

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080720\
 Data File : BF121231.D
 Acq On : 7 Aug 2020 14:59
 Operator : JU/CG
 Sample : L3508-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

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	5.404	561	564	580	rBV	339638	428982	5.01%	1.010%
2	6.428	735	738	754	rBV	332101	451328	5.27%	1.062%
3	6.793	797	800	808	rBV	842802	712751	8.33%	1.678%
4	7.357	893	896	900	rBV	264588	286439	3.35%	0.674%
5	8.075	1013	1018	1025	rBV	948404	1056274	12.34%	2.486%
6	8.792	1137	1140	1144	rBV	120894	112023	1.31%	0.264%
7	8.892	1152	1157	1165	rBV	157262	187473	2.19%	0.441%
8	9.151	1198	1201	1211	rBV	685888	645841	7.54%	1.520%
9	9.422	1243	1247	1251	rBV2	87420	114378	1.34%	0.269%
10	9.492	1255	1259	1261	rVV	138217	140143	1.64%	0.330%
11	9.516	1261	1263	1266	rVV	80244	86533	1.01%	0.204%
12	9.551	1266	1269	1272	rVV	106507	115270	1.35%	0.271%
13	9.834	1309	1317	1320	rBV	1276506	1154578	13.49%	2.718%
14	9.863	1320	1322	1326	rVB	185108	170487	1.99%	0.401%
15	10.039	1347	1352	1356	rVB2	79505	100263	1.17%	0.236%
16	10.263	1388	1390	1393	rVB2	112777	89497	1.05%	0.211%
17	10.381	1406	1410	1415	rBV	198137	205100	2.40%	0.483%
18	10.628	1449	1452	1456	rBV	335119	347512	4.06%	0.818%
19	10.739	1467	1471	1479	rVB4	104392	165070	1.93%	0.389%
20	10.928	1498	1503	1506	rVV2	98213	139069	1.62%	0.327%
21	10.957	1506	1508	1511	rVV2	105672	107719	1.26%	0.254%
22	11.180	1540	1546	1550	rBV3	133390	190072	2.22%	0.447%
23	11.216	1550	1552	1560	rVB	141761	151434	1.77%	0.356%
24	11.322	1566	1570	1572	rBV	1349045	1196825	13.98%	2.817%
25	11.345	1572	1574	1578	rVV	1425487	1139178	13.31%	2.681%
26	11.398	1580	1583	1586	rVB	302314	260776	3.05%	0.614%
27	11.557	1606	1610	1616	rBV	100503	144053	1.68%	0.339%
28	11.616	1617	1620	1622	rBV	131833	113679	1.33%	0.268%
29	11.722	1633	1638	1641	rBV	4619211	5312057	62.06%	12.503%
30	11.822	1652	1655	1658	rBV	397611	378087	4.42%	0.890%
31	11.851	1658	1660	1664	rVB	521462	440829	5.15%	1.038%
32	11.898	1664	1668	1671	rBV	181477	177947	2.08%	0.419%
33	11.933	1671	1674	1677	rBV	675821	749663	8.76%	1.765%
34	11.957	1677	1678	1682	rVB	365768	239926	2.80%	0.565%

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35	12.033	1684	1691	1693	rBV4	125580	215097	2.51%	0.506%
36	12.122	1703	1706	1708	rBV	297663	250572	2.93%	0.590%
37	12.151	1708	1711	1716	rVB3	137950	143301	1.67%	0.337%
38	12.298	1733	1736	1738	rBV2	135211	110661	1.29%	0.260%
39	12.410	1745	1755	1757	rBV3	4700422	8560063	100.00%	20.148%
40	12.480	1765	1767	1769	rVB2	376669	276711	3.23%	0.651%
41	12.516	1769	1773	1775	rVV	2985496	2822072	32.97%	6.642%
42	12.539	1775	1777	1781	rVB	1443412	1164734	13.61%	2.741%
43	12.692	1800	1803	1807	rVB3	100406	112195	1.31%	0.264%
44	12.769	1811	1816	1824	rVB	1446745	1840819	21.50%	4.333%
45	12.827	1824	1826	1830	rVB3	93677	98840	1.15%	0.233%
46	12.910	1834	1840	1842	rBV	750050	745507	8.71%	1.755%
47	12.986	1849	1853	1860	rBV3	208291	376013	4.39%	0.885%
48	13.098	1865	1872	1875	rBV	395279	654566	7.65%	1.541%
49	13.157	1876	1882	1886	rBV2	361007	509572	5.95%	1.199%
50	13.198	1886	1889	1892	rBV2	254199	211759	2.47%	0.498%
51	13.233	1892	1895	1897	rVB2	309178	274941	3.21%	0.647%
52	13.257	1897	1899	1902	rBV3	124933	128192	1.50%	0.302%
53	13.292	1902	1905	1908	rBV	212351	220212	2.57%	0.518%
54	13.322	1908	1910	1912	rVB	195041	140606	1.64%	0.331%
55	13.516	1941	1943	1946	rVB2	120695	97197	1.14%	0.229%
56	13.663	1964	1968	1971	rVB2	150162	190644	2.23%	0.449%
57	13.716	1974	1977	1979	rVV	103149	99329	1.16%	0.234%
58	13.739	1979	1981	1984	rVV	141385	109799	1.28%	0.258%
59	13.816	1991	1994	2002	rVB4	84623	132347	1.55%	0.312%
60	13.898	2006	2008	2011	rVB	287959	250045	2.92%	0.589%
61	13.963	2014	2019	2022	rVV2	1105494	1632645	19.07%	3.843%
62	13.992	2022	2024	2031	rVB	668015	594696	6.95%	1.400%
63	14.351	2082	2085	2088	rVV	218189	219451	2.56%	0.517%
64	14.386	2088	2091	2094	rVB	100635	102141	1.19%	0.240%
65	14.998	2191	2195	2202	rBV	401591	705997	8.25%	1.662%
66	15.292	2242	2245	2251	rVB	257777	359597	4.20%	0.846%
67	15.357	2252	2256	2261	rVV	419130	522187	6.10%	1.229%
68	15.421	2262	2267	2278	rVB2	675480	1051157	12.28%	2.474%
69	16.857	2508	2511	2519	rVB2	150330	250522	2.93%	0.590%

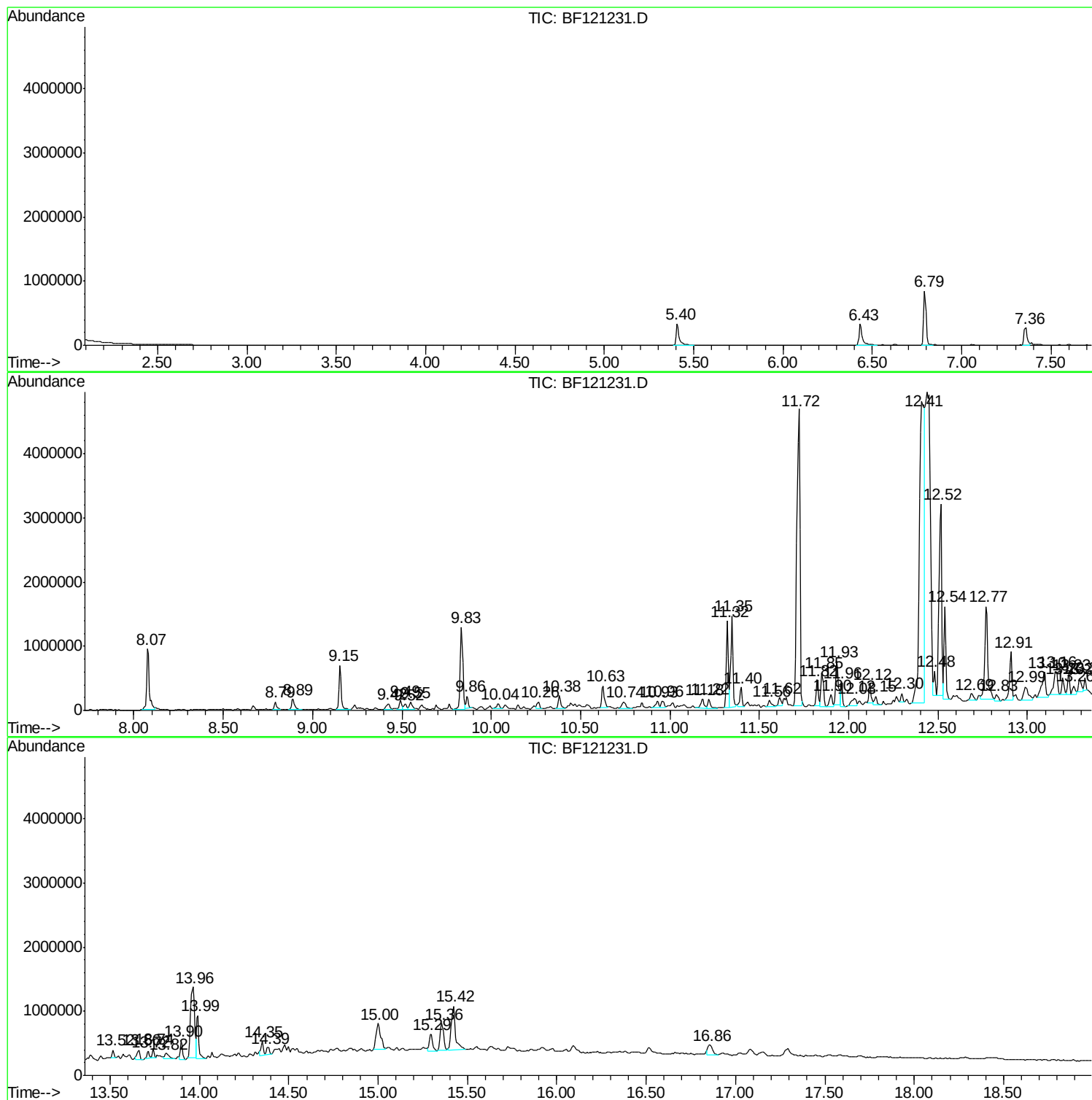
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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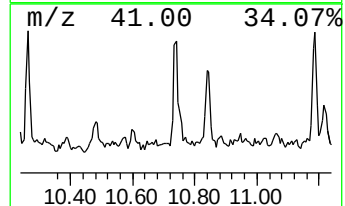
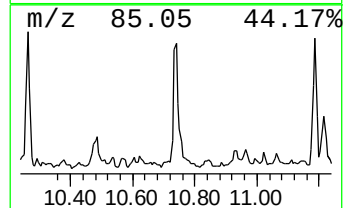
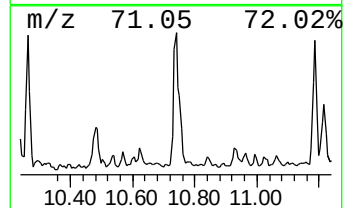
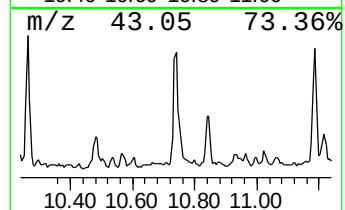
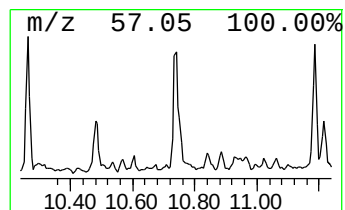
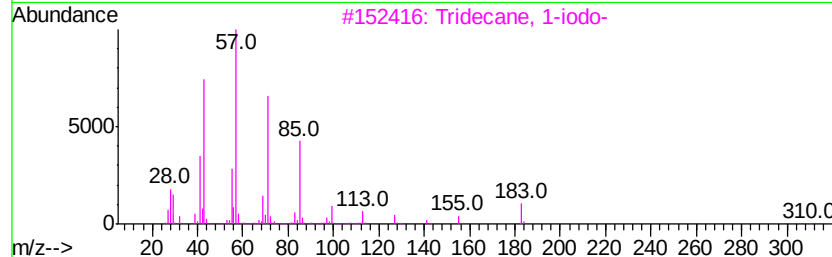
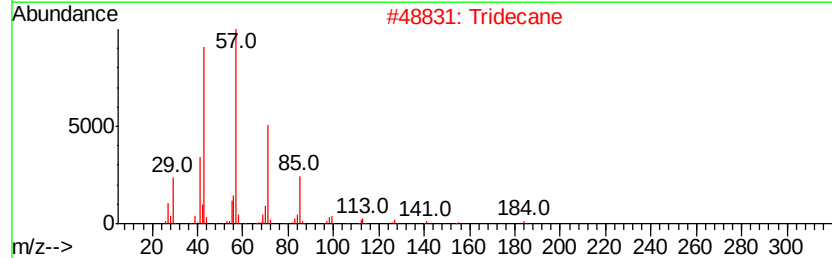
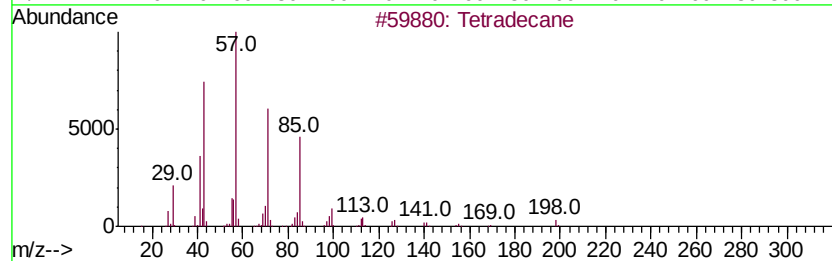
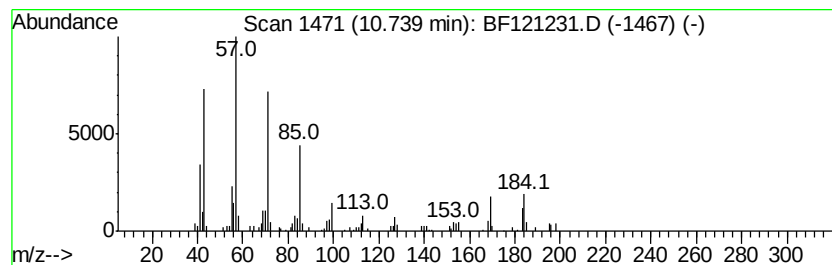
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.74	2.76 ng	165070	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Tridecane	184	C13H28	000629-50-5	76
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	74
4	Heptadecane	240	C17H36	000629-78-7	70
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	68



