LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126113.D
Acq On : 10 Nov 2021 18:15
Operator : JU/CG
Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-3

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126113.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	13	rVB	377465	460650	2.60%	0.285%
2	5.469	571	575	579	rBV	2476664	2251061	12.72%	1.391%
3	6.098	677	682	687	rBV	159702	180874	1.02%	0.112%
4	6.481	743	747	750	rBV	2691635	2263103	12.78%	1.399%
5	6.851	807	810	814	rBV	1285932	1069789	6.04%	0.661%
6	7.410	901	905	908	rBV	1642552	1405095	7.94%	0.868%
7	8.134	1023	1028	1031	rBV	1528204	1263539	7.14%	0.781%
8	8.198	1035	1039	1046	rBV	248893	283186	1.60%	0.175%
9	8.334	1056	1062	1067	rVB2	146793	204832	1.16%	0.127%
10	8.516	1084	1093	1096	rBV4	227907	489097	2.76%	0.302%
11	8.657	1111	1117	1121	rBV	226259	236345	1.34%	0.146%
12	9.210	1207	1211	1214	rBV	2995800	2359265	13.33%	1.458%
13	9.557	1262	1270	1275	rBV2	369951	756533	4.27%	0.468%
14	9.657	1275	1287	1290	rVV2	420519	1166532	6.59%	0.721%
15	9.692	1290	1293	1298	rVV5	111162	246816	1.39%	0.153%
16	9.886	1320	1326	1329	rBV	1501449	1552823	8.77%	0.960%
17	9.922	1329	1332	1336	rVB	844895	730898	4.13%	0.452%
18	10.092	1358	1361	1363	rVB	475255	356529	2.01%	0.220%
19	10.433	1416	1419	1424	rBV	1017294	902302	5.10%	0.558%
20	10.592	1444	1446	1450	rVB	328047	251894	1.42%	0.156%
21	10.675	1456	1460	1464	rBV	2052198	1775686	10.03%	1.098%
22	10.810	1479	1483	1488	rBV2	401088	519289	2.93%	0.321%
23	11.180	1543	1546	1550	rVB	615464	526951	2.98%	0.326%
24	11.222	1551	1553	1556	rBV4	184758	251651	1.42%	0.156%
25	11.275	1559	1562	1567	rVB2	816328	887480	5.01%	0.549%
26	11.380	1576	1580	1581	rBV	1177957	1222011	6.90%	0.755%
27	11.410	1581	1585	1588	rVV	10045653	10440650	58.98%	6.453%
28	11.451	1588	1592	1595	rVB	1328050	1191402	6.73%	0.736%
29	11.486	1595	1598	1601	rBV	480360	485283	2.74%	0.300%
30	11.604	1615	1618	1620	rVB	1043540	733586	4.14%	0.453%
31	11.880	1662	1665	1667	rBV	1238524	952659	5.38%	0.589%
32	11.910	1667	1670	1674	rVB	1849995	1587917	8.97%	0.981%
33	11.957	1676	1678	1680	rVV	328386	258473	1.46%	0.160%
34	11.992	1681	1684	1686	rVV2	2314818	2288991	12.93%	1.415%
35	12.016	1686	1688	1692	rVB	851248	686577	3.88%	0.424%
36	12.175	1713	1715	1717	rBV	1008270	971435	5.49%	0.600%

LSC Area Percent Report

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Instrument :
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ClientSampleId :
DW-3

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.204	1717	1720	1726	rVB	2447524	2271683	12.83%	1.404%
38	12.327	1738	1741	1743	rVB	488067	439553	2.48%	0.272%
39	12.433	1756	1759	1762	rBV2	548204	696229	3.93%	0.430%
40	12.516	1771	1773	1778	rVB2	609093	740058	4.18%	0.457%
41	12.610	1782	1789	1792	rBV	12463829	17702646	100.00%	10.942%
42	12.639	1792	1794	1800	rVB2	2691674	2498712	14.11%	1.544%
43	12.839	1821	1828	1831	rBV3	10703705	17047332	96.30%	10.537%
44	12.874	1831	1834	1840	rVB2	781154	912307	5.15%	0.564%
45	12.945	1843	1846	1847	rBV	934635	811675	4.59%	0.502%
46	12.963	1847	1849	1852	rVV	1959362	1530869	8.65%	0.946%
47	13.045	1858	1863	1866	rBV2	959077	1623428	9.17%	1.003%
48	13.127	1875	1877	1879	rBV2	916278	984449	5.56%	0.608%
49	13.157	1879	1882	1885	rVB	2754538	2462549	13.91%	1.522%
50	13.222	1890	1893	1895	rBV	2153564	1842164	10.41%	1.139%
51	13.257	1896	1899	1902	rVV3	1244622	1280265	7.23%	0.791%
52	13.380	1918	1920	1923	rBV2	543575	481466	2.72%	0.298%
53	13.663	1965	1968	1973	rVB	1512695	1635469	9.24%	1.011%
54	13.774	1984	1987	1989	rBV2	1231963	1318811	7.45%	0.815%
55	13.804	1989	1992	1994	rVV	1267856	1028114	5.81%	0.635%
56	13.827	1994	1996	2000	rVV2	1081334	1392813	7.87%	0.861%
57	13.869	2001	2003	2007	rVB	1761815	1495728	8.45%	0.924%
58	14.021	2023	2029	2032	rBV3	5846169	10710079	60.50%	6.620%
59	14.063	2032	2036	2040	rVB	7811250	9315547	52.62%	5.758%
60	14.133	2046	2048	2051	rBV	948435	733061	4.14%	0.453%
61	14.451	2100	2102	2105	rVB2	1130134	990808	5.60%	0.612%
62	14.492	2105	2109	2114	rBV3	3618336	3982232	22.50%	2.461%
63	14.539	2115	2117	2119	rBV	903677	729975	4.12%	0.451%
64	15.086	2203	2210	2213	rBV	5390738	10450153	59.03%	6.459%
65	15.180	2224	2226	2230	rVB	798332	808113	4.56%	0.499%
66	15.386	2255	2261	2266	rVB	3136856	4831526	27.29%	2.986%
67	15.451	2267	2272	2277	rVV	3907933	5358189	30.27%	3.312%
68	15.504	2278	2281	2283	rVV	851059	1031814	5.83%	0.638%
69	15.539	2284	2287	2293	rVB2	1050765	1413283	7.98%	0.874%
70	16.210	2398	2401	2414	rVB6	631781	1586521	8.96%	0.981%
71	16.986	2526	2533	2538	rVB2	1762152	3659350	20.67%	2.262%
72	17.433	2601	2609	2618	rVB	1165390	2782166	15.72%	1.720%

