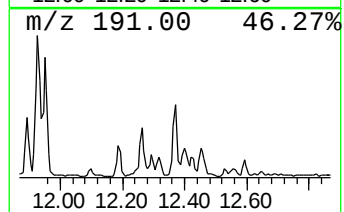
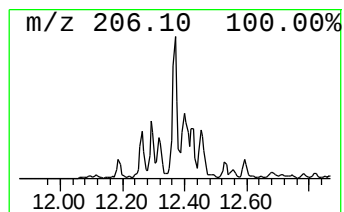
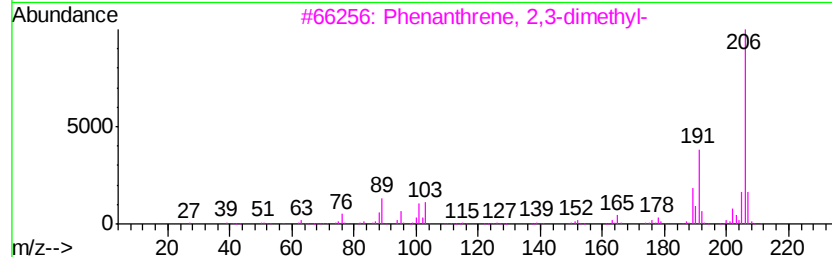
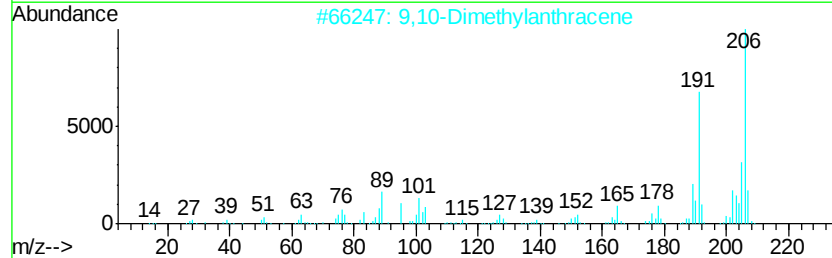
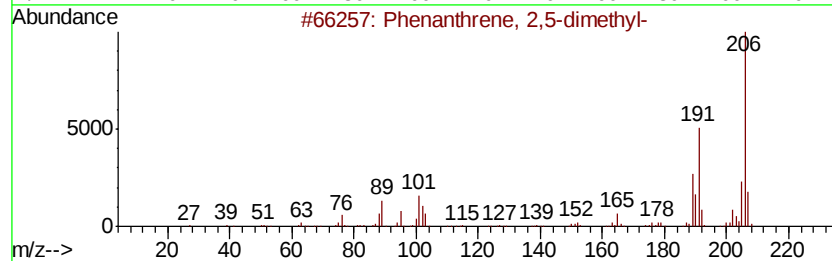
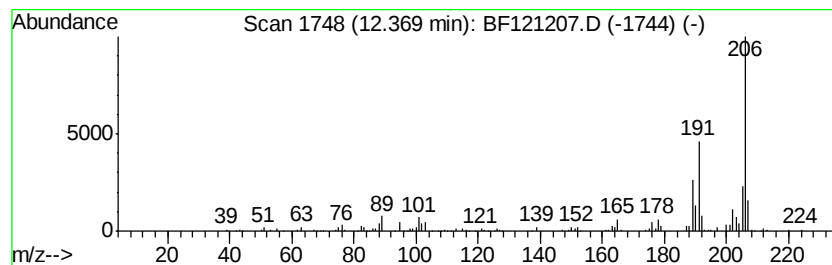
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.67 ng	173886	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121207.D
Acq On : 6 Aug 2020 17:42
Operator : JU/CG
Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

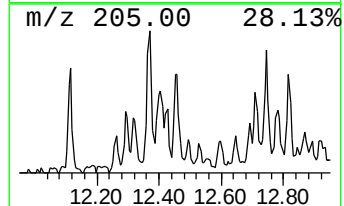
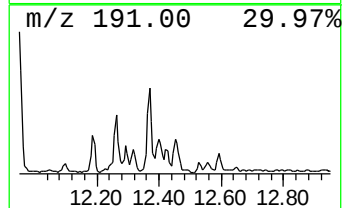
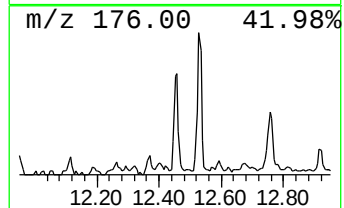
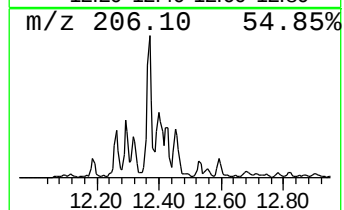
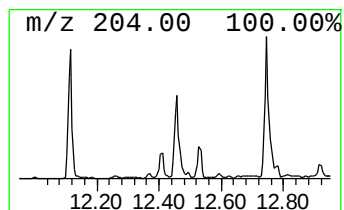
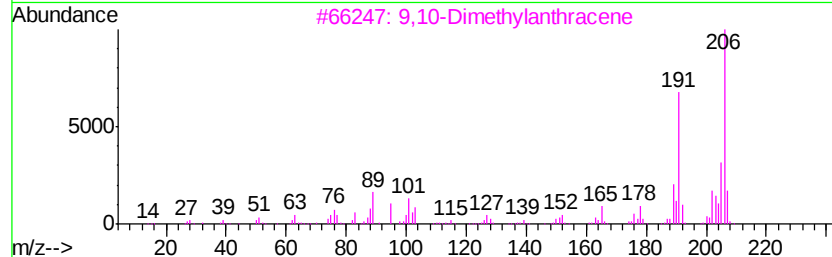
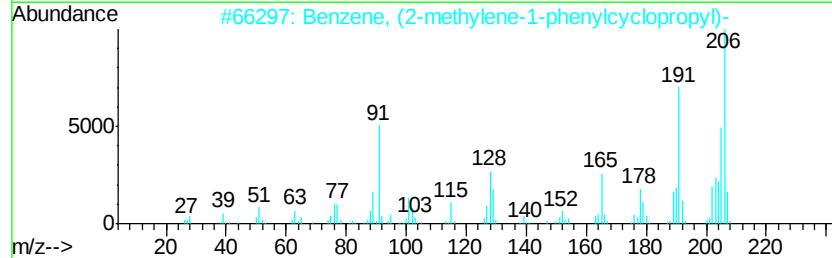
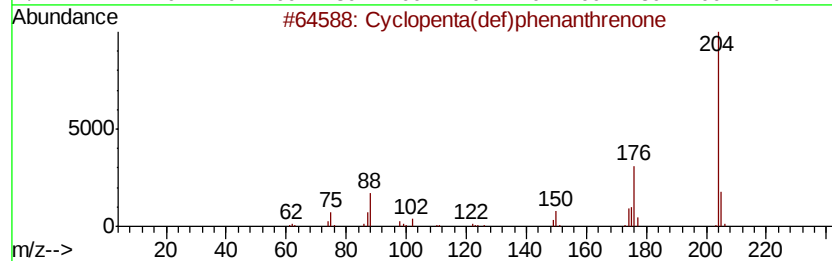