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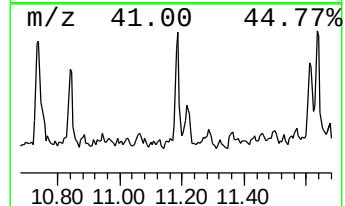
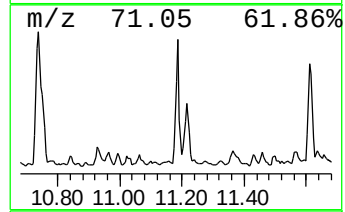
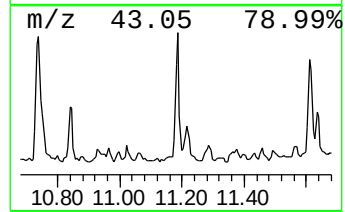
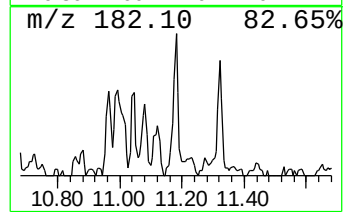
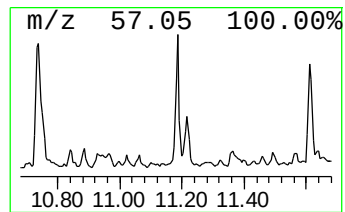
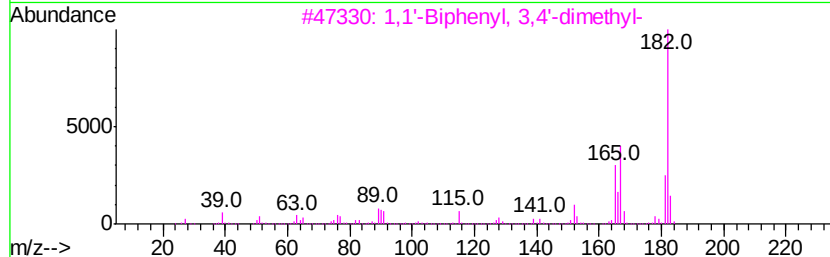
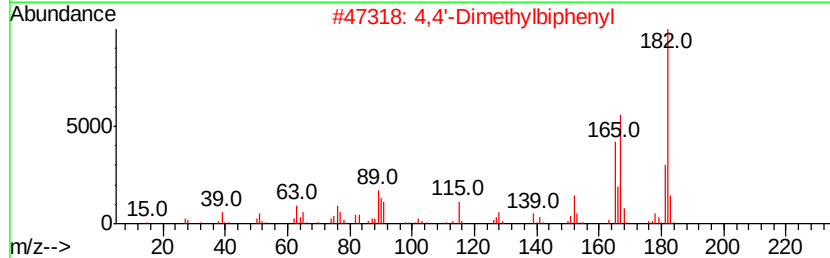
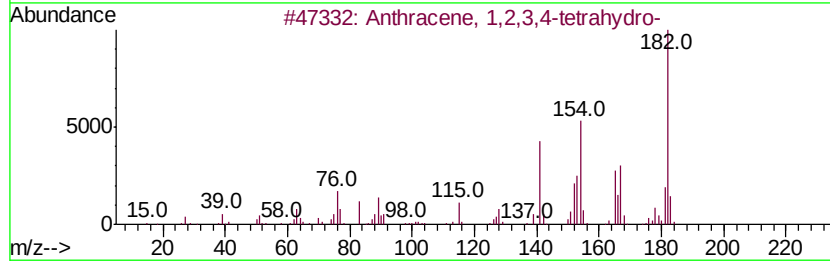
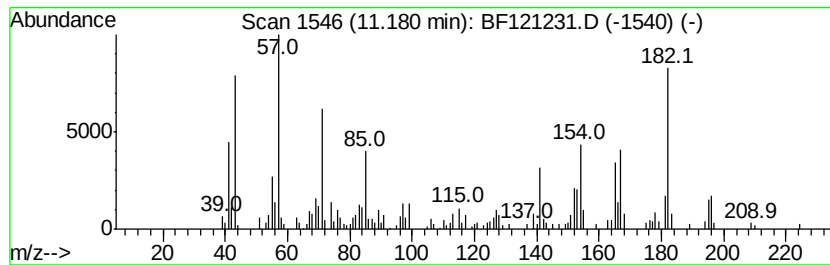
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.18	3.18 ng	190072	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	87
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4	4-Ethoxy-3-methoxybenzyl alcohol	182	C10H14O3	061813-58-9	30
5	7-Phosphabicyclo[2.2.1]hept-2-en...	182	C11H19P	1000151-83-5	25



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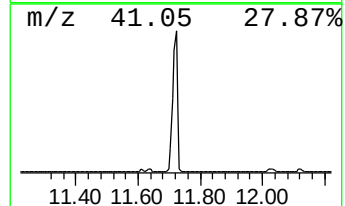
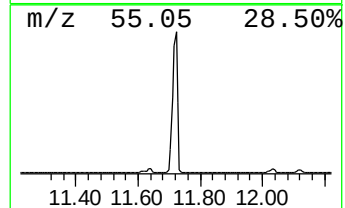
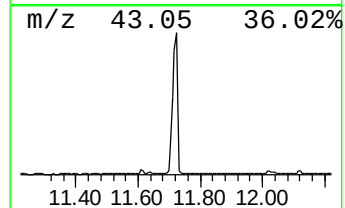
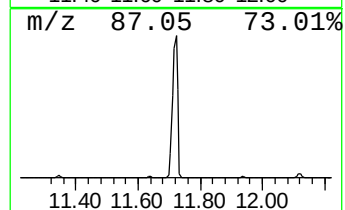
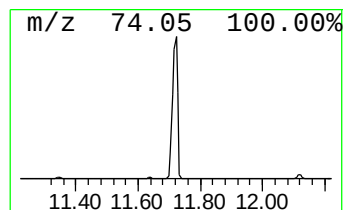
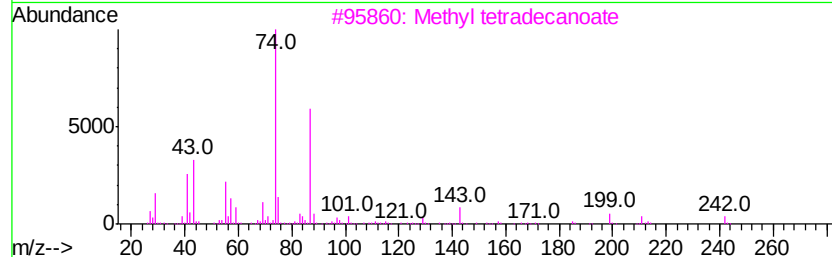
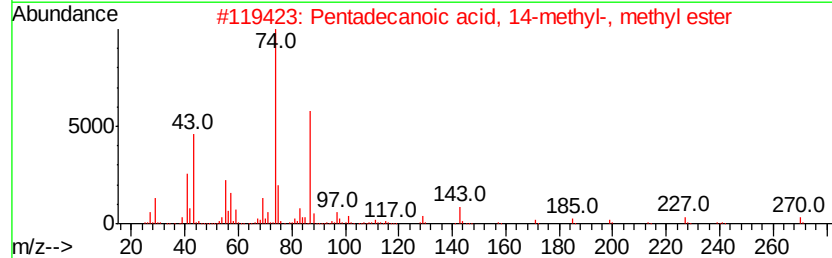
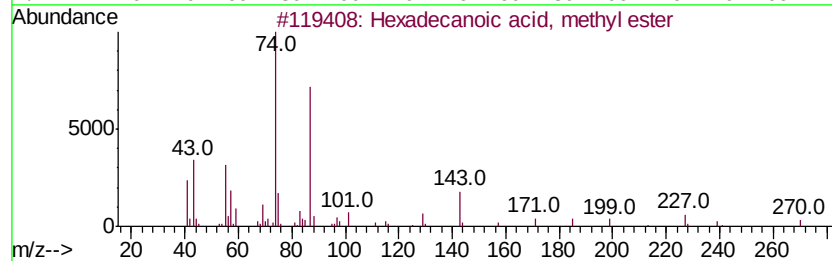
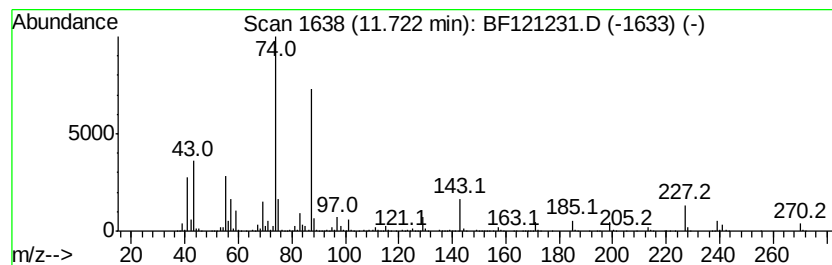
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	88.77 ng	5312060	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3		Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
5		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83