Sum of corrected areas: 161790341

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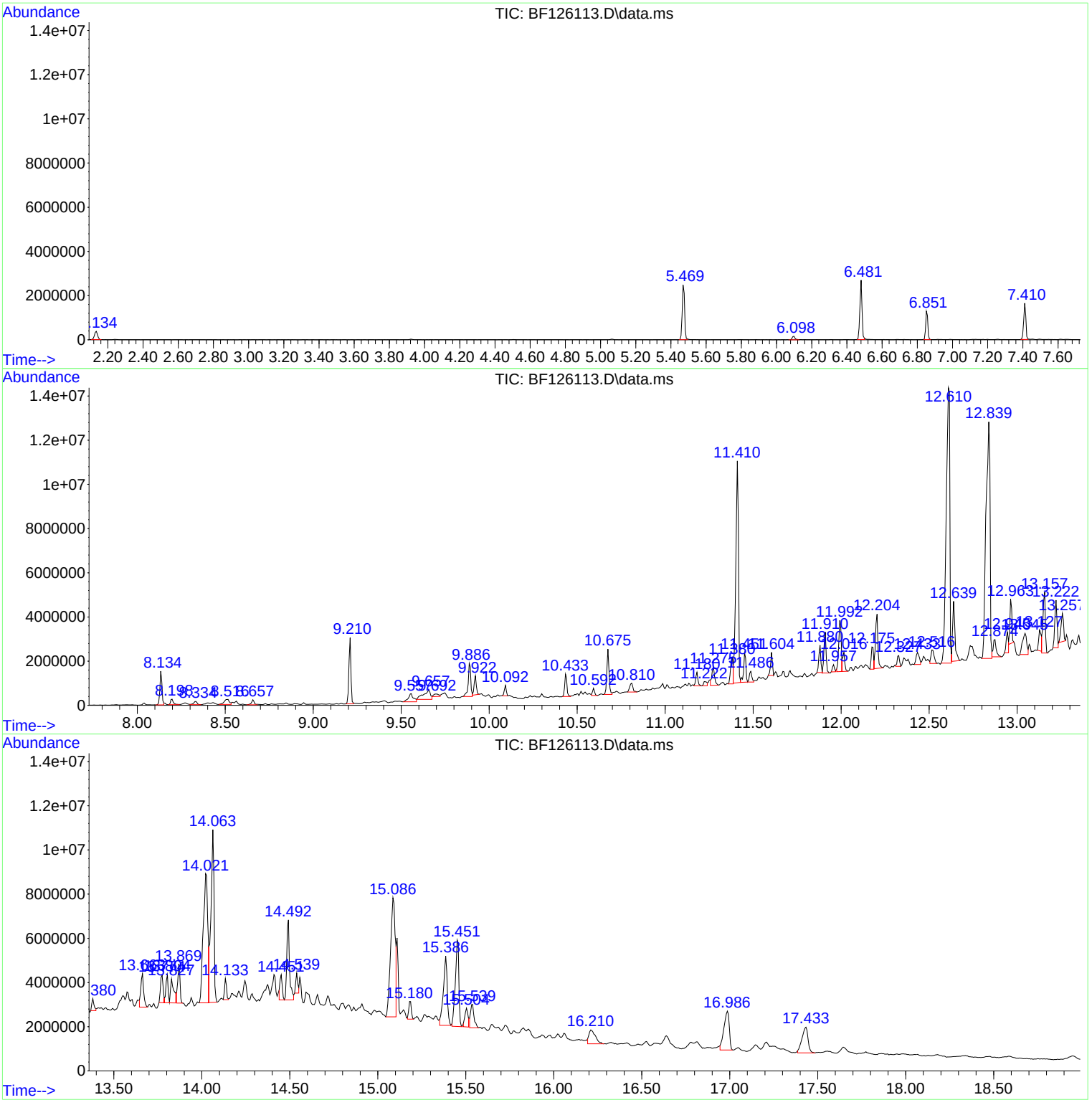
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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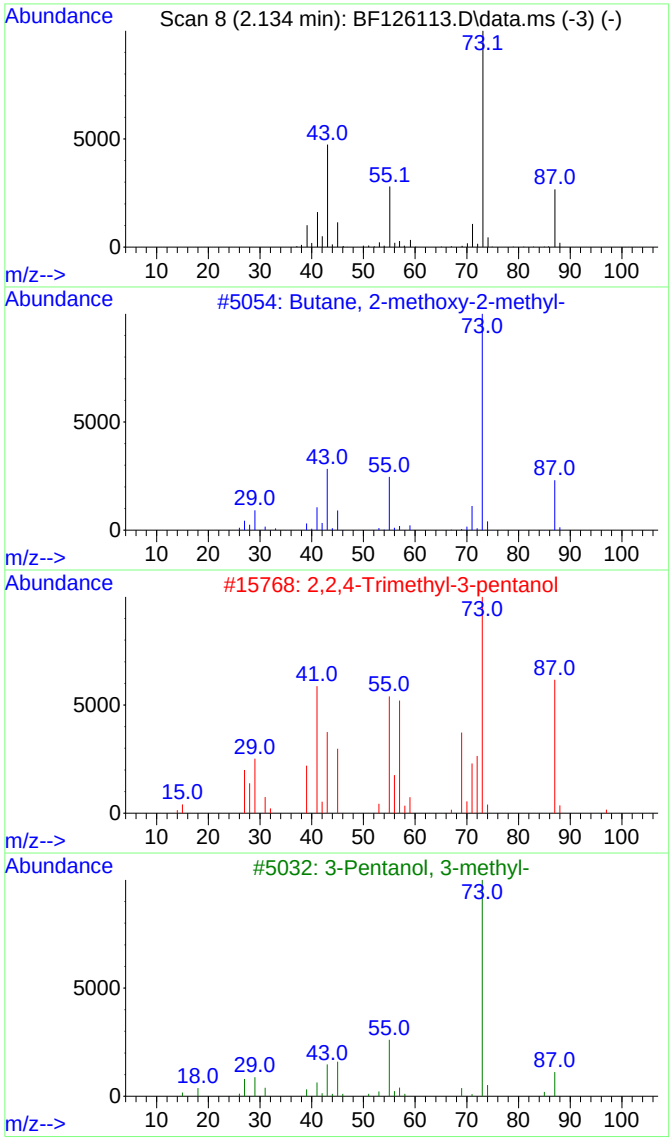
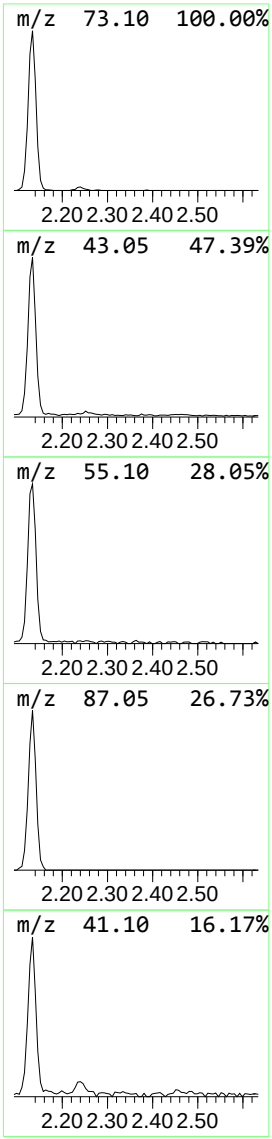
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	8.61 ng	460650	1,4-Dichlorobenzene-d4	6.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
4	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	38
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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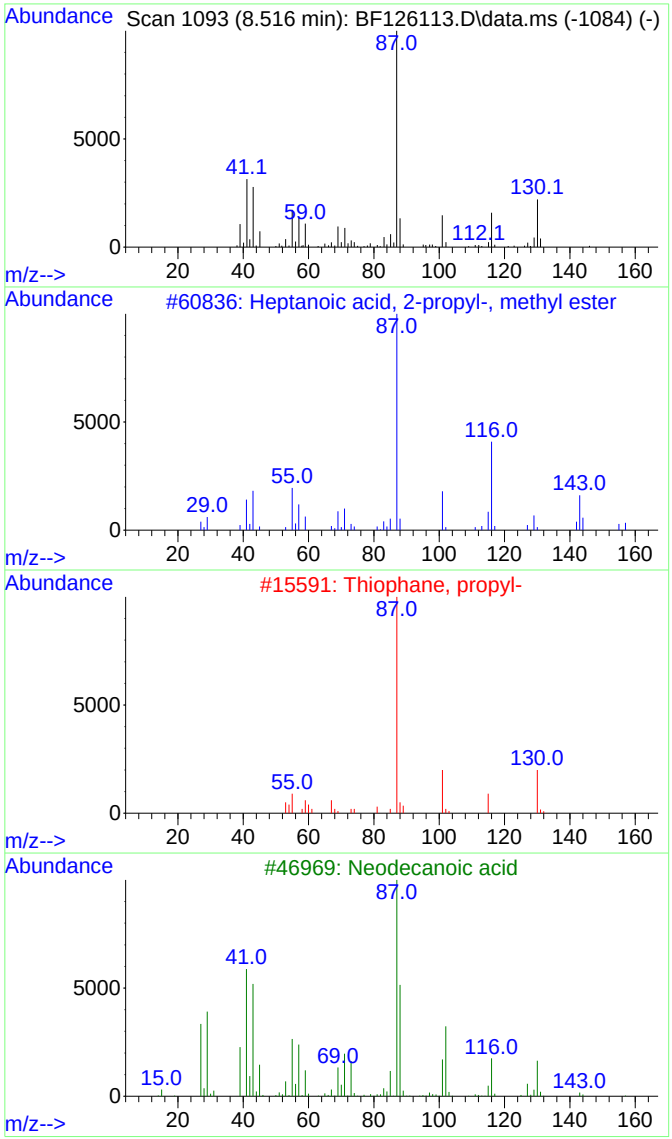
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

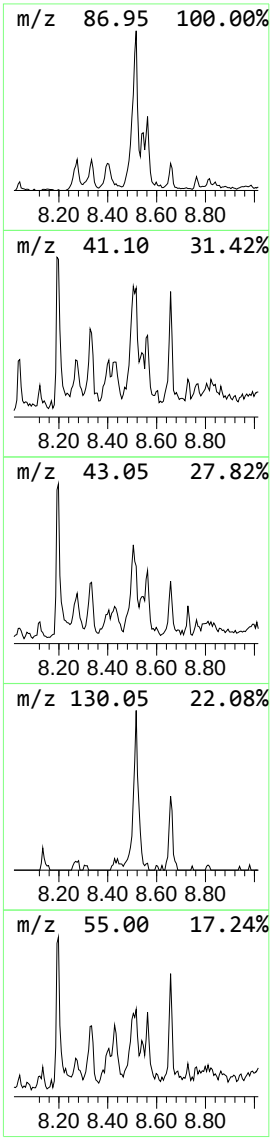
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptanoic acid, 2-propyl-, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.516	7.74 ng	489097	Naphthalene-d8	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid, 2-propyl-, methy...	186	C11H22O2	056247-53-1	59
2	Thiophane, propyl-	130	C7H14S	001551-34-4	53
3	Neodecanoic acid	172	C10H20O2	026896-20-8	45
4	2-[2-[2-(2-Hydroxyethoxy)ethoxy]...	236	C10H20O6	1000351-92-5	43
5	2-[2-[2-[2-[2-(2-Acetyloxyeth...	410	C18H34O10	1000351-90-7	43





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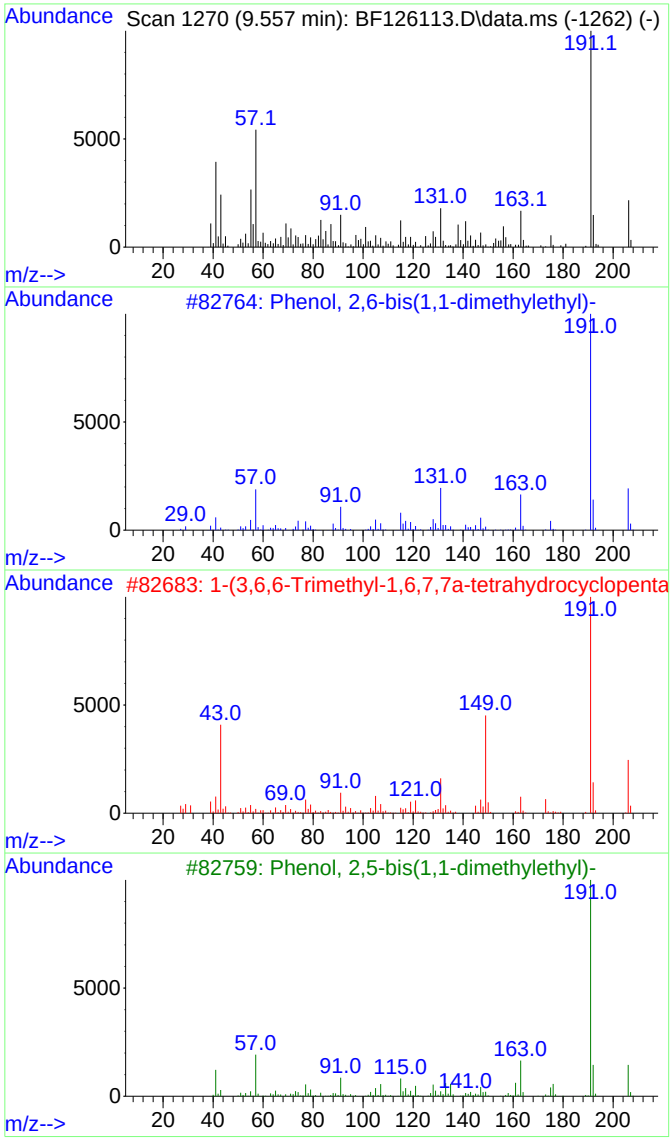
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