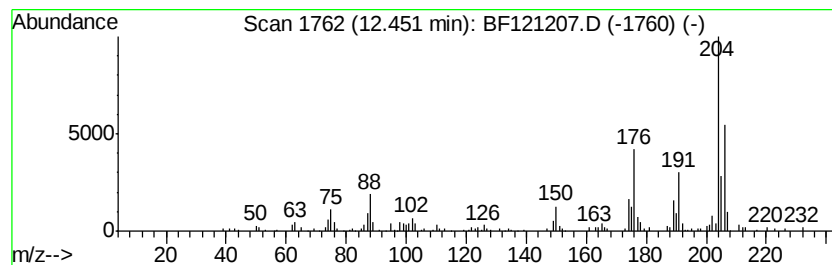
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.45	2.22 ng	144995	Phenanthrene-d10		11.32	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2		Benzene, (2-methylene-1-phenylcv...	206	C16H14	025152-47-0	46
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
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Acq On : 6 Aug 2020 17:42
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Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

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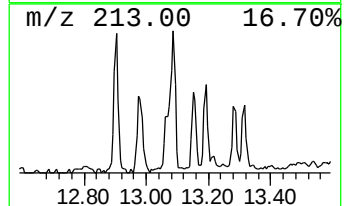
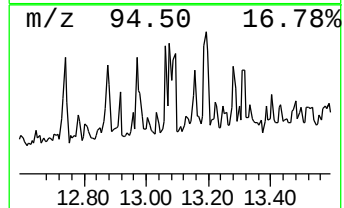
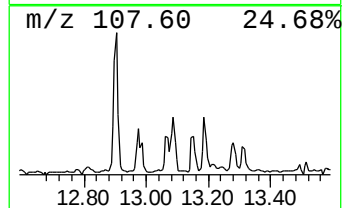
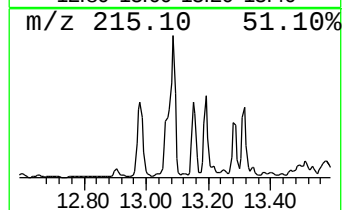
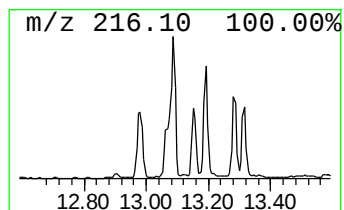
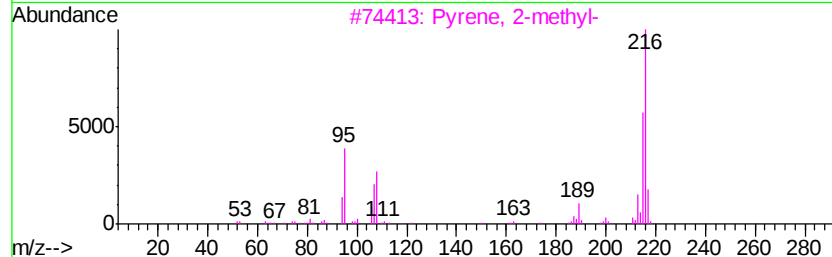
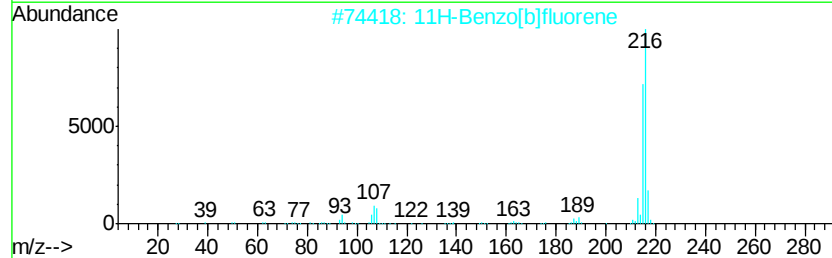