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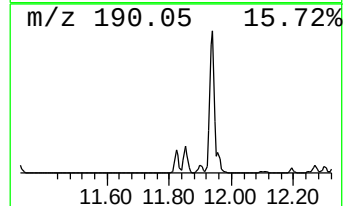
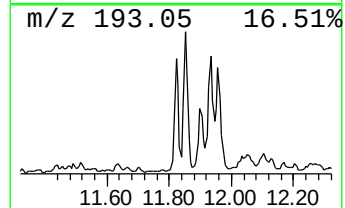
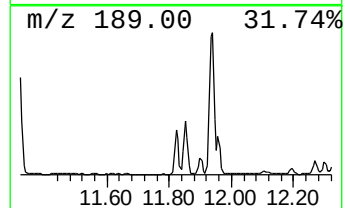
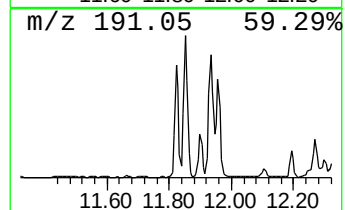
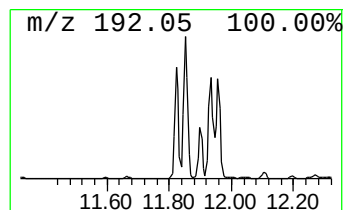
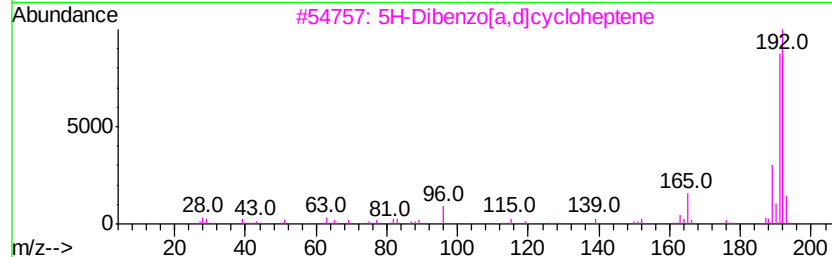
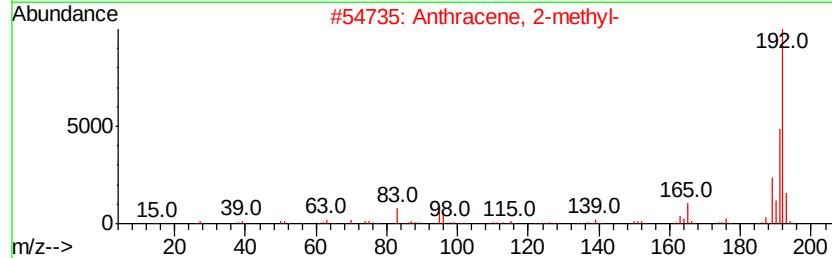
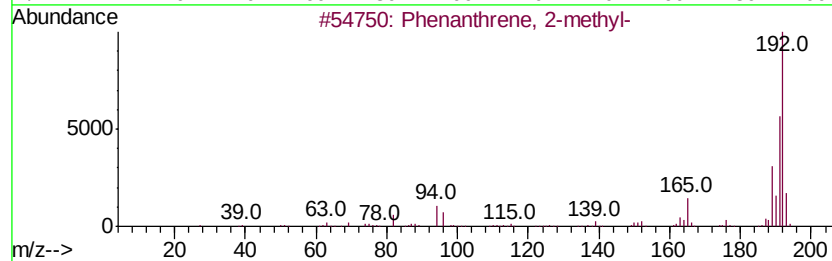
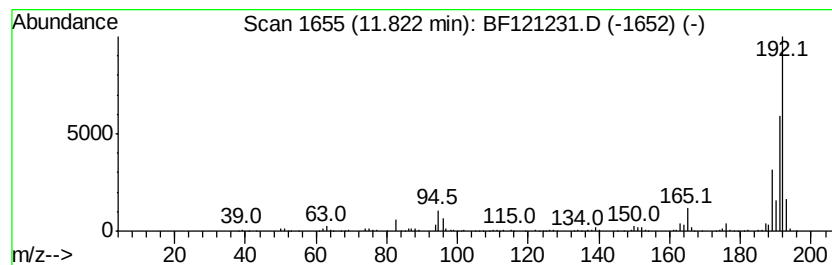
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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.32 ng	378087	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	94
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



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Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

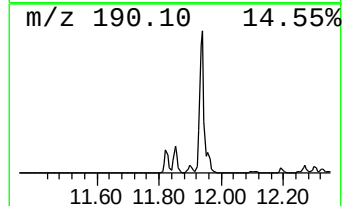
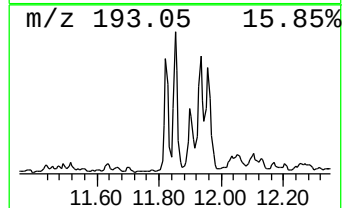
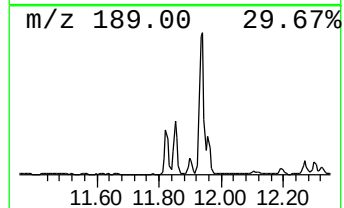
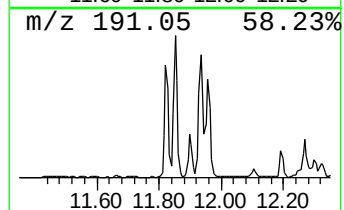
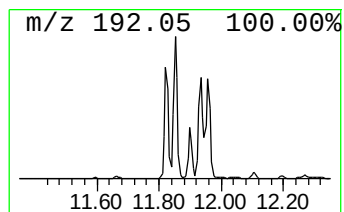
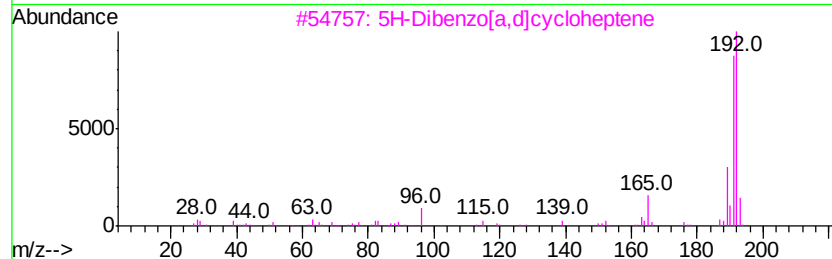
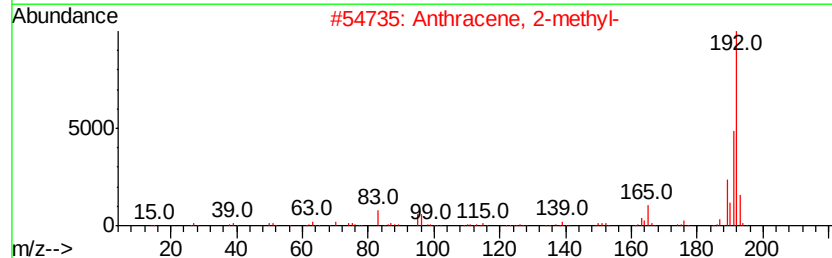
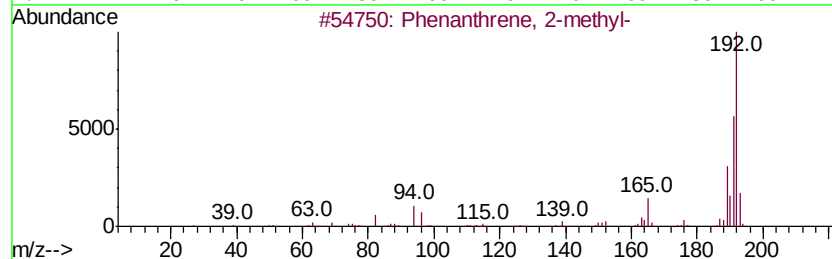
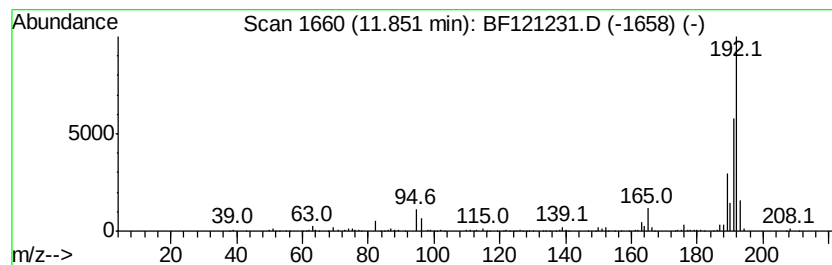
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.37 ng	440829	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
Acq On : 7 Aug 2020 14:59
Operator : JU/CG
Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

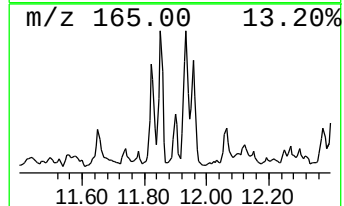
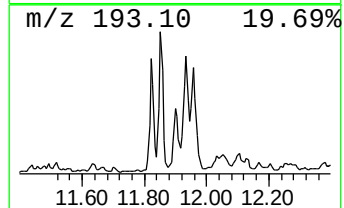
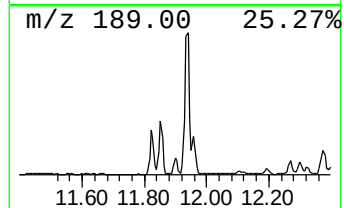
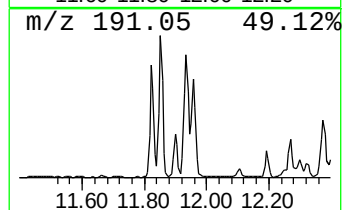
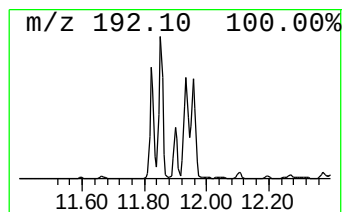
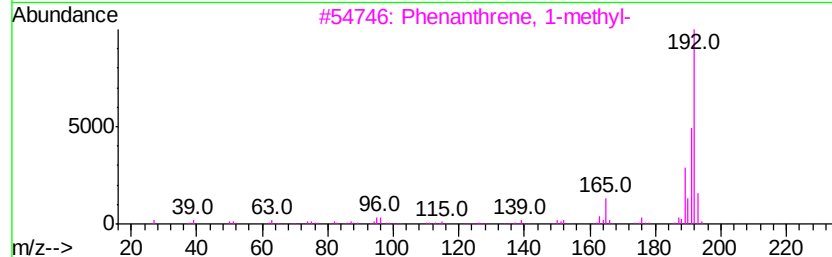
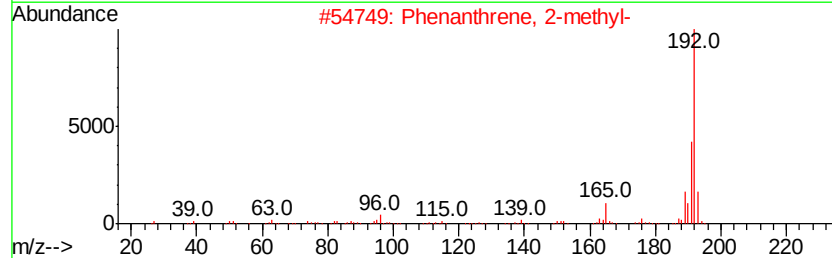
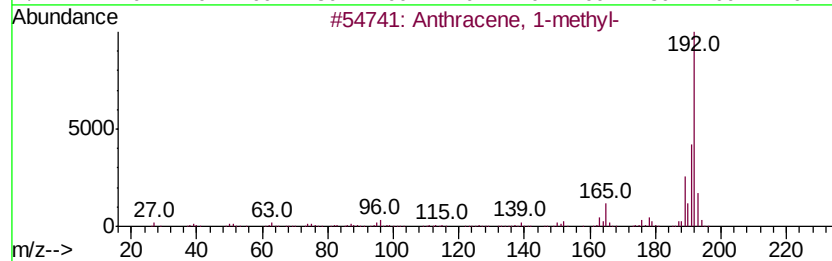
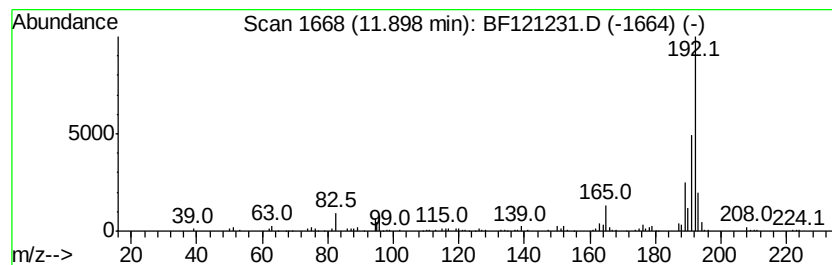
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	2.97 ng	177947	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