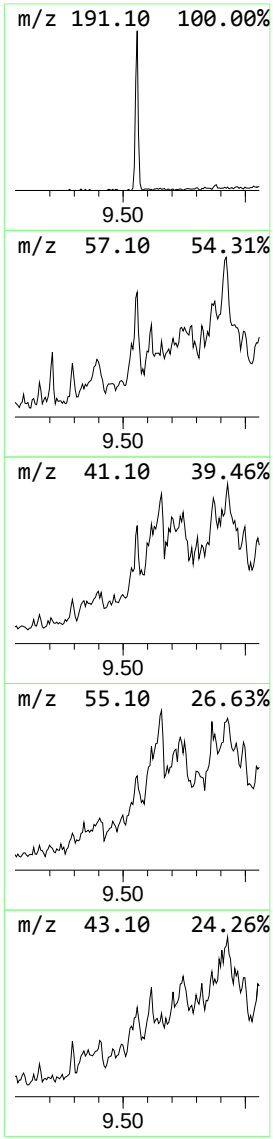
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.557	9.74 ng	756533	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethyl)-	206	C14H22O	000128-39-2	97
2	1-(3,6,6-Trimethyl-1,6,7,7a-tetr...	206	C13H18O2	1000194-97-2	70
3	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	64
4	2,4-Di-tert-butylphenol	206	C14H22O	000096-76-4	58
5	3-(4-tert-Butylphenyl)propanoic ...	206	C13H18O2	001208-64-6	58





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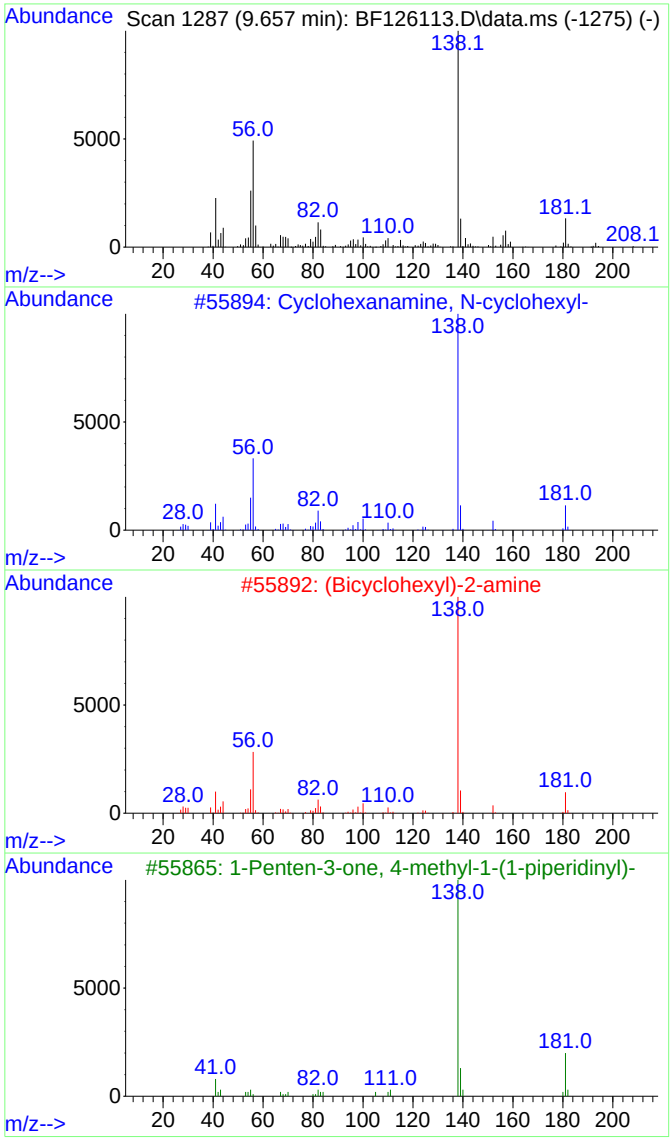
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

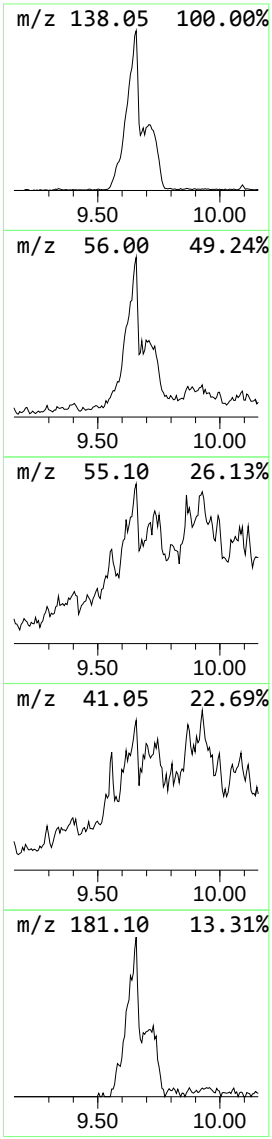
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexanamine, N-cyclohexyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.657	15.02 ng	1166530	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanamine, N-cyclohexyl-	181	C12H23N	000101-83-7	95
2	(Bicyclohexyl)-2-amine	181	C12H23N	006283-14-3	90
3	1-Penten-3-one, 4-methyl-1-(1-pi...	181	C11H19NO	013606-83-2	47
4	Phthalic acid, 2-(4-chlorophenyl...	472	C28H37ClO4	1000377-84-6	43
5	Phthalic acid, 2-(4-chlorophenyl...	416	C24H29ClO4	1000377-84-2	43





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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
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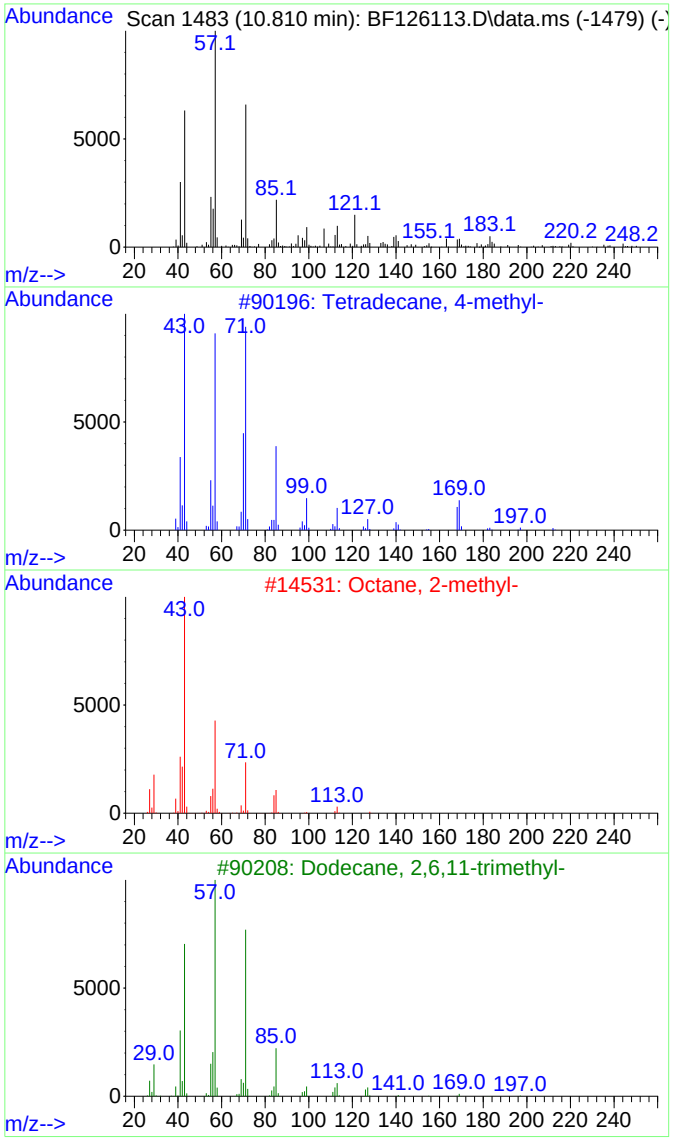
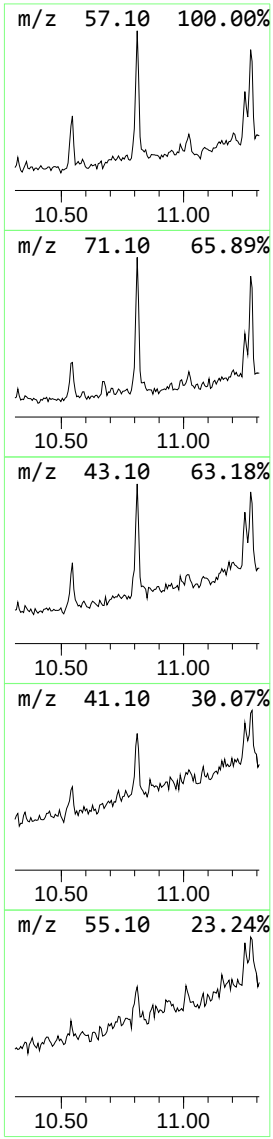
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Tetradecane, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	8.50 ng	519289	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	68
2	Octane, 2-methyl-	128	C9H20	003221-61-2	64
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	59





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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