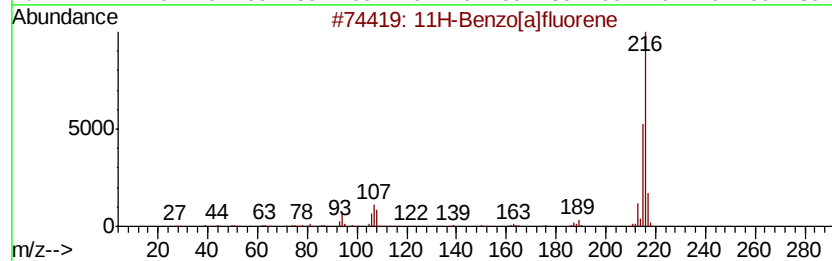
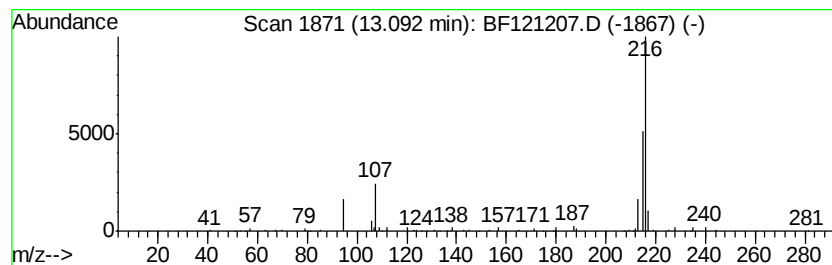
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.11 ng	216429	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Pvrene, 2-methyl-	216	C17H12	003442-78-2	83
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121207.D
Acq On : 6 Aug 2020 17:42
Operator : JU/CG
Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JB-1A

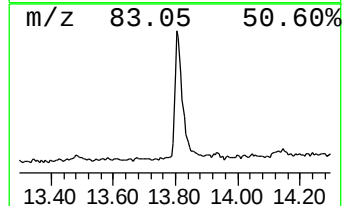
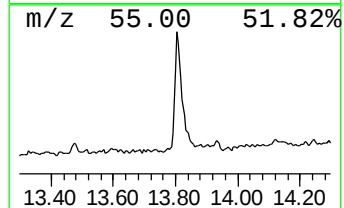
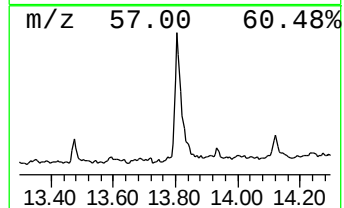
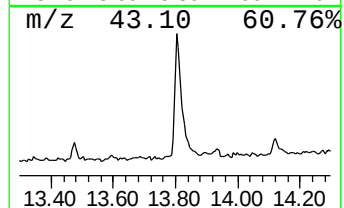
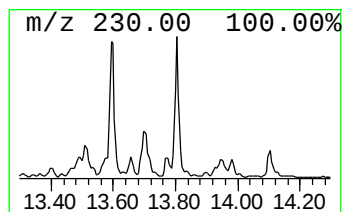
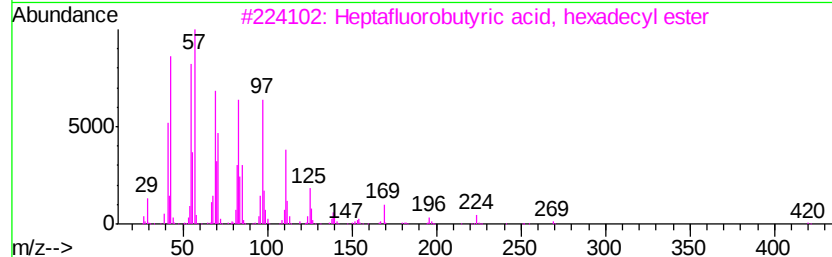
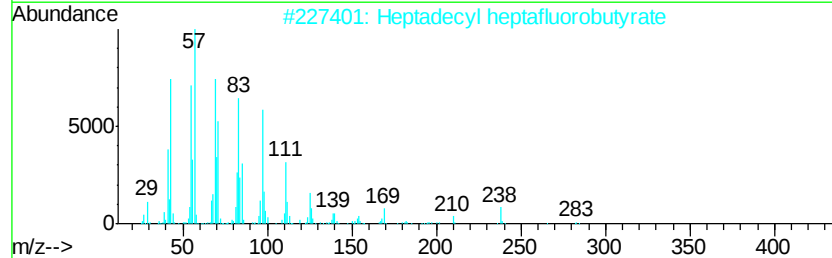
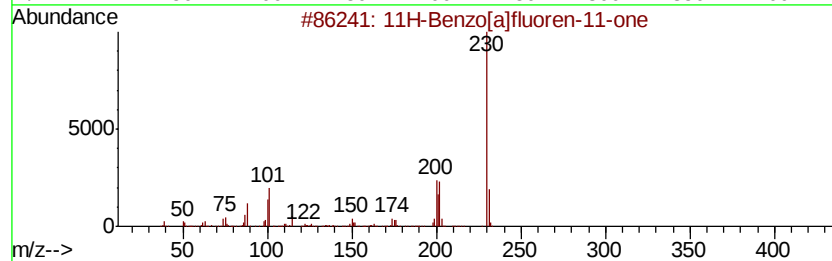
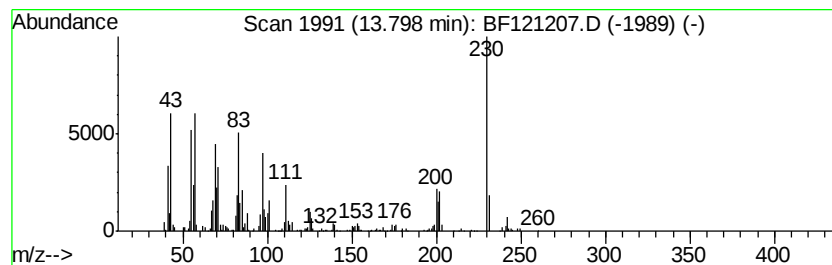