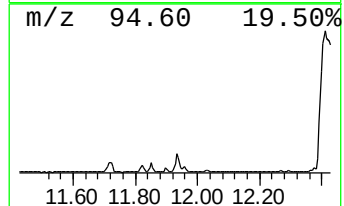
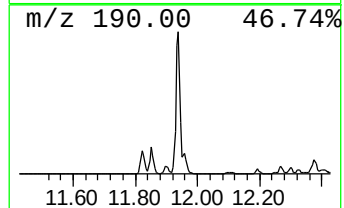
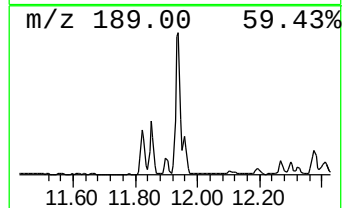
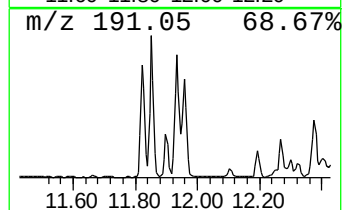
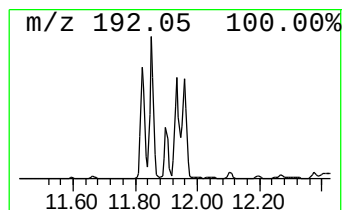
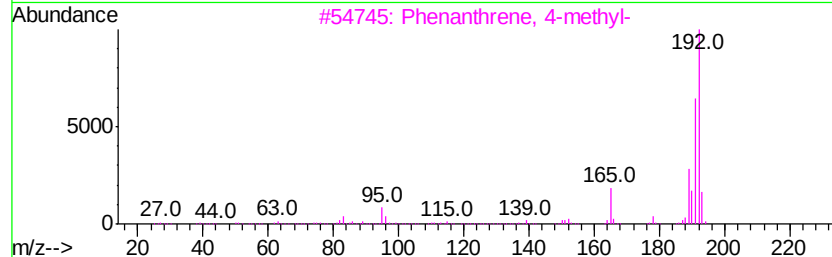
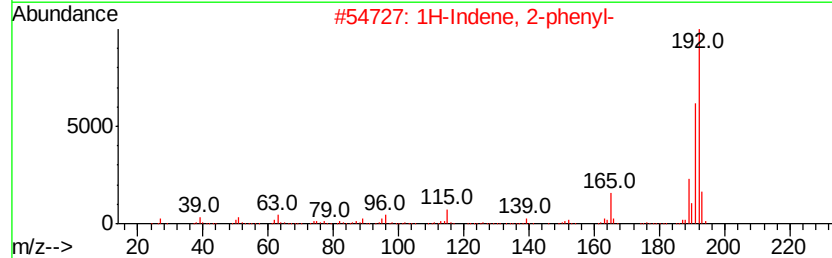
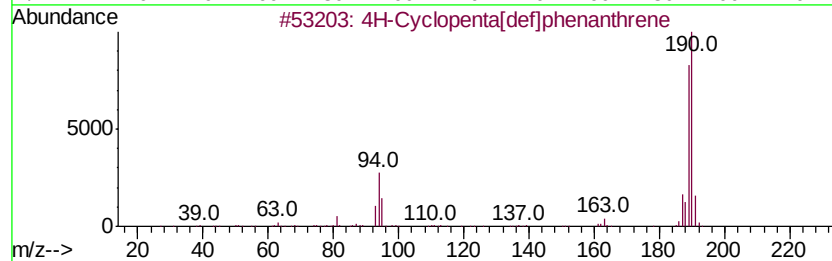
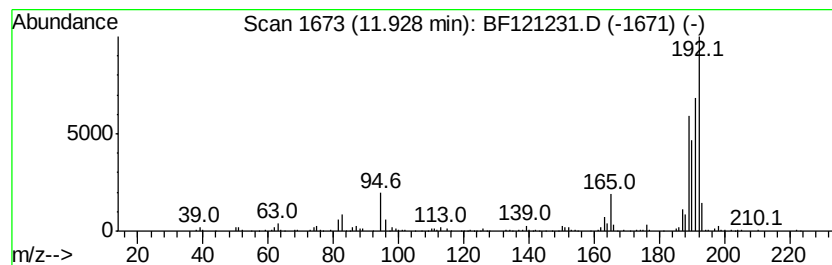
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	12.53 ng	749663	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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Operator : JU/CG
Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