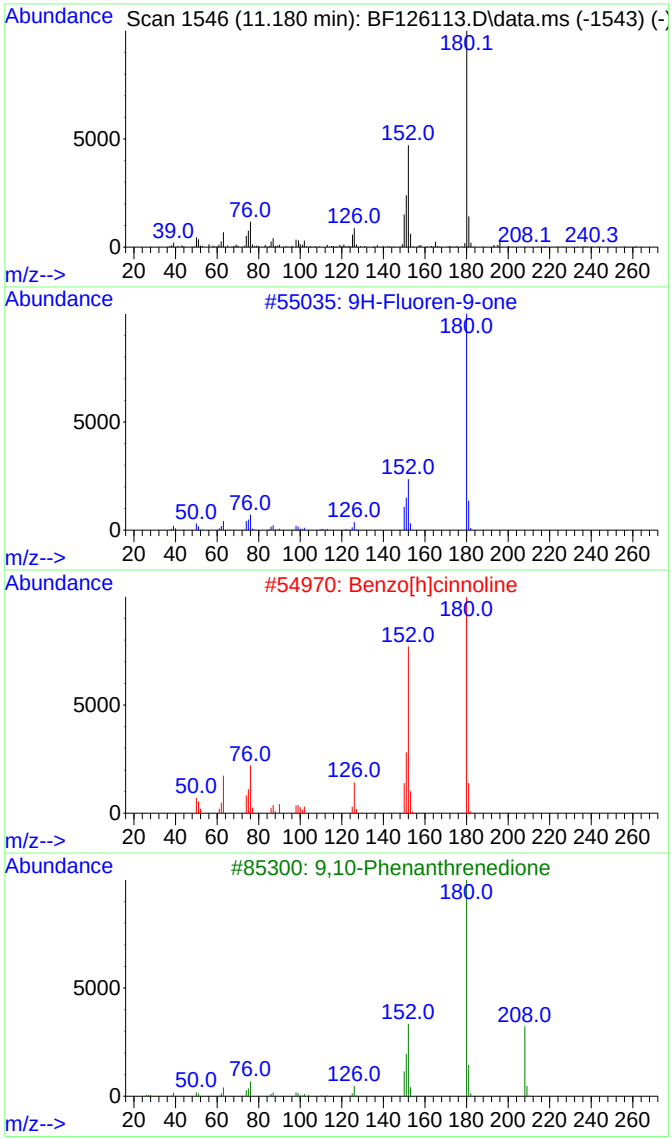
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

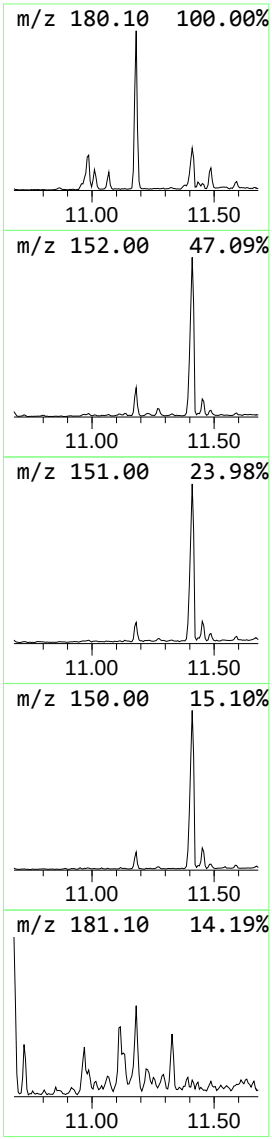
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	8.62 ng	526951	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
5	Diphenic anhydride	224	C14H8O3	006050-13-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126113.D
Acq On : 10 Nov 2021 18:15
Operator : JU/CG
Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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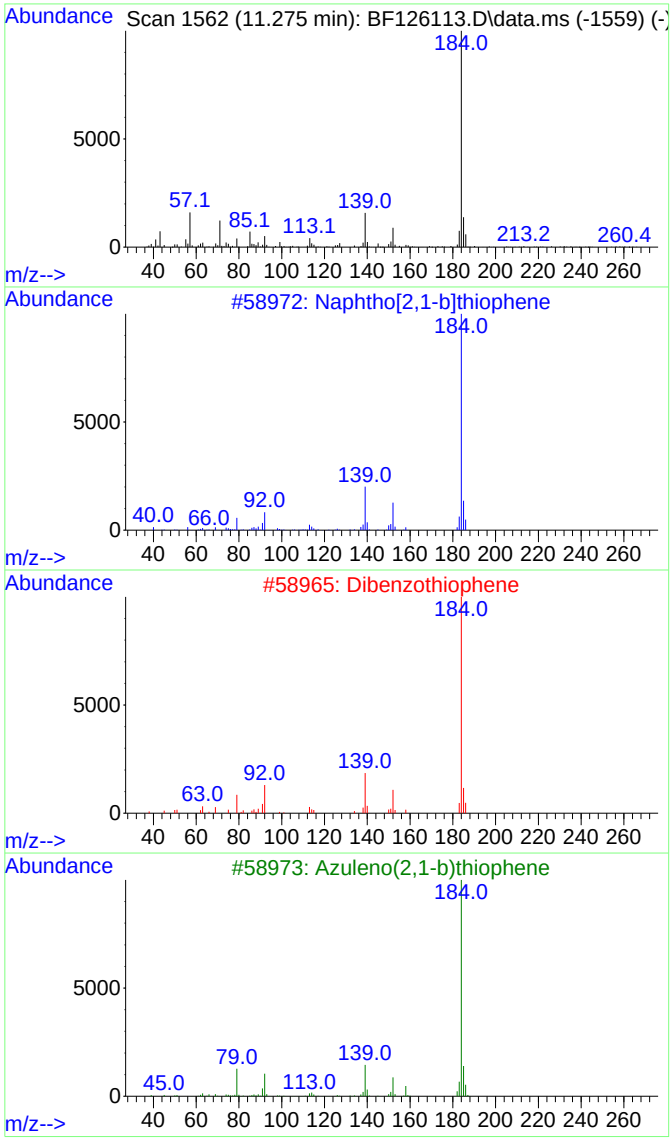
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

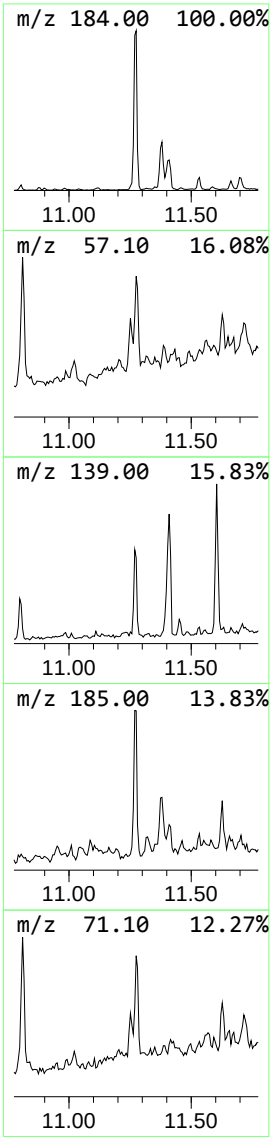
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	14.52 ng	887480	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





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Acq On : 10 Nov 2021 18:15
Operator : JU/CG
Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-3

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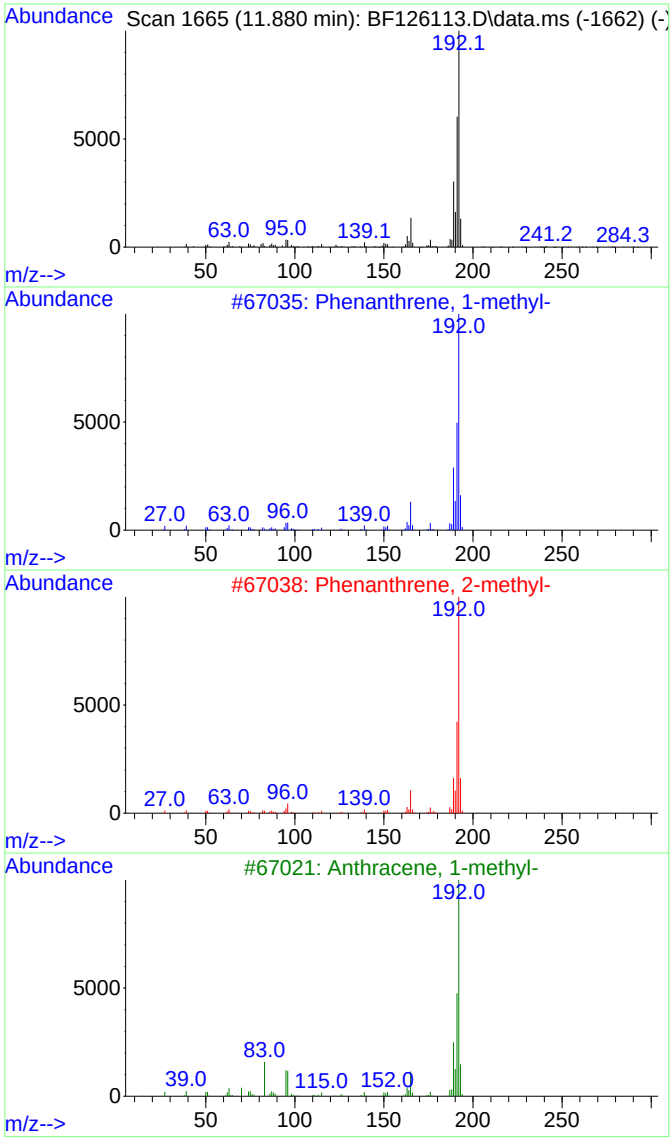
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

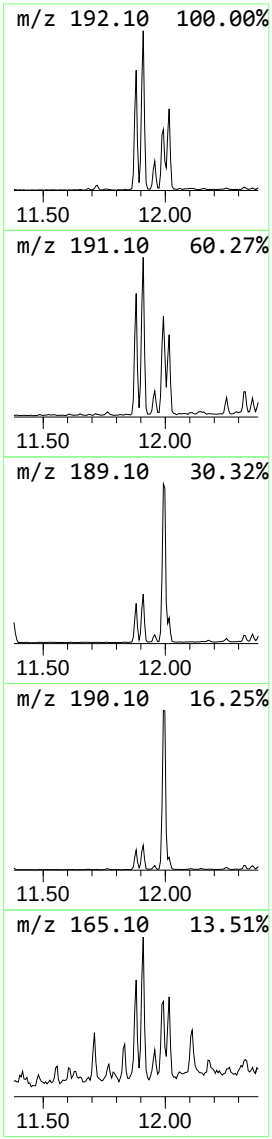
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	15.59 ng	952659	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-3