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	4.99 ng	511360	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	84
3		Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	62
4		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	59
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121207.D
Acq On : 6 Aug 2020 17:42
Operator : JU/CG
Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

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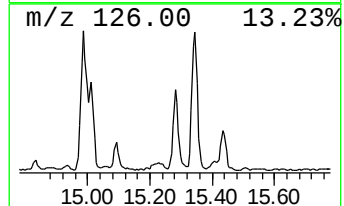
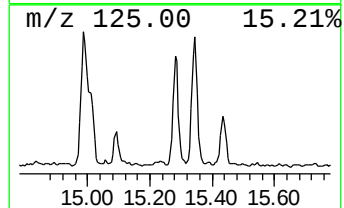
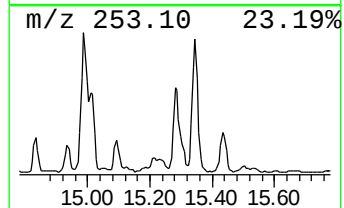
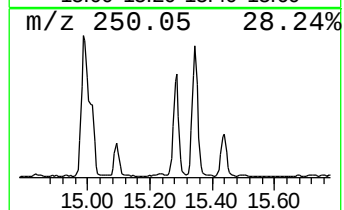
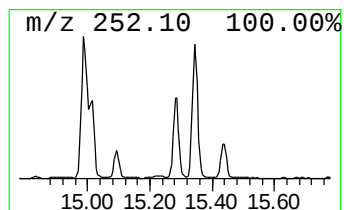
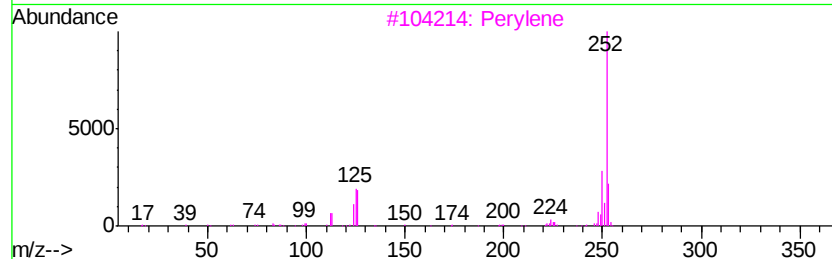
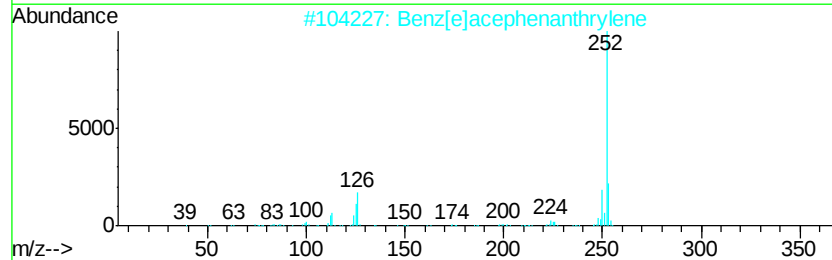
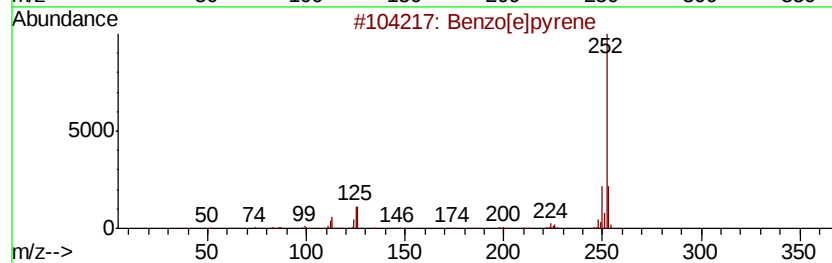
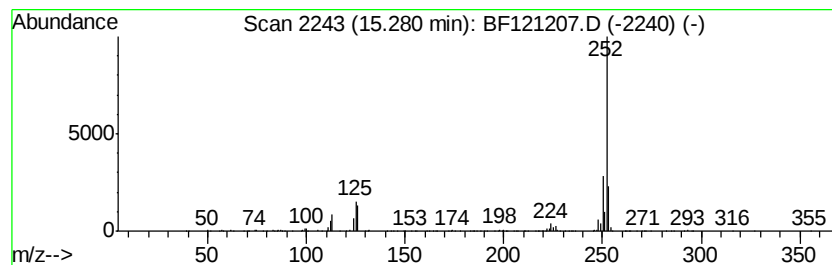
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	7.22 ng	387075	Perylene-d12	15.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Perylene	252	C20H12	000198-55-0	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080620\
Data File : BF121207.D
Acq On : 6 Aug 2020 17:42
Operator : JU/CG
Sample : L3553-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Anthracene, 2-met...	11.82	3.3	ng	216568	4	11.32	1304450	20.0
Phenanthrene, 2-m...	11.85	4.4	ng	284643	4	11.32	1304450	20.0
Anthracene, 1-met...	11.93	5.7	ng	370253	4	11.32	1304450	20.0
Phenanthrene, 2,5...	12.37	2.7	ng	173886	4	11.32	1304450	20.0
Cyclopenta(def)ph...	12.45	2.2	ng	144995	4	11.32	1304450	20.0
11H-Benzo[a]fluorene	13.09	2.1	ng	216429	5	13.96	2050660	20.0
11H-Benzo[a]fluor...	13.80	5.0	ng	511360	5	13.96	2050660	20.0
Benzo[e]pyrene	15.28	7.2	ng	387075	6	15.41	1071650	20.0