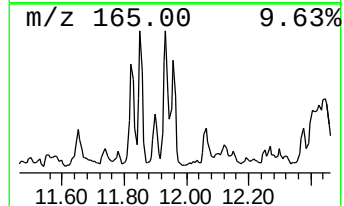
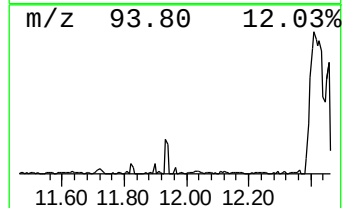
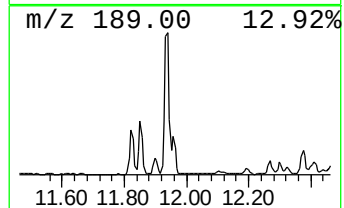
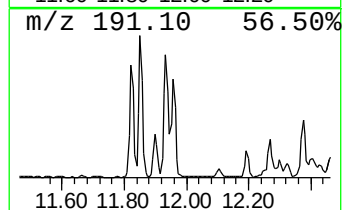
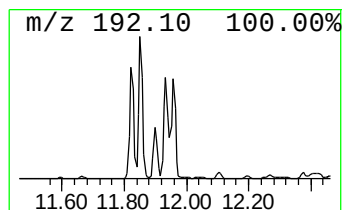
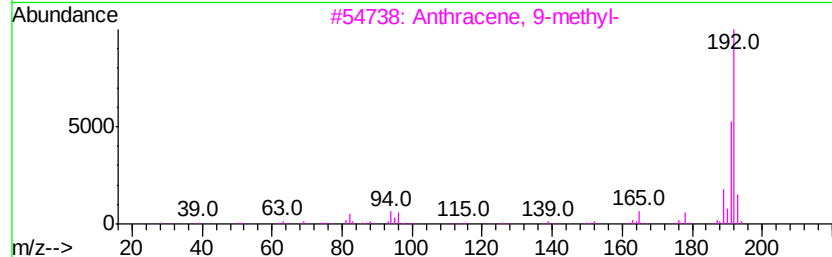
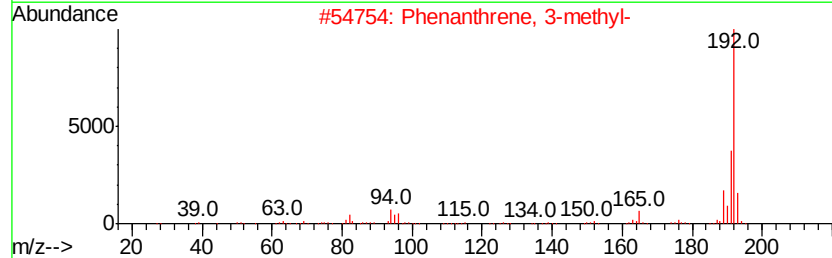
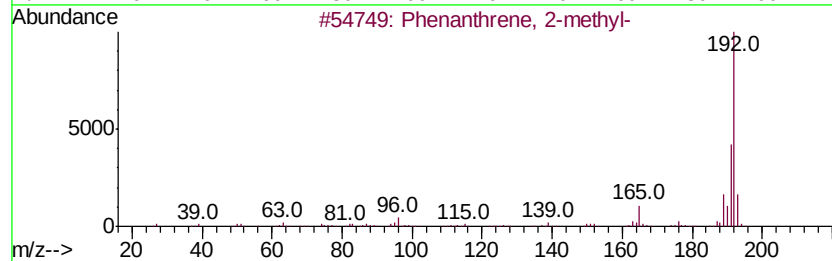
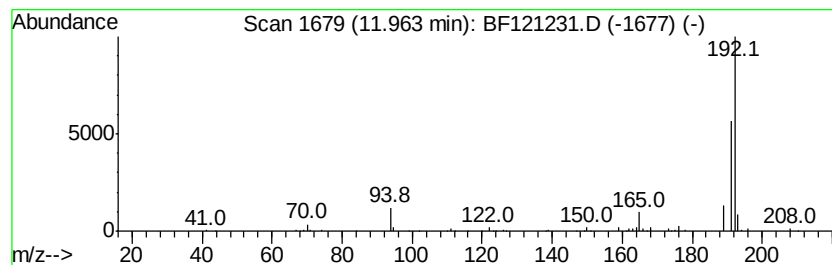
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.96	4.01 ng	239926	Phenanthrene-d10		11.32	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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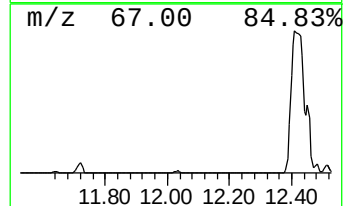
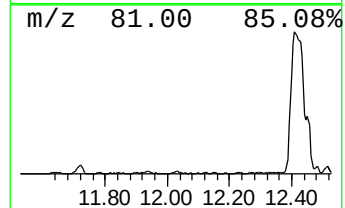
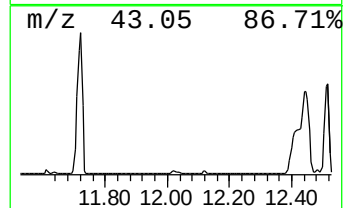
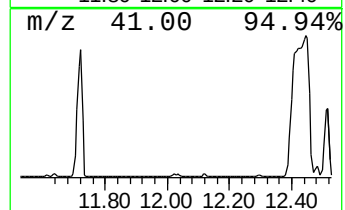
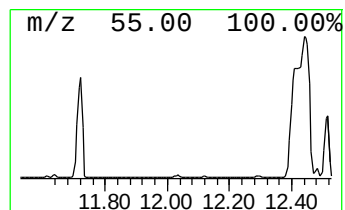
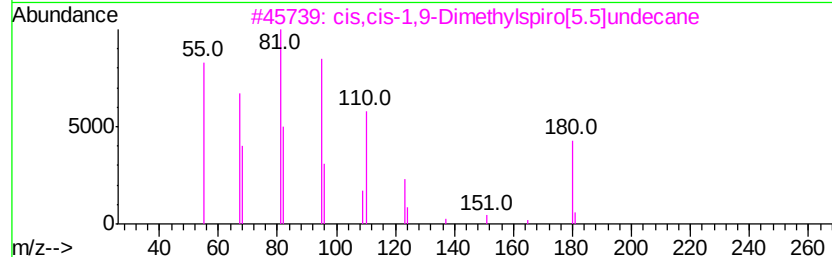
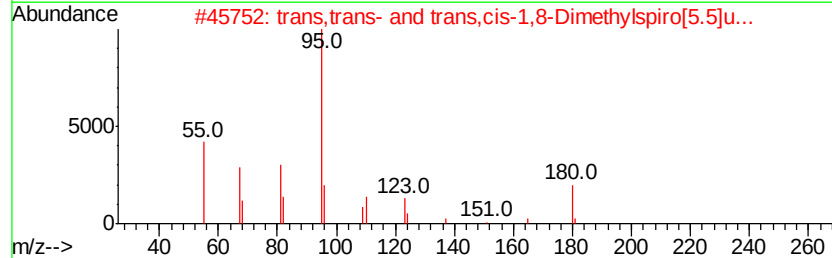
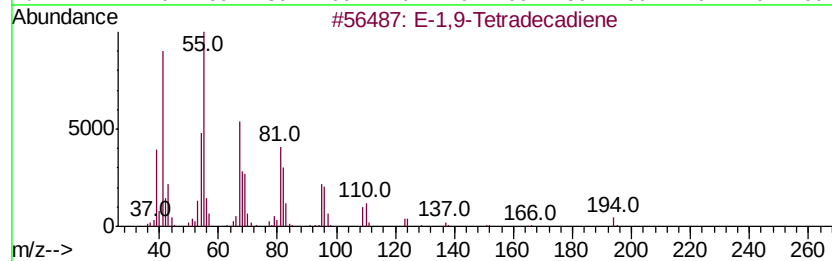
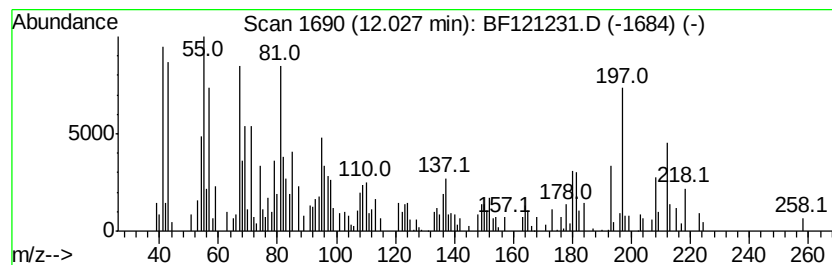
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 E-1,9-Tetradecadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.59 ng	215097	Phenanthrene-d10	11.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	E-1,9-Tetradecadiene	194 C14H26	1000245-70-7	90
2	trans,trans- and trans,cis-1,8-D...	180 C13H24	1000111-73-2	53
3	cis,cis-1,9-Dimethylspiro[5.5]un...	180 C13H24	1000111-73-4	53
4	5-Dodecyne	166 C12H22	019780-12-2	50
5	Cyclohexane, methylene-	96 C7H12	001192-37-6	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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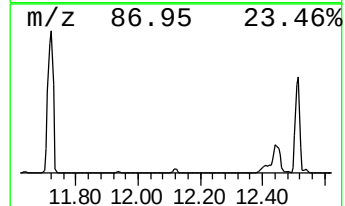
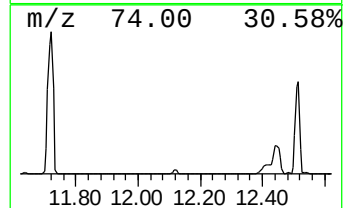
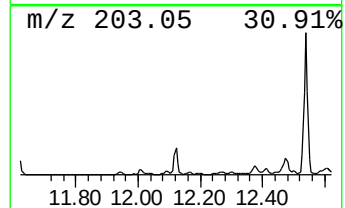
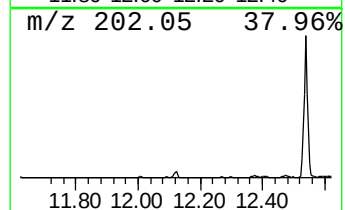
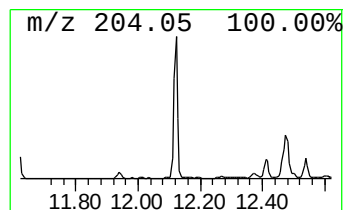
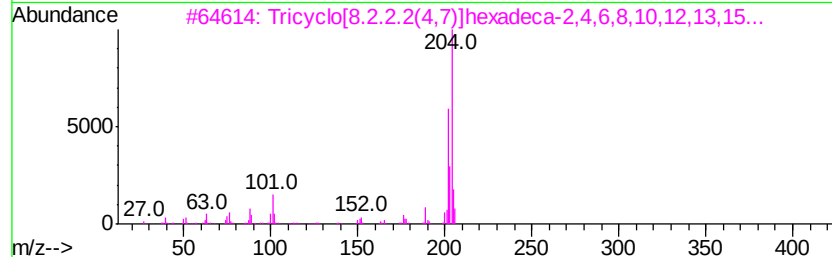
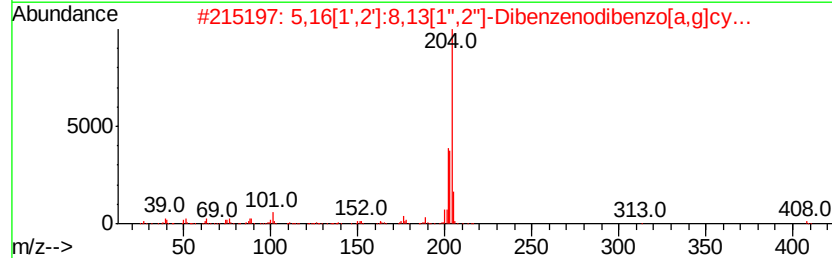
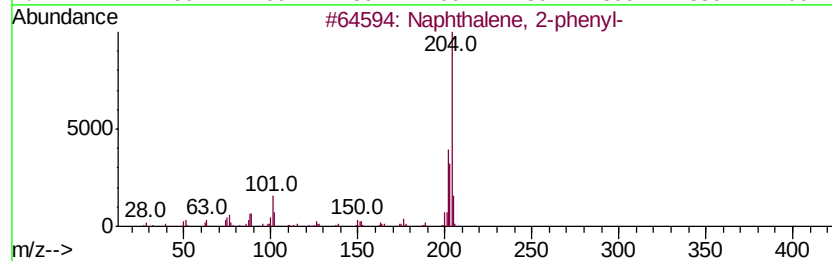
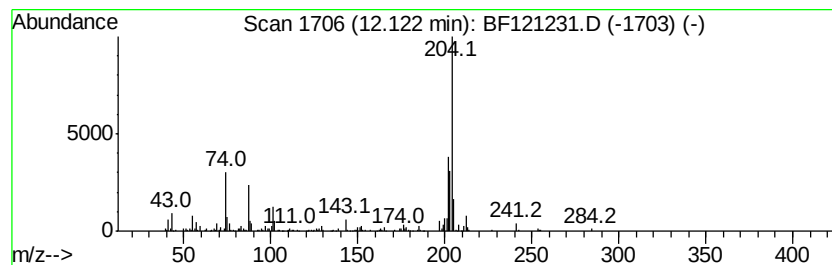
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.12	4.19 ng	250572	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	62
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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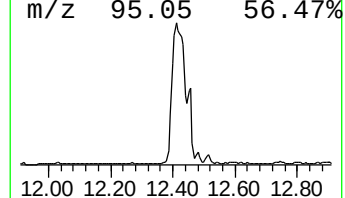
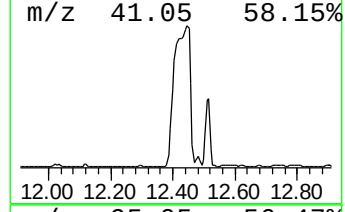
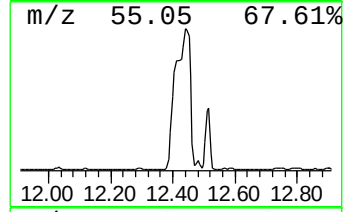
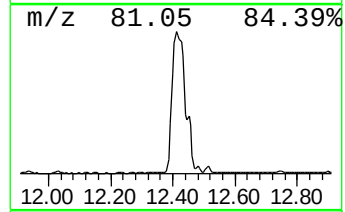
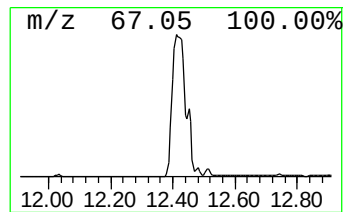
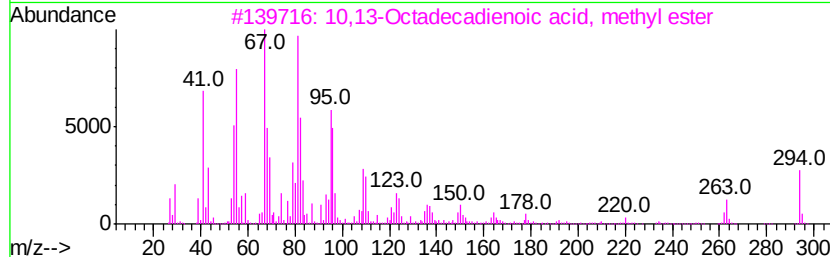
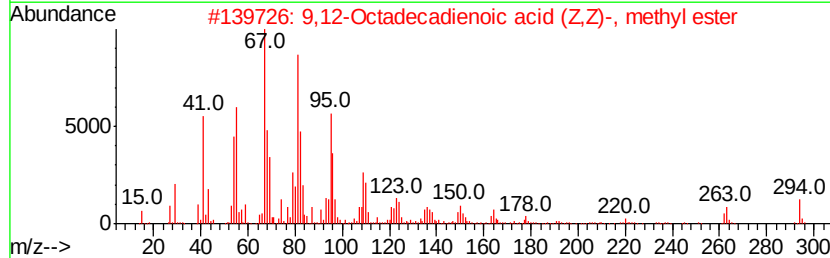
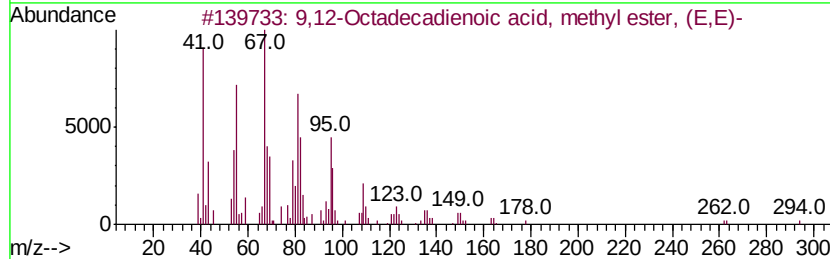
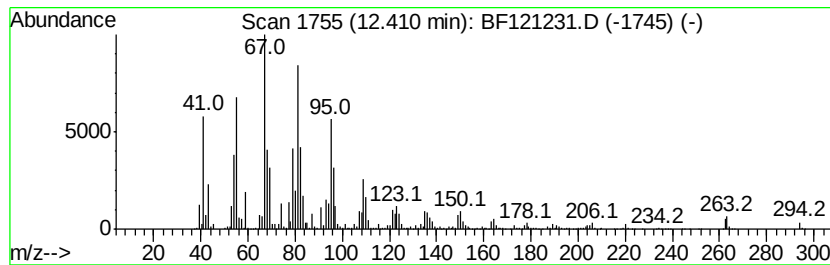