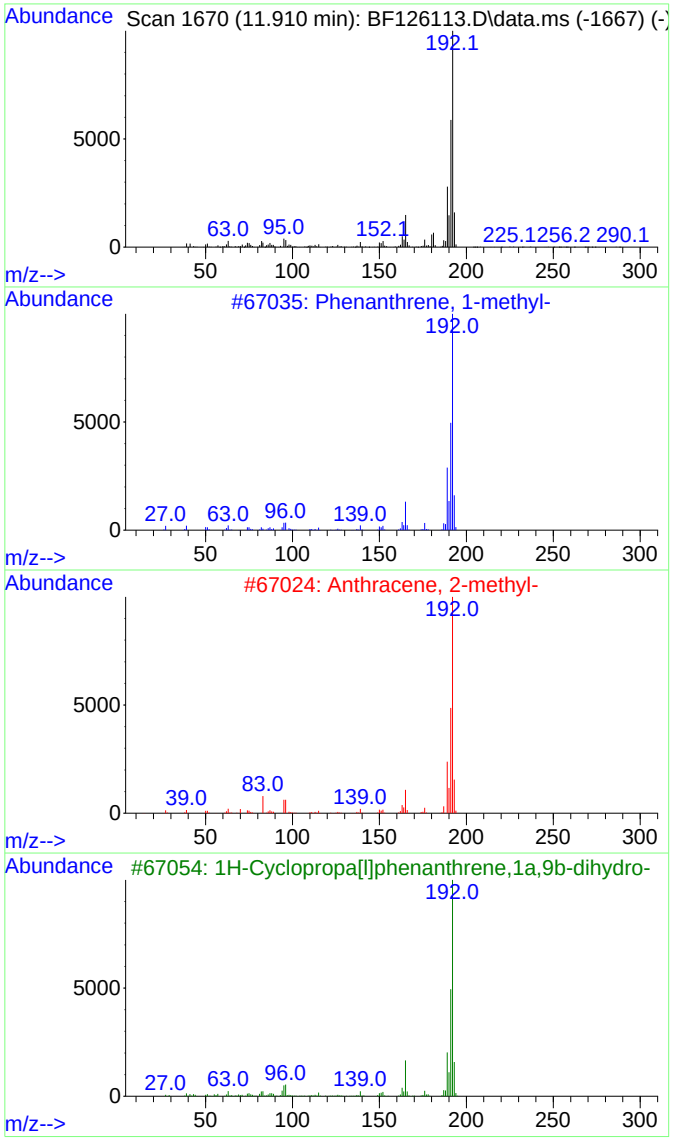
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

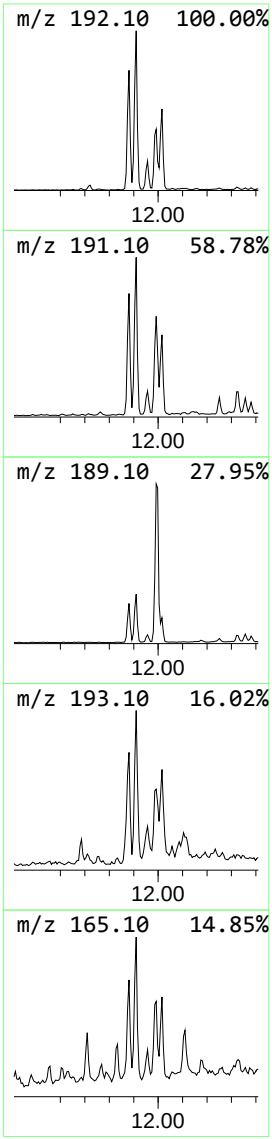
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	25.99 ng	1587920	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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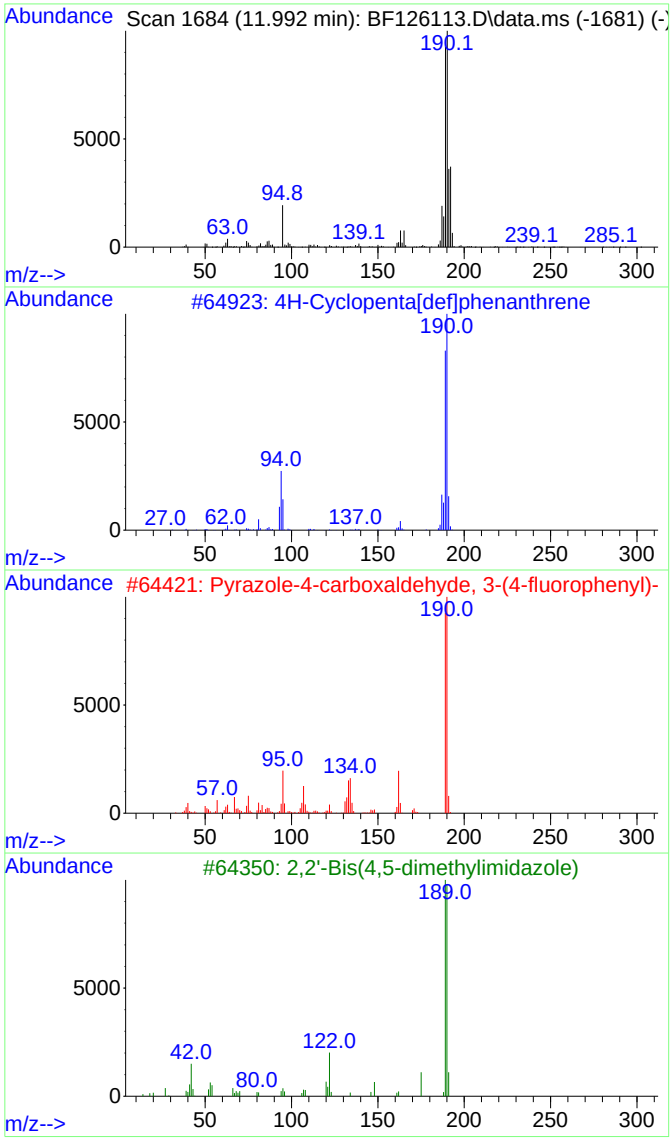
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

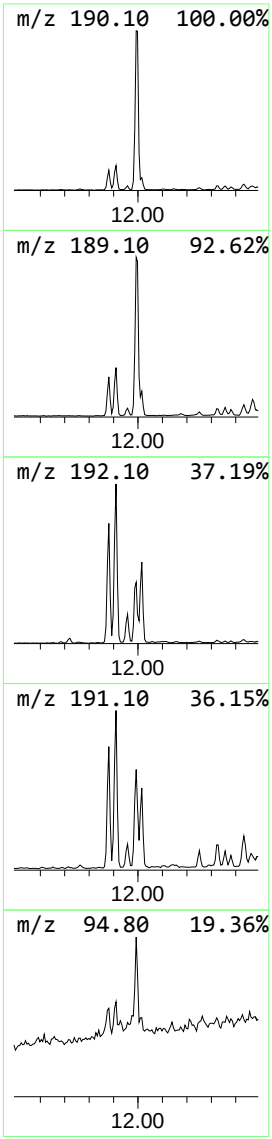
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	37.46 ng	2288990	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	17





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Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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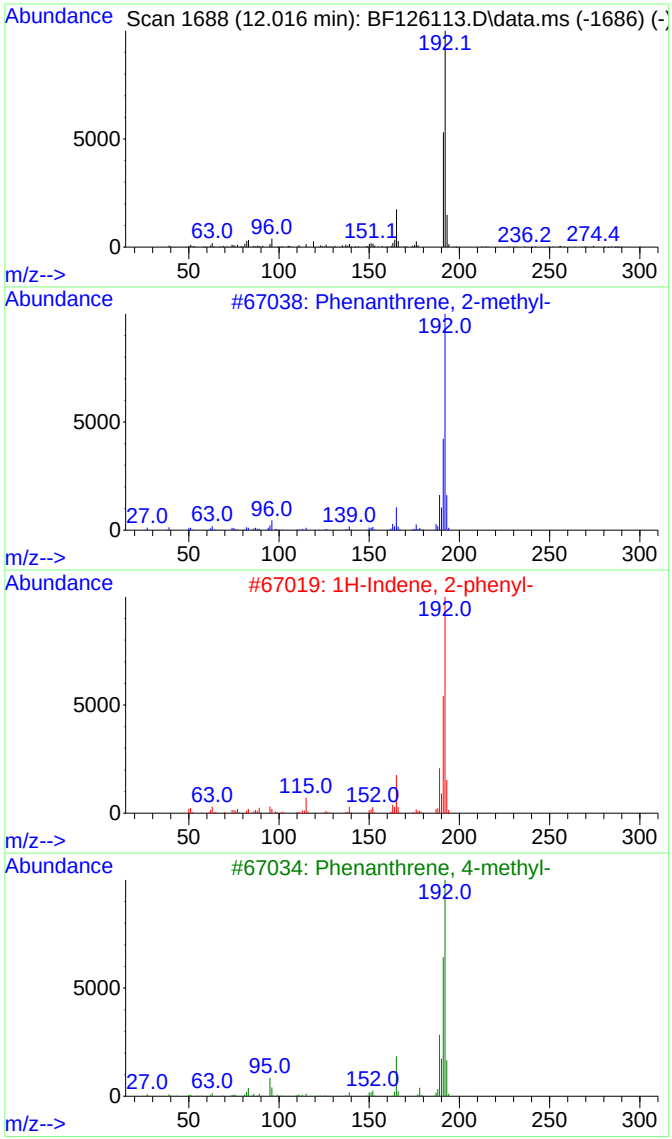
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