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.41	143.05 ng	8560060	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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Sample : L3508-01 5X
Misc :
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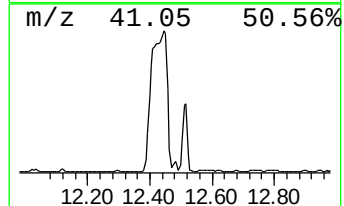
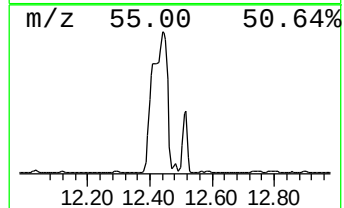
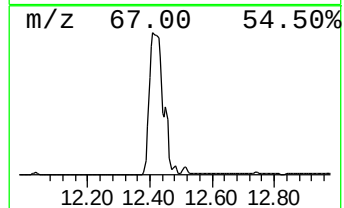
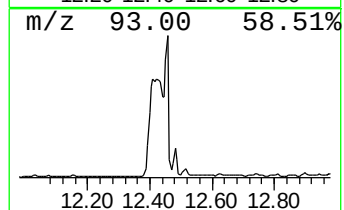
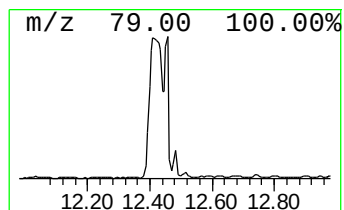
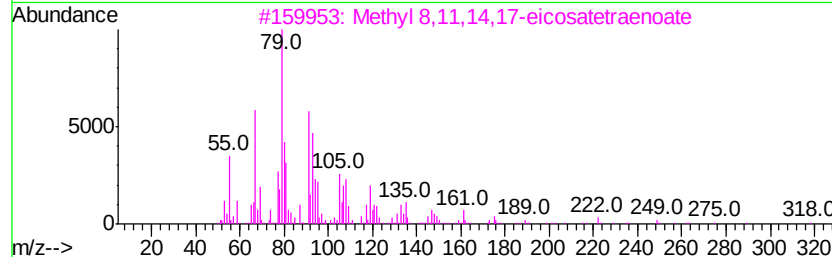
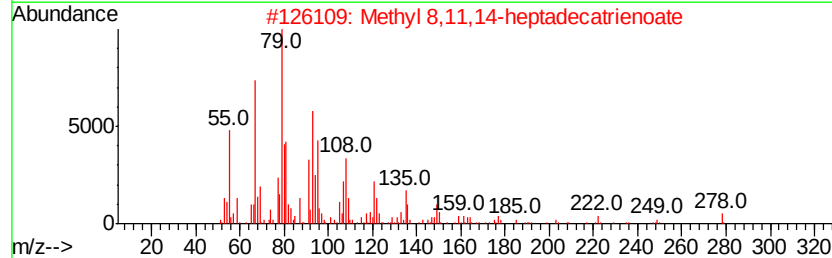
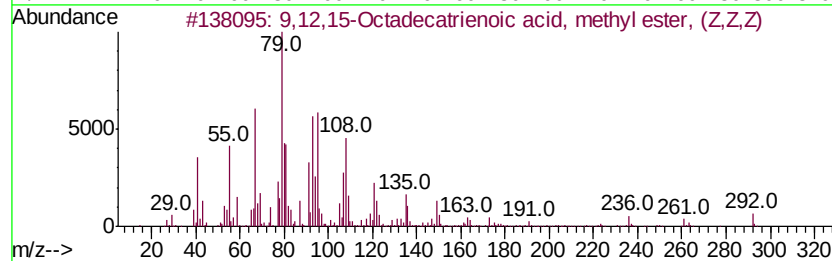
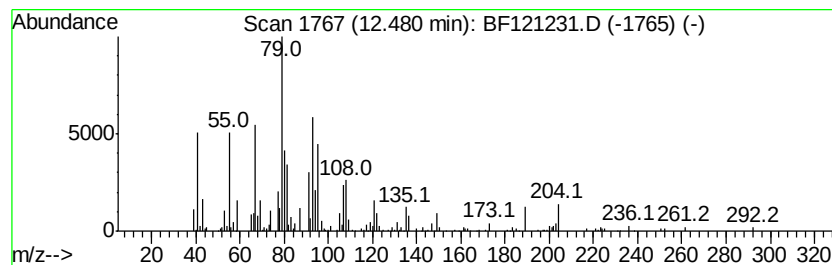
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,12,15-Octadecatrienoic ac... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.48	4.62 ng	276711	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	91
2	Methyl 8,11,14-heptadecatrienoate	278	C18H30O2	1000336-35-1	90
3	Methyl 8,11,14,17-eicosatetraenoate	318	C21H34O2	1000336-47-0	80
4	3-Heptadecen-5-yne, (Z)-	234	C17H30	074744-55-1	62
5	7-Propylidene-bicyclo[4.1.0]heptane	136	C10H16	082253-09-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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Sample : L3508-01 5X
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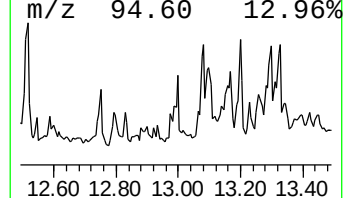
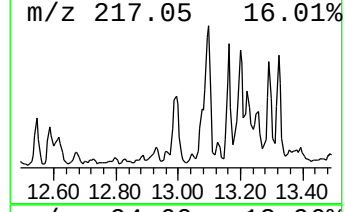
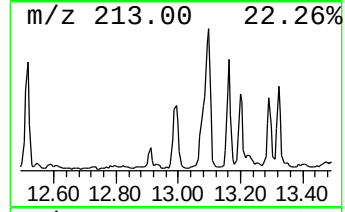
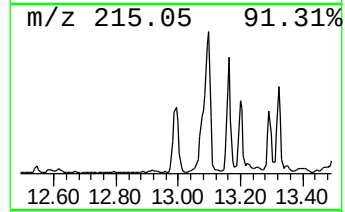
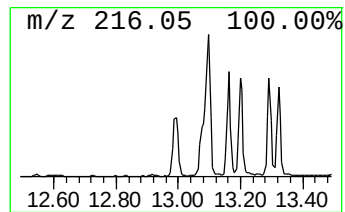
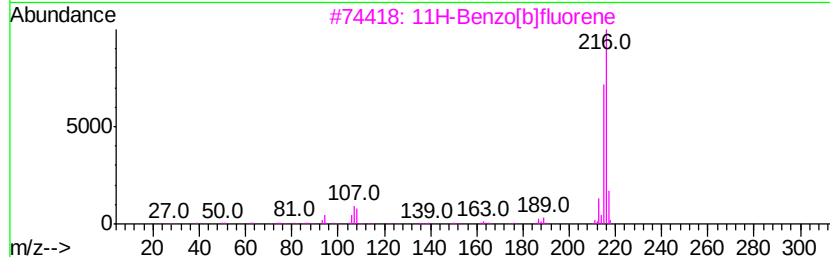
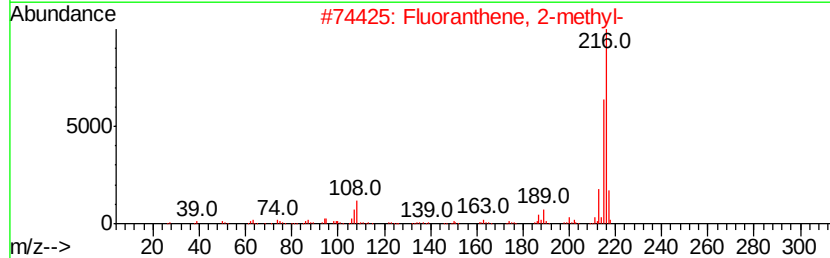
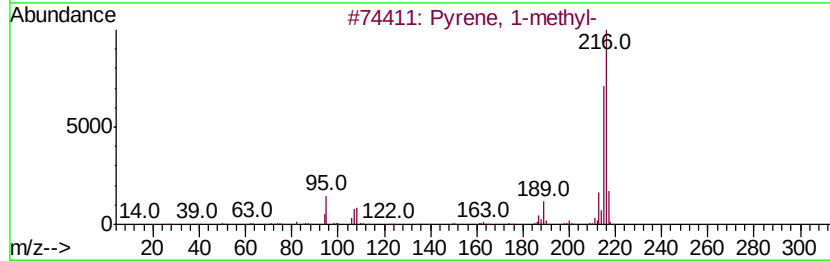
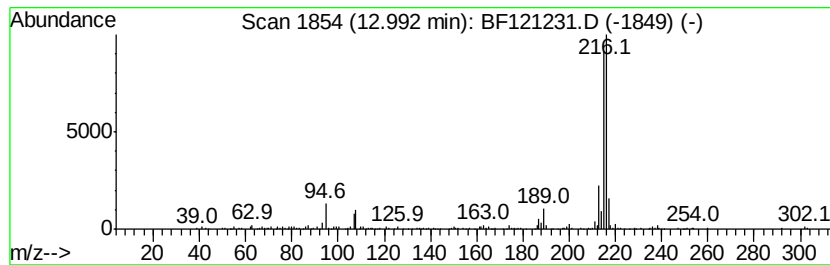
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	4.61 ng	376013	Chrysene-d12	13.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
Acq On : 7 Aug 2020 14:59
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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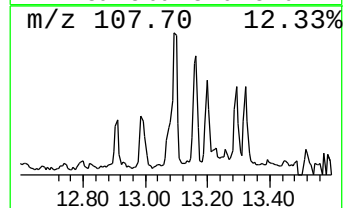
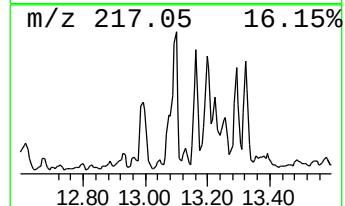
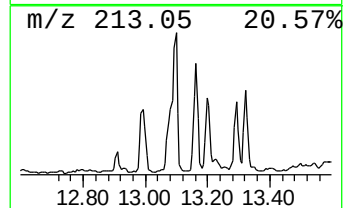
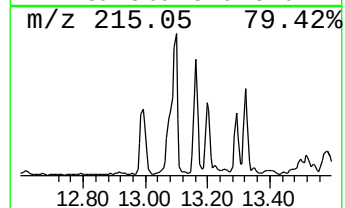
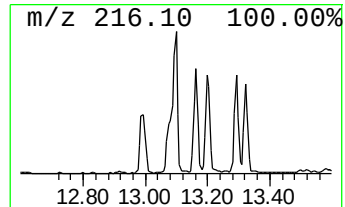
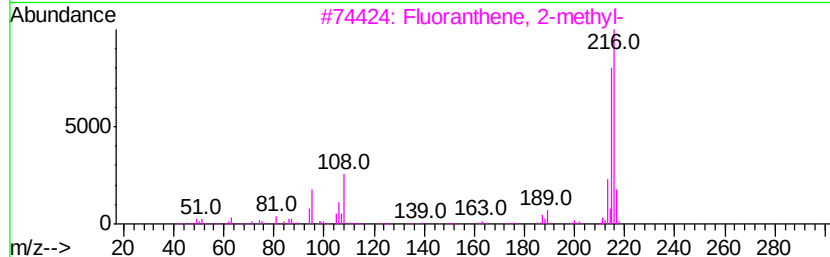
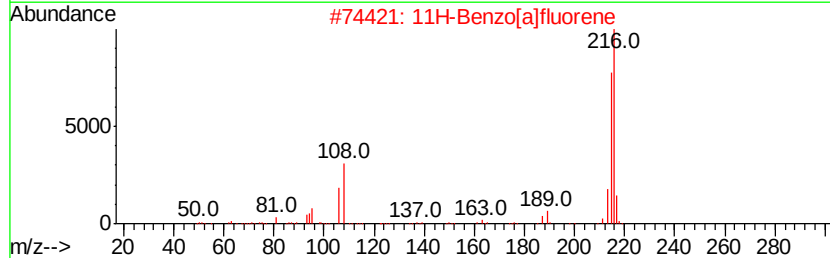
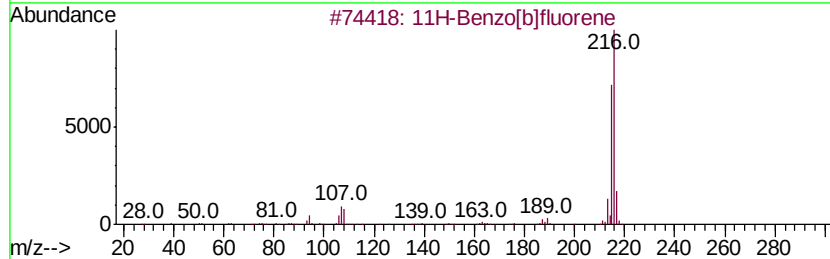
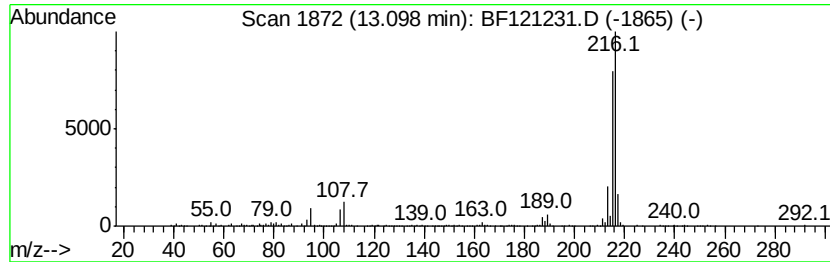
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	8.02 ng	654566	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
Acq On : 7 Aug 2020 14:59
Operator : JU/CG
Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