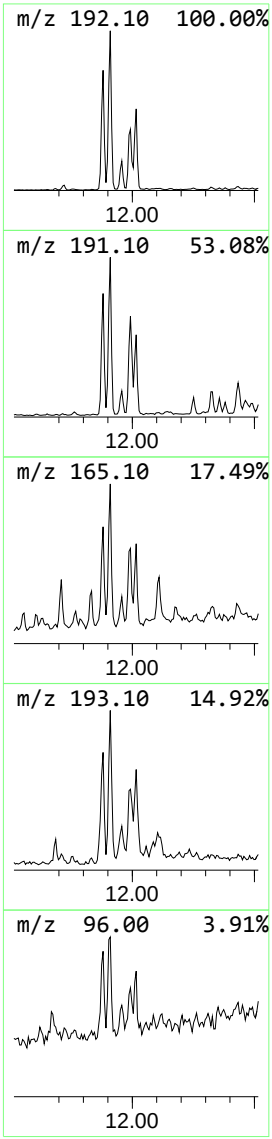
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	11.24 ng	686577	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Misc :
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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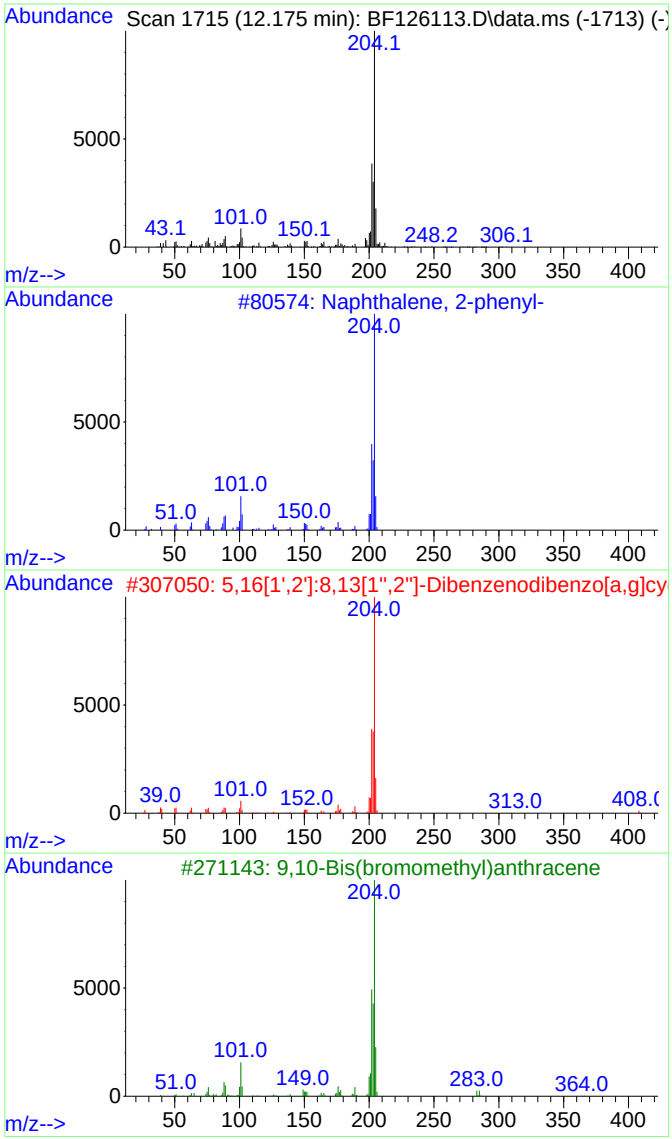
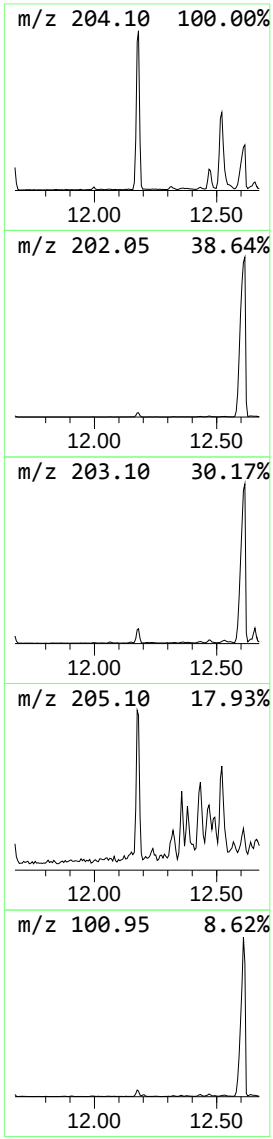
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	15.90 ng	971435	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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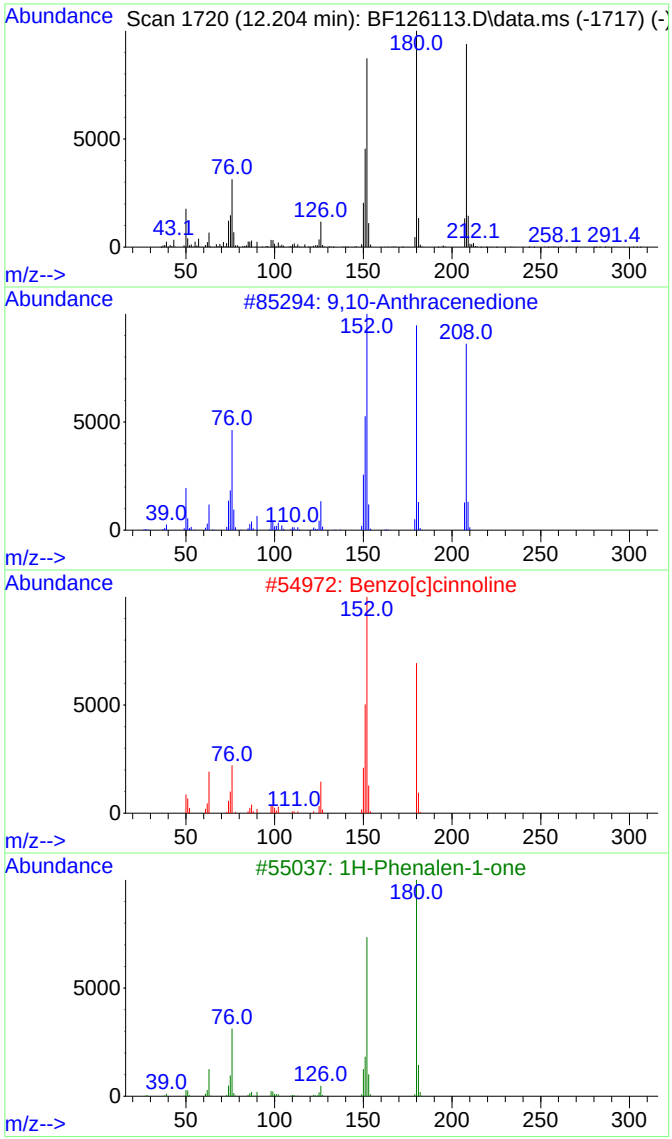
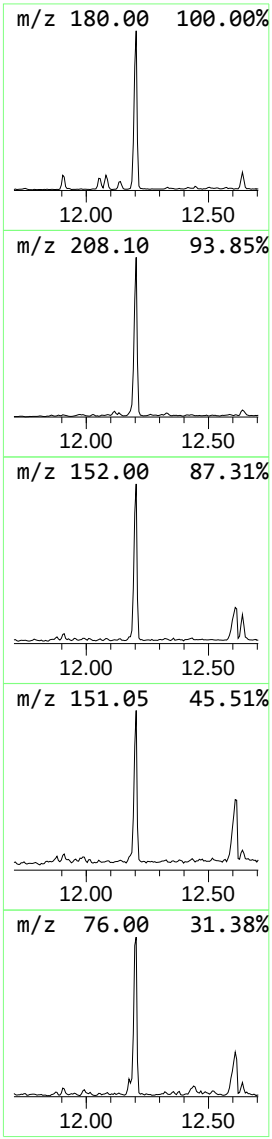
Peak Number 13 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	37.18 ng	2271680	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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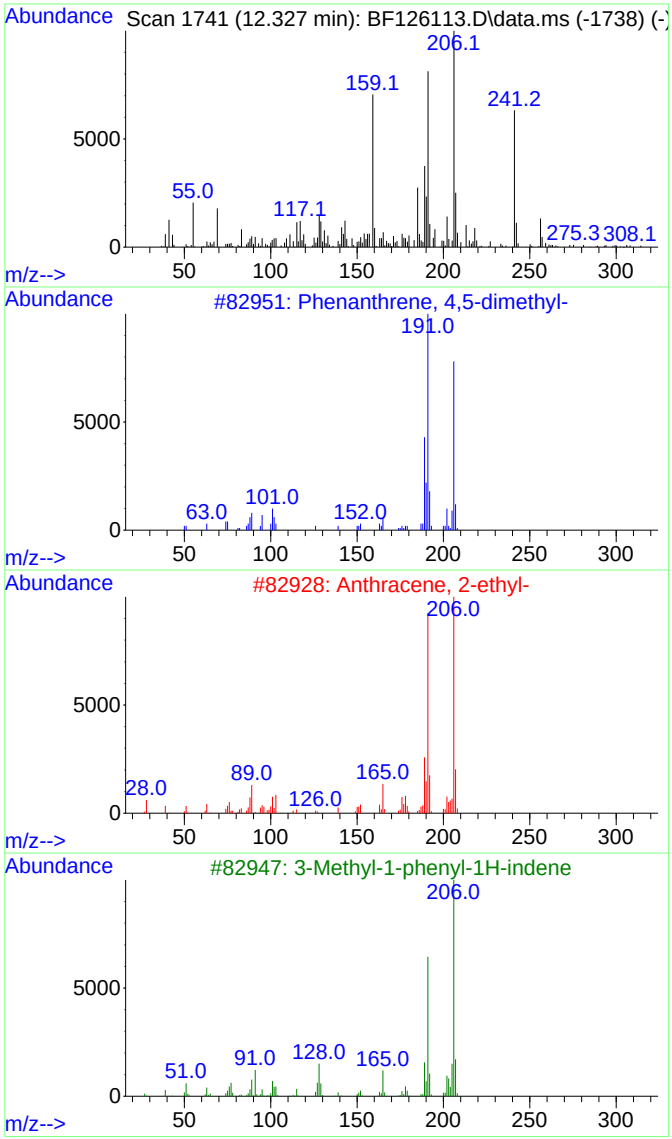
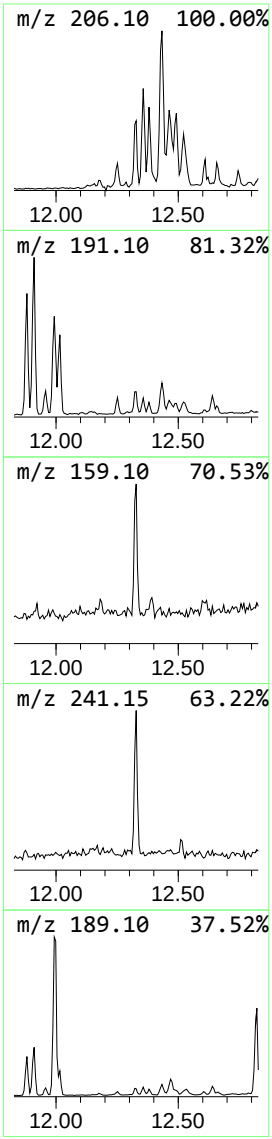
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	7.19 ng	439553	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	53
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	49
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	46
4	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	44
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	43





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Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

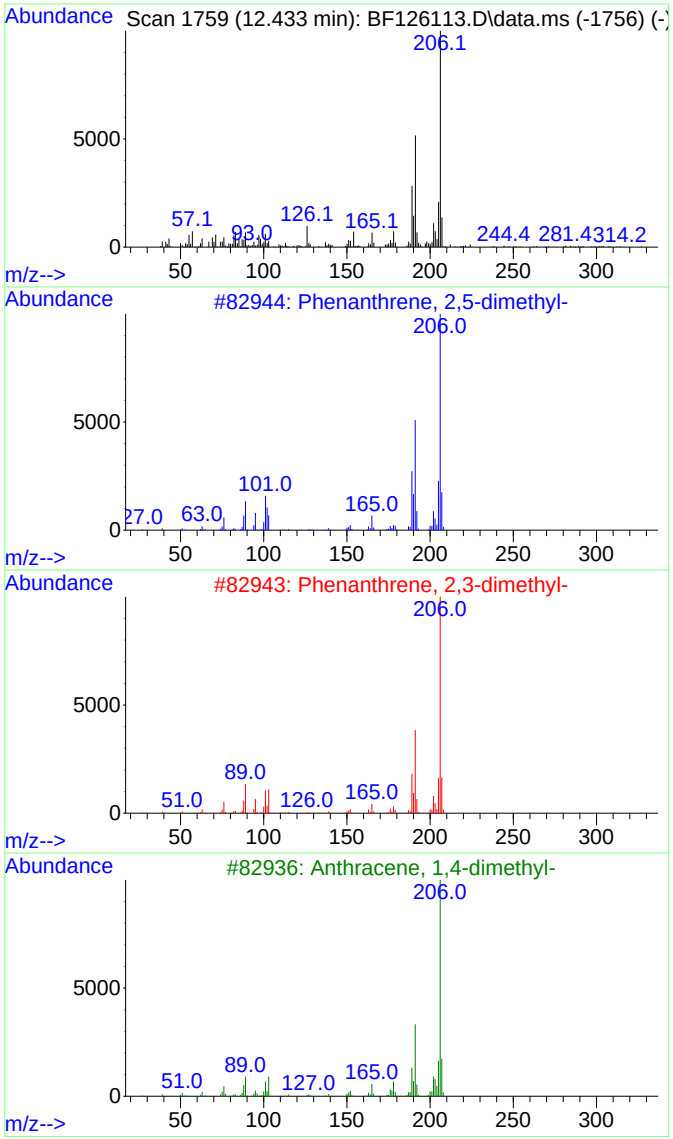
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

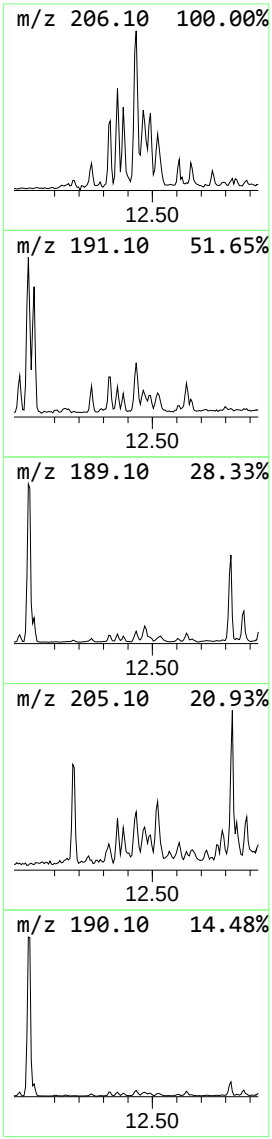
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	11.39 ng	696229	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DW-3

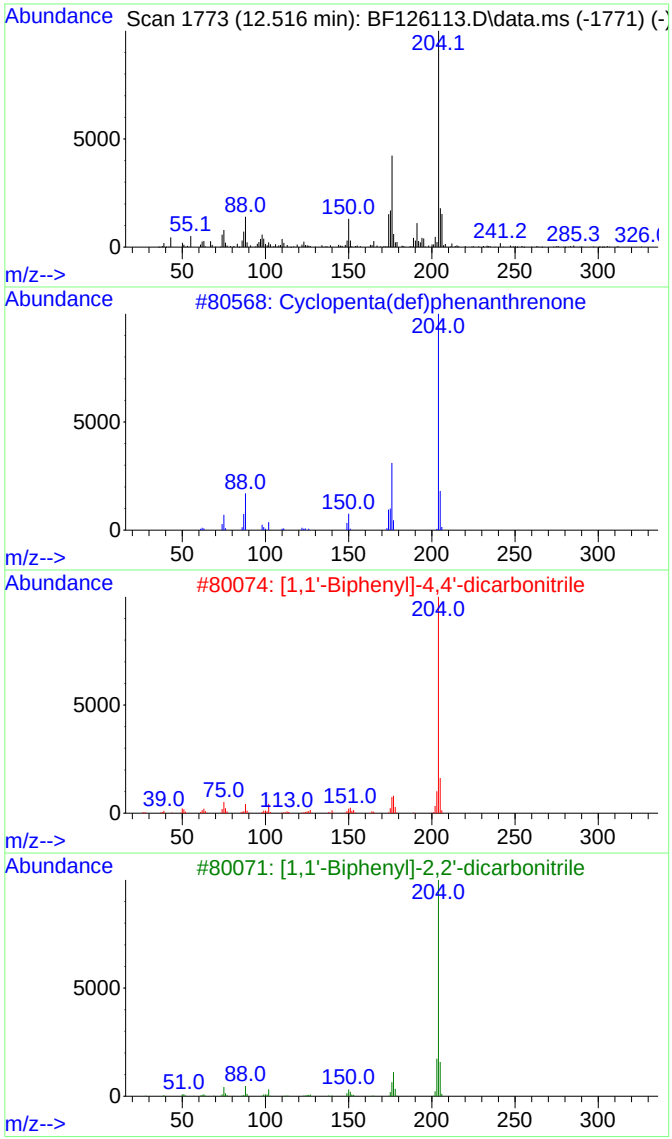
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

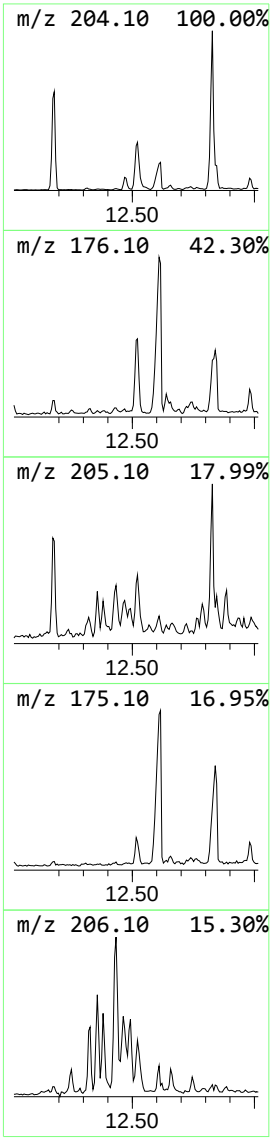
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	12.11 ng	740058	Phenanthrene-d10	11.381

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	40





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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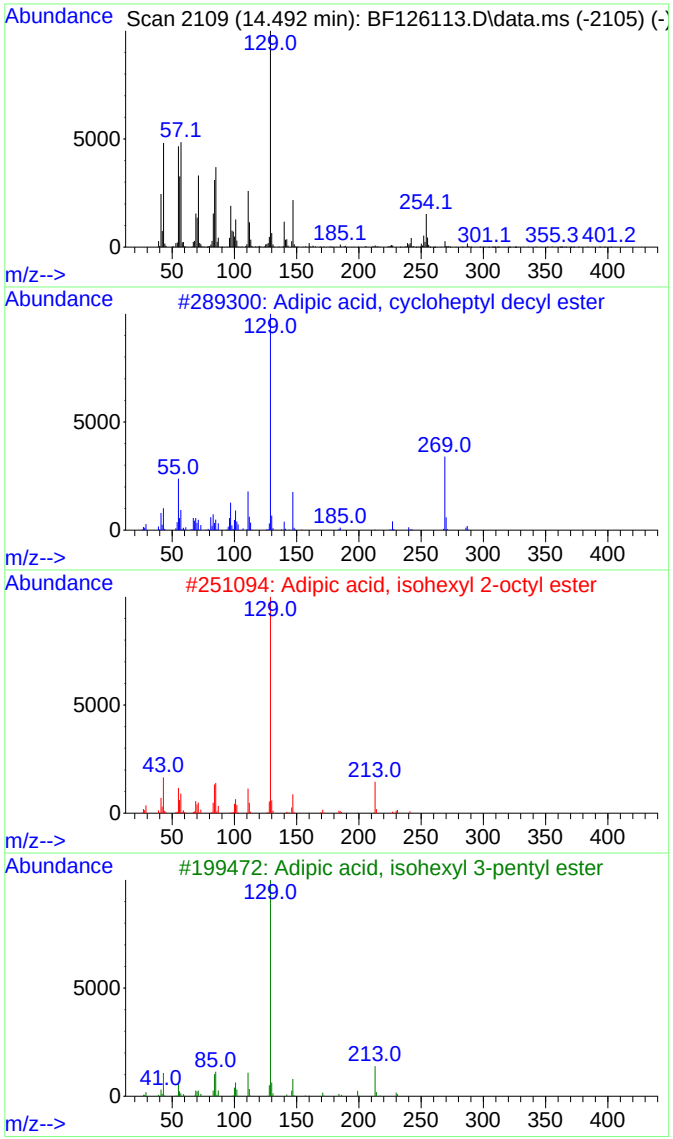
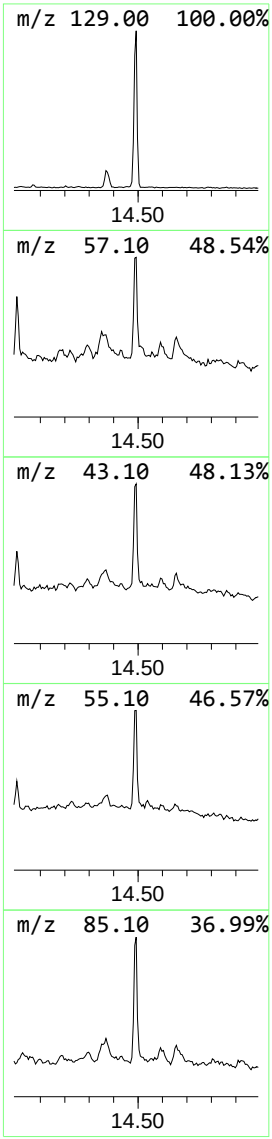
Peak Number 17 unknown14.492 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.492	7.44 ng	3982230	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, cycloheptyl decyl e...	382	C23H42O4	1000324-72-3	43
2	Adipic acid, isohexyl 2-octyl ester	342	C20H38O4	1000324-44-8	43
3	Adipic acid, isohexyl 3-pentyl e...	300	C17H32O4	1000324-60-7	43
4	Adipic acid, decyl pent-4-en-2-y...	354	C21H38O4	1000354-12-6	43
5	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	43