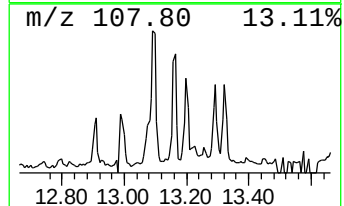
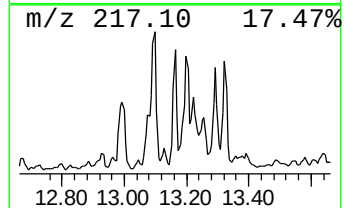
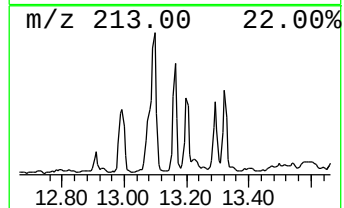
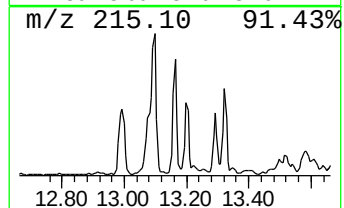
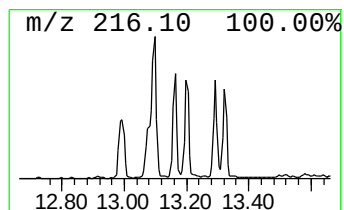
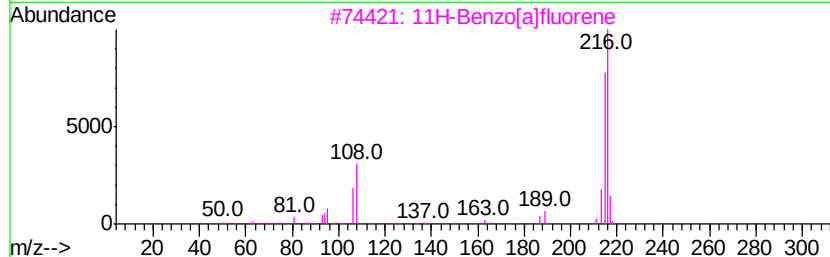
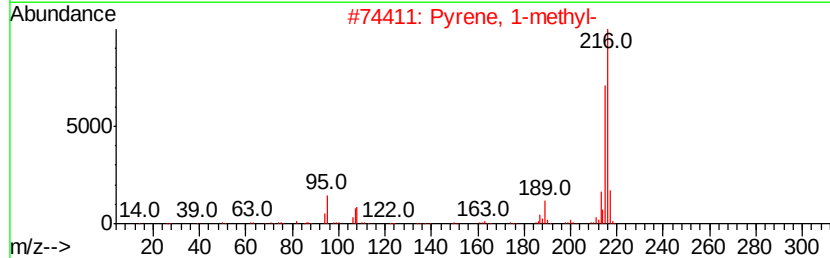
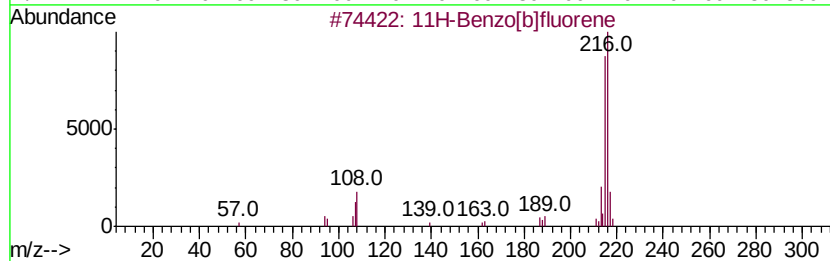
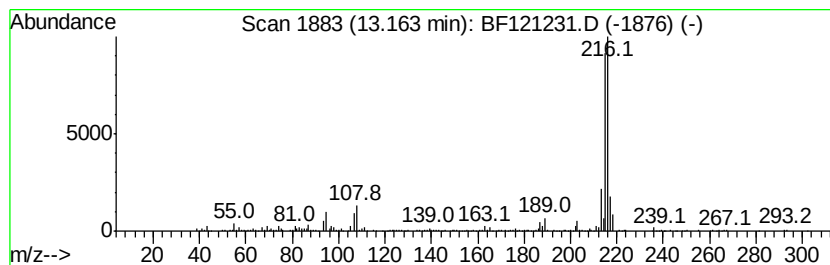
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.16	6.24 ng	509572	Chrysene-d12	13.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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Sample : L3508-01 5X
Misc :
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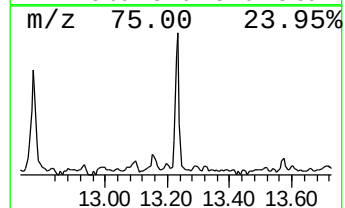
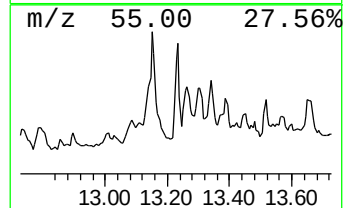
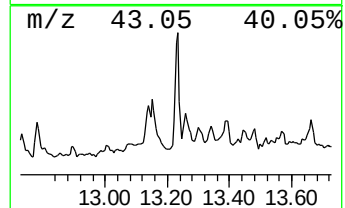
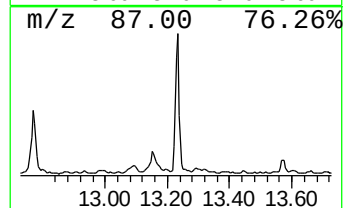
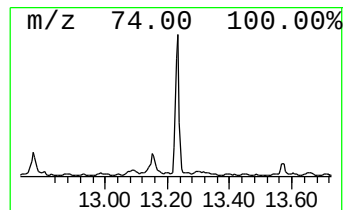
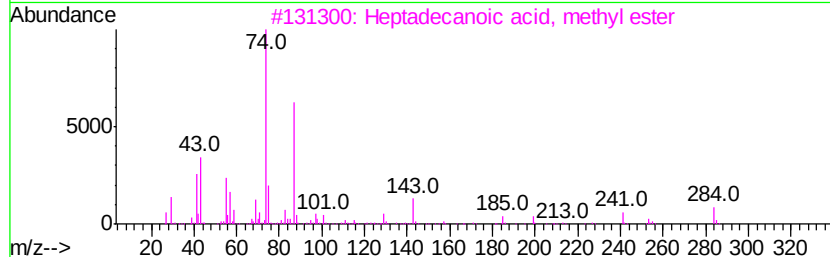
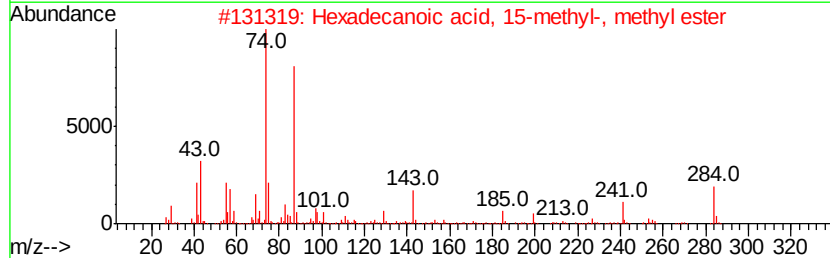
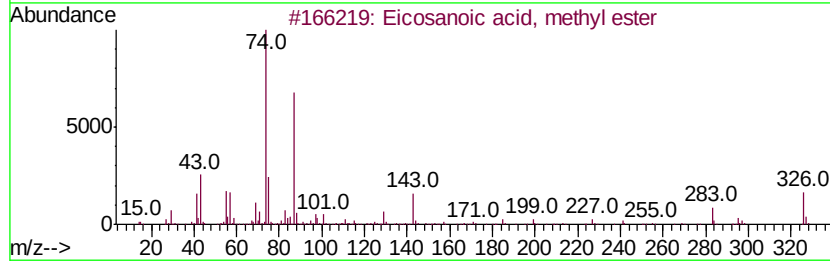
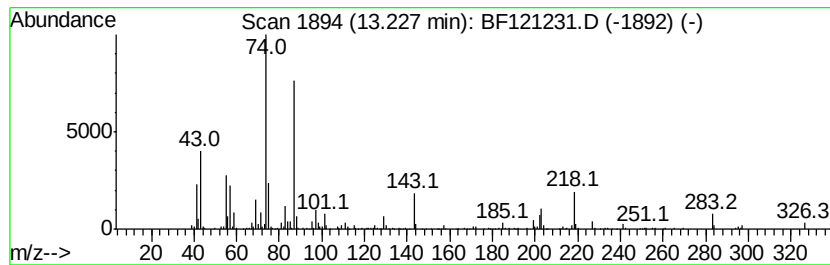
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Eicosanoic acid, methyl ester Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.23	3.37 ng	274941	Chrysene-d12	13.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	97
2		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	97
3		Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	93
4		Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
5		Hexadecanoic acid, 14-methyl-, m...	284	C18H36O2	002490-49-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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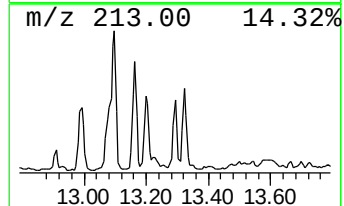
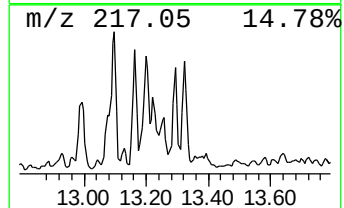
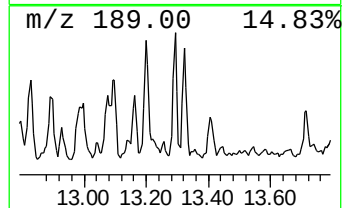
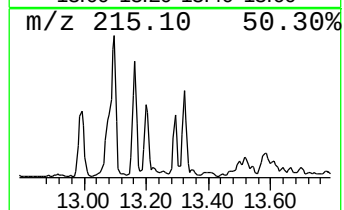
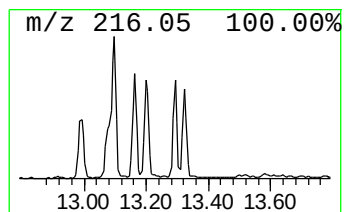
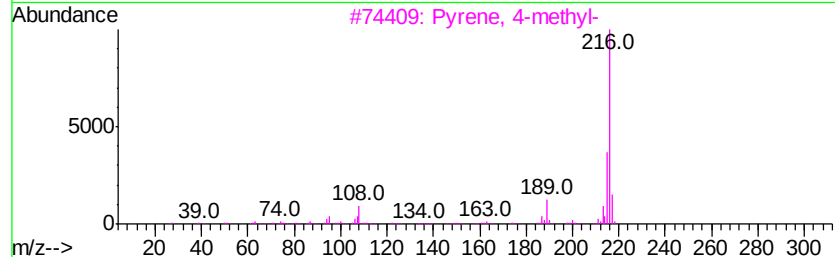
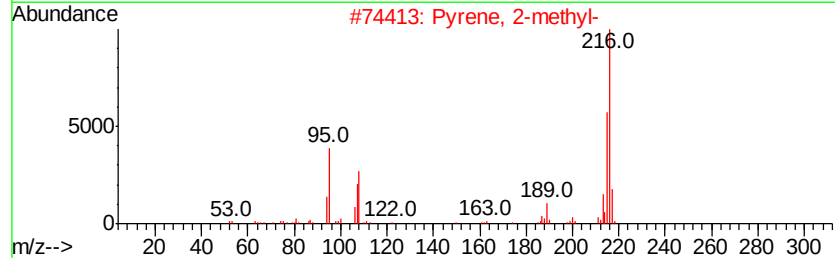
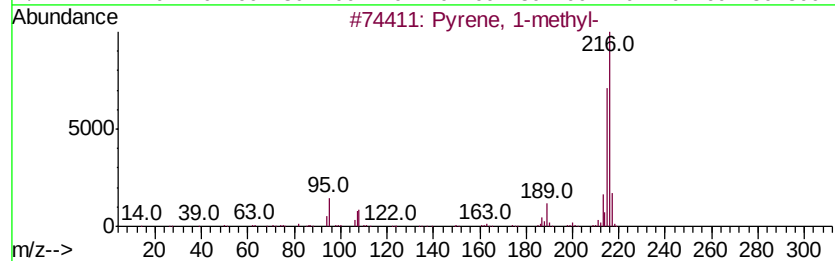
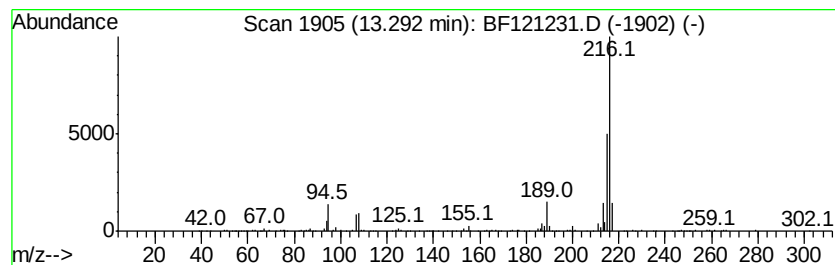
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.29	2.70 ng	220212	Chrysene-d12	13.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
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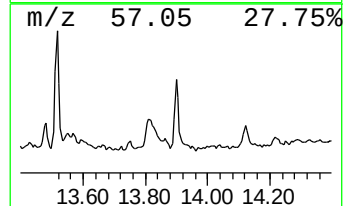
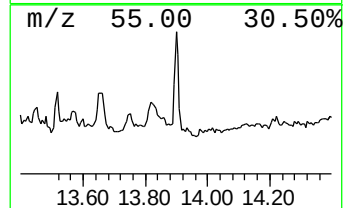
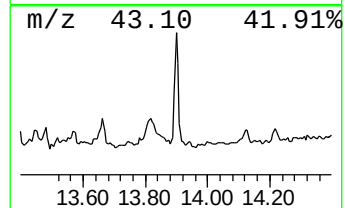
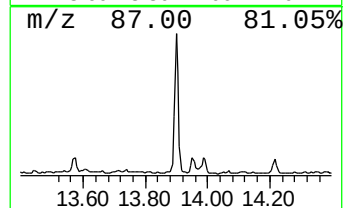
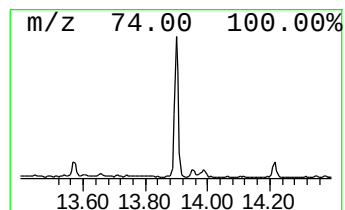
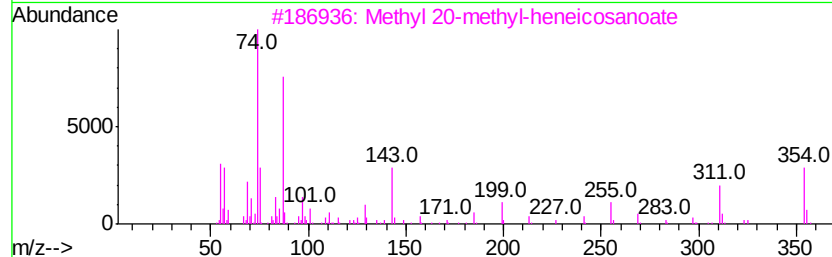
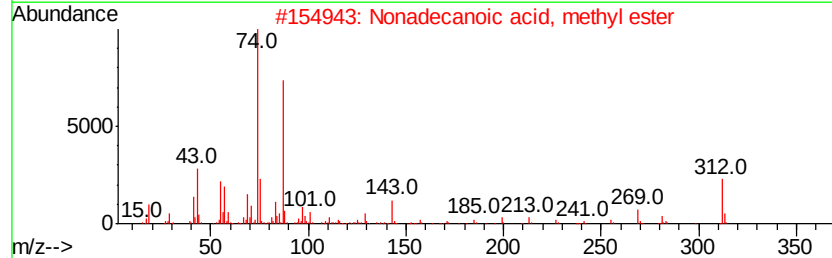
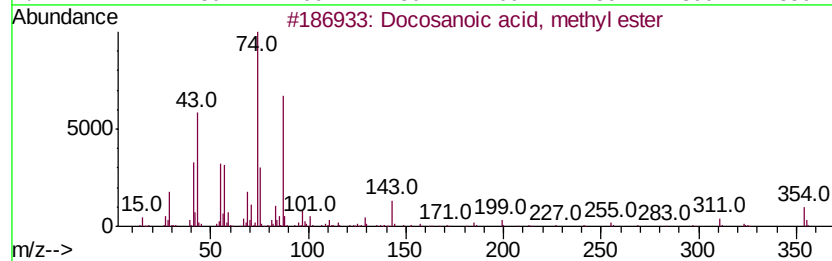
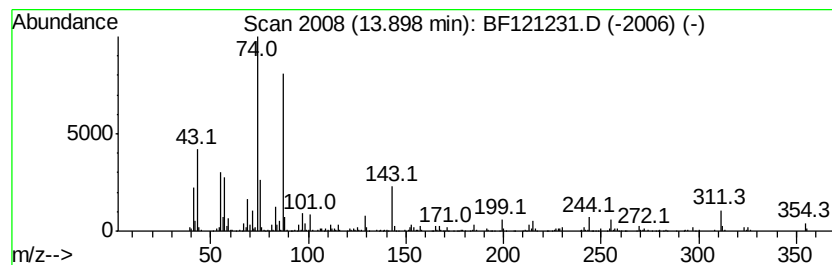
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TR-04-080620