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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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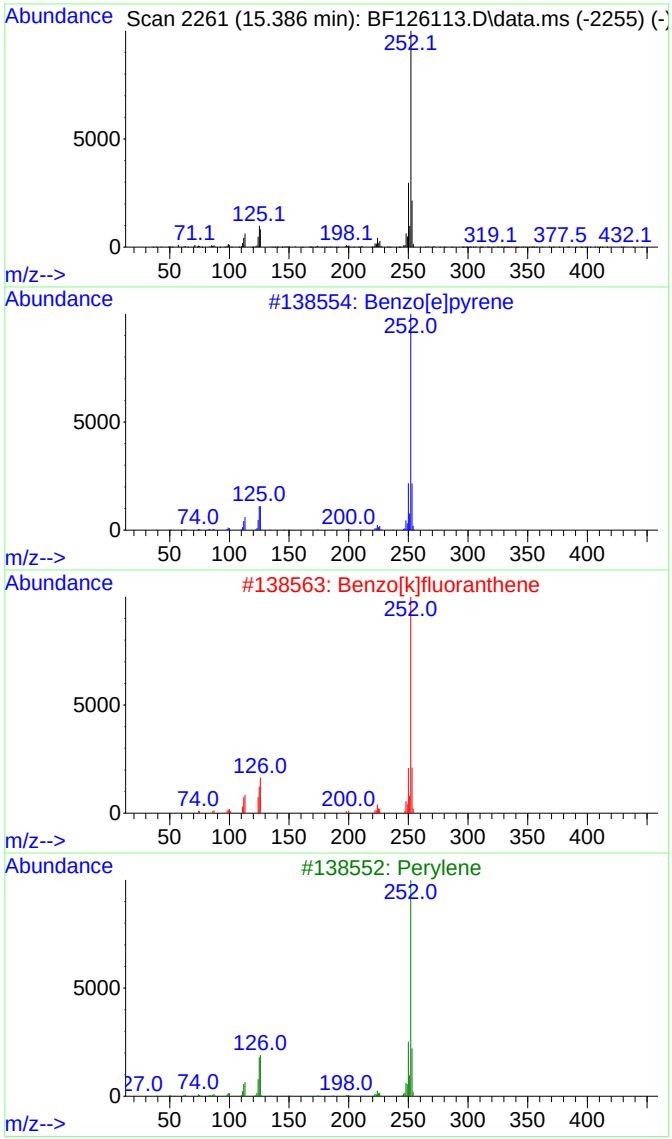
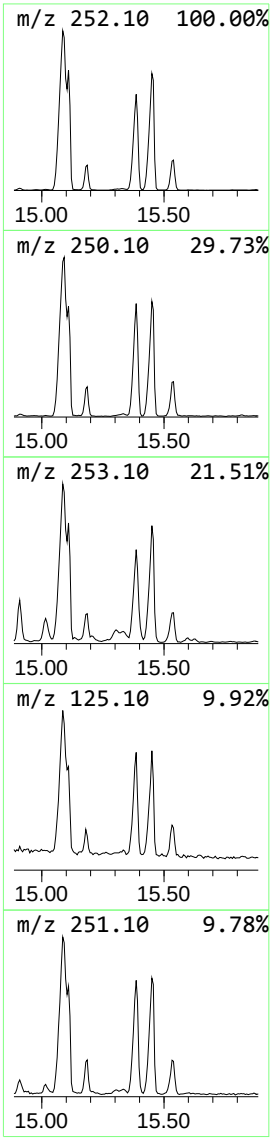
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.386	93.65 ng	4831530	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126113.D
Acq On : 10 Nov 2021 18:15
Operator : JU/CG
Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-3

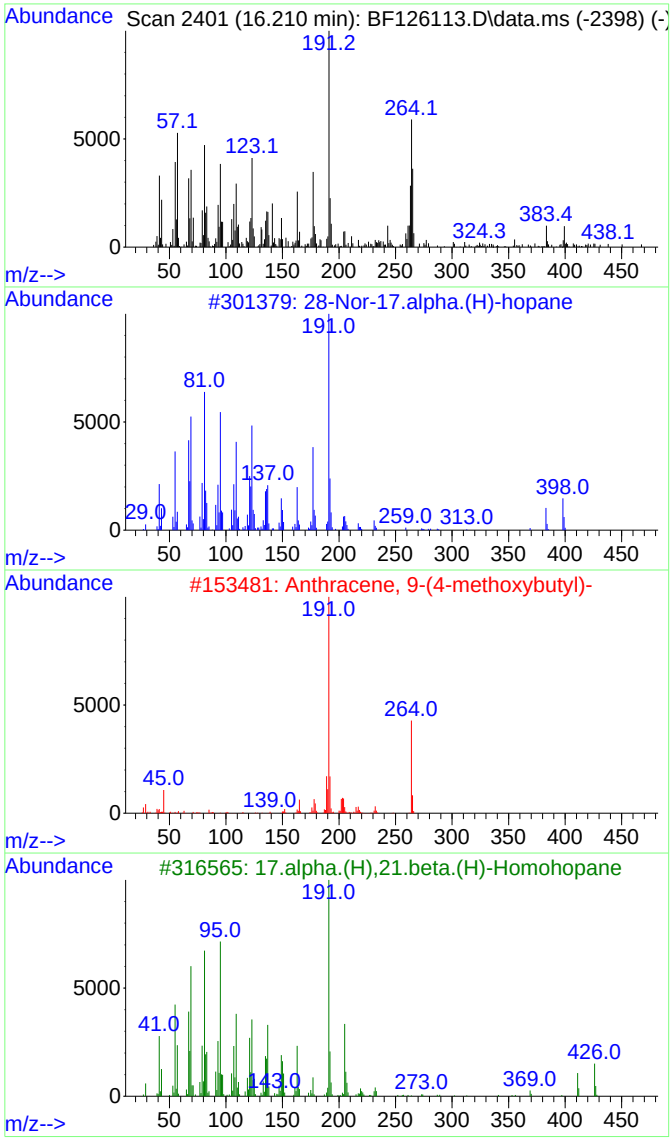
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

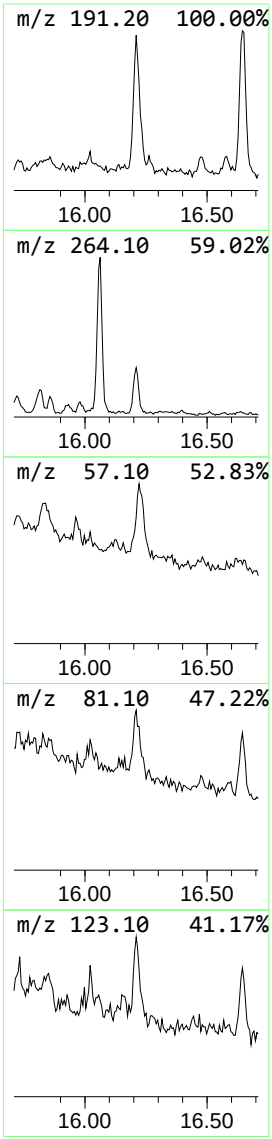
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.210	30.75 ng	1586520	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
2	Anthracene, 9-(4-methoxybutyl)-	264	C19H20O	144000-76-0	45
3	17.alpha.(H),21.beta.(H)-Homohopane	426	C31H54	053584-61-5	41
4	1H-Pyrazole-4-acetic acid, 1-(4-...	264	C11H16N6O2	1000337-51-2	38
5	4H-1,2,4-Triazole, 3-ethyl-5-(3,...	191	C9H13N5	328532-29-2	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126113.D
Acq On : 10 Nov 2021 18:15
Operator : JU/CG
Sample : M4576-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.134	8.6	ng	460650	1	6.851	1069790	20.0
Heptanoic acid,...	8.516	7.7	ng	489097	2	8.134	1263540	20.0
Phenol, 2,6-bis...	9.557	9.7	ng	756533	3	9.886	1552820	20.0
Cyclohexanamine...	9.657	15.0	ng	1166530	3	9.886	1552820	20.0
Tetradecane, 4-...	10.810	8.5	ng	519289	4	11.381	1222010	20.0
9H-Fluoren-9-one	11.181	8.6	ng	526951	4	11.381	1222010	20.0
Naphtho[2,1-b]t...	11.275	14.5	ng	887480	4	11.381	1222010	20.0
Phenanthrene, 2...	11.880	15.6	ng	952659	4	11.381	1222010	20.0
Phenanthrene, 1...	11.910	26.0	ng	1587920	4	11.381	1222010	20.0
4H-Cyclopenta[d...	11.992	37.5	ng	2288990	4	11.381	1222010	20.0
1H-Indene, 2-ph...	12.016	11.2	ng	686577	4	11.381	1222010	20.0
Naphthalene, 2-...	12.175	15.9	ng	971435	4	11.381	1222010	20.0
9,10-Anthracene...	12.204	37.2	ng	2271680	4	11.381	1222010	20.0
Phenanthrene, 4...	12.328	7.2	ng	439553	4	11.381	1222010	20.0
Phenanthrene, 2...	12.433	11.4	ng	696229	4	11.381	1222010	20.0
Cyclopenta(def)...	12.516	12.1	ng	740058	4	11.381	1222010	20.0
unknown14.492	14.492	7.4	ng	3982230	5	14.033	10710100	20.0
Benzo[e]pyrene	15.386	93.7	ng	4831530	6	15.504	1031810	20.0
28-Nor-17.alpha...	16.210	30.8	ng	1586520	6	15.504	1031810	20.0