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 18 Docosanoic acid, methyl ester Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.90	3.06 ng	250045	Chrysene-d12		13.96	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Docosanoic acid, methyl ester	354	C23H46O2	000929-77-1	99
2		Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	95
3		Methyl 20-methyl-heneicosanoate	354	C23H46O2	1000336-47-4	95
4		Heneicosanoic acid, methyl ester	340	C22H44O2	006064-90-0	87
5		Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
Acq On : 7 Aug 2020 14:59
Operator : JU/CG
Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

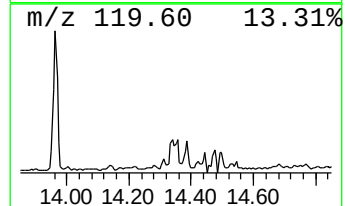
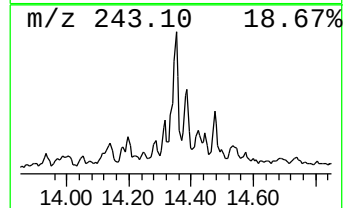
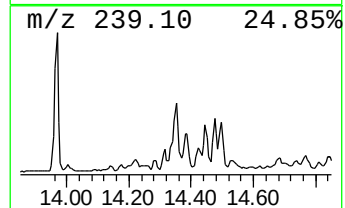
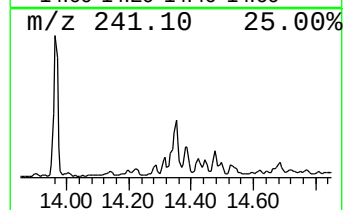
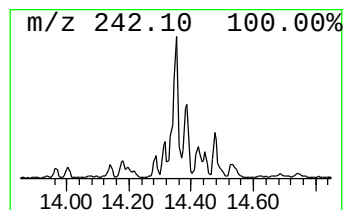
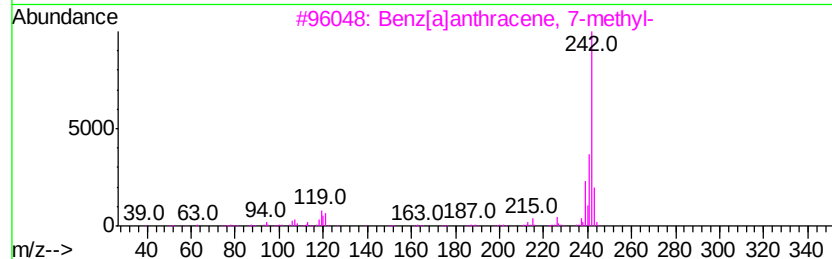
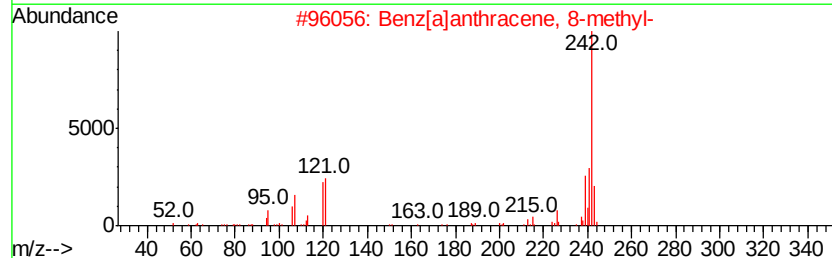
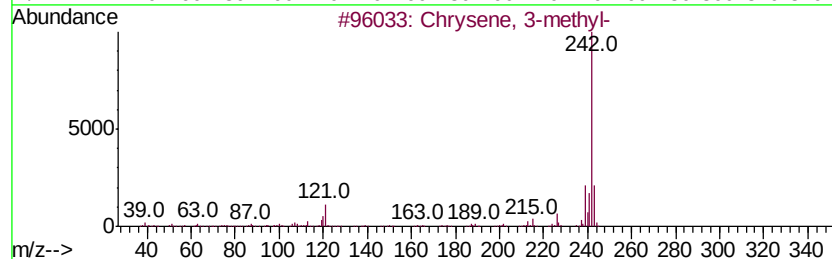
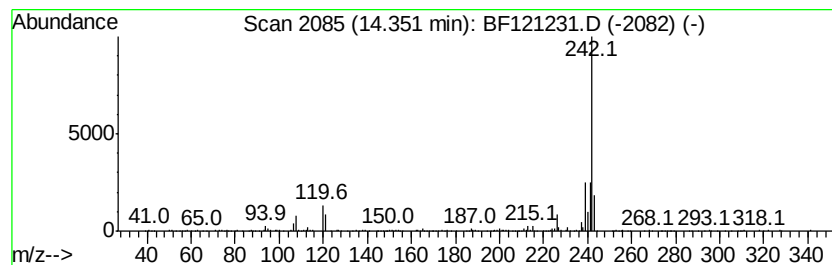
Instrument :
BNA_F
ClientSampleId :
TR-04-080620

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 19 Chrysene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.69 ng	219451	Chrysene-d12	13.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 3-methyl-	242 C19H14	003351-31-3 94
2		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 93
3		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 93
4		Chrysene, 5-methyl-	242 C19H14	003697-24-3 90
5		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121231.D
Acq On : 7 Aug 2020 14:59
Operator : JU/CG
Sample : L3508-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-080620

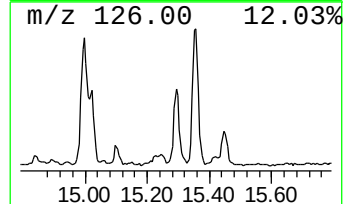
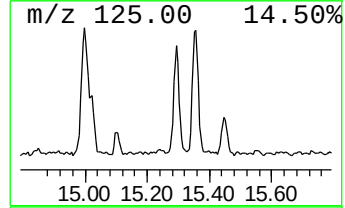
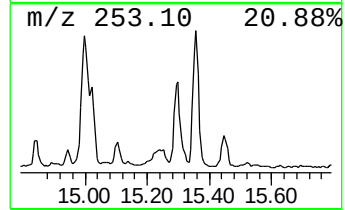
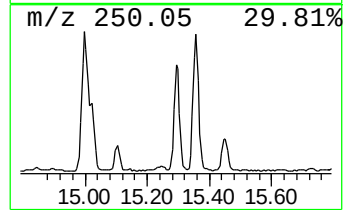
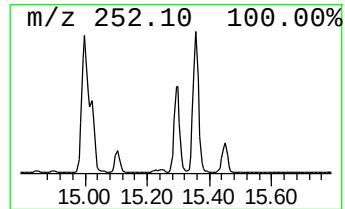
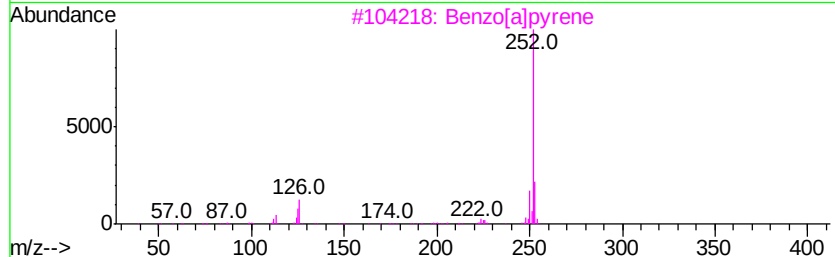
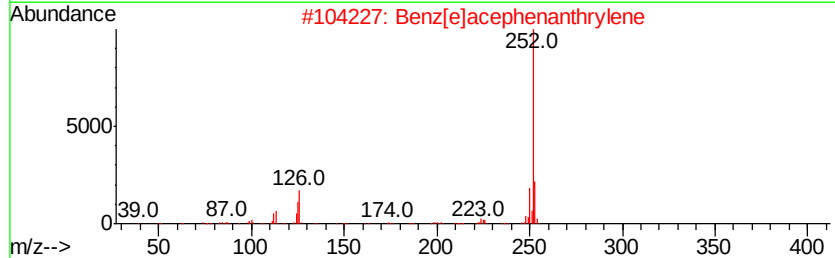
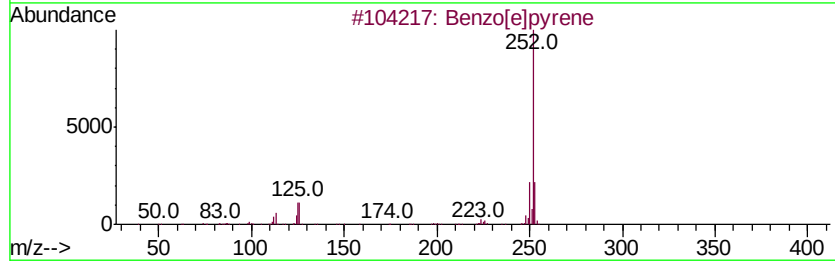
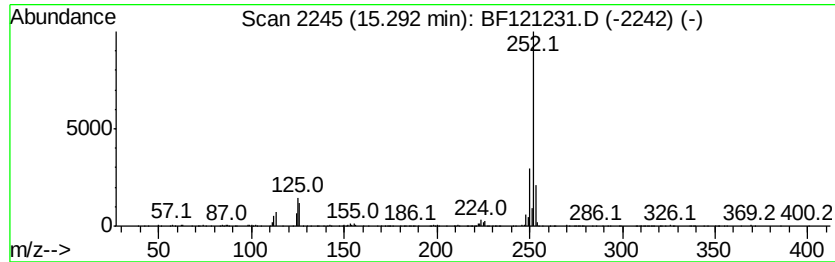
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	6.84 ng	359597	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



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 Operator : JU/CG
 Sample : L3508-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080620

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
Tetradecane	10.74	2.8 ng		165070	4	11.32	1196830	20.0
Anthracene, 1,2,3...	11.18	3.2 ng		190072	4	11.32	1196830	20.0
Hexadecanoic acid...	11.72	88.8 ng		5312060	4	11.32	1196830	20.0
Phenanthrene, 2-m...	11.82	6.3 ng		378087	4	11.32	1196830	20.0
Anthracene, 2-met...	11.85	7.4 ng		440829	4	11.32	1196830	20.0
Anthracene, 1-met...	11.90	3.0 ng		177947	4	11.32	1196830	20.0
4H-Cyclopenta[def...	11.93	12.5 ng		749663	4	11.32	1196830	20.0
Phenanthrene, 3-m...	11.96	4.0 ng		239926	4	11.32	1196830	20.0
E-1,9-Tetradecadiene	12.03	3.6 ng		215097	4	11.32	1196830	20.0
Naphthalene, 2-ph...	12.12	4.2 ng		250572	4	11.32	1196830	20.0
9,12-Octadecadien...	12.41	143.1 ng		8560060	4	11.32	1196830	20.0
9,12,15-Octadecat...	12.48	4.6 ng		276711	4	11.32	1196830	20.0
Fluoranthene, 2-m...	12.99	4.6 ng		376013	5	13.96	1632650	20.0
11H-Benzo[b]fluorene	13.10	8.0 ng		654566	5	13.96	1632650	20.0
11H-Benzo[a]fluorene	13.16	6.2 ng		509572	5	13.96	1632650	20.0
Eicosanoic acid, ...	13.23	3.4 ng		274941	5	13.96	1632650	20.0
Pyrene, 1-methyl-	13.29	2.7 ng		220212	5	13.96	1632650	20.0
Docosanoic acid, ...	13.90	3.1 ng		250045	5	13.96	1632650	20.0
Chrysene, 3-methyl-	14.35	2.7 ng		219451	5	13.96	1632650	20.0
Benzo[e]pyrene	15.29	6.8 ng		359597	6	15.42	1051160	20.0