LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126266.D
Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-21-G

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126266.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.004	492	496	508	rVB	347875	336278	10.13%	0.782%
2	5.416	562	566	573	rBV	324087	311695	9.39%	0.725%
3	6.428	735	738	749	rVB	552418	439470	13.24%	1.022%
4	6.816	800	804	807	rBV	1902317	1576857	47.52%	3.668%
5	7.369	894	898	904	rBV	383643	299771	9.03%	0.697%
6	8.098	1017	1022	1025	rBV	2582322	2139905	64.49%	4.977%
7	9.175	1200	1205	1208	rBV	619559	531322	16.01%	1.236%
8	9.439	1243	1250	1254	rBV2	105931	149876	4.52%	0.349%
9	9.510	1258	1262	1265	rBV	226111	212618	6.41%	0.495%
10	9.539	1265	1267	1269	rVB	118380	90468	2.73%	0.210%
11	9.628	1277	1282	1288	rBV	146531	162553	4.90%	0.378%
12	9.710	1291	1296	1301	rVV2	79479	102775	3.10%	0.239%
13	9.851	1314	1320	1323	rBV	2336433	2127877	64.13%	4.949%
14	9.881	1323	1325	1330	rVV	212661	243539	7.34%	0.566%
15	9.957	1334	1338	1342	rVB3	75903	105412	3.18%	0.245%
16	10.010	1342	1347	1351	rBV2	96612	118254	3.56%	0.275%
17	10.051	1351	1354	1358	rVB	139746	136125	4.10%	0.317%
18	10.092	1358	1361	1364	rBV	136770	113353	3.42%	0.264%
19	10.169	1371	1374	1377	rBV	138478	134937	4.07%	0.314%
20	10.263	1386	1390	1396	rBV4	124896	189752	5.72%	0.441%
21	10.398	1410	1413	1419	rBV3	195819	224779	6.77%	0.523%
22	10.451	1419	1422	1423	rVV2	94519	105337	3.17%	0.245%
23	10.463	1423	1424	1426	rVV	158898	109872	3.31%	0.256%
24	10.510	1430	1432	1434	rVV2	96024	94346	2.84%	0.219%
25	10.557	1437	1440	1445	rVB2	103886	159187	4.80%	0.370%
26	10.633	1450	1453	1457	rVV3	90637	120531	3.63%	0.280%
27	10.763	1473	1475	1482	rVB4	123337	167807	5.06%	0.390%
28	10.945	1502	1506	1509	rBV4	83913	103640	3.12%	0.241%
29	11.098	1529	1532	1534	rVV3	110335	121641	3.67%	0.283%
30	11.139	1536	1539	1544	rVV2	136567	177781	5.36%	0.413%
31	11.186	1544	1547	1550	rVV3	82708	104627	3.15%	0.243%
32	11.233	1553	1555	1560	rVB	268868	278570	8.39%	0.648%
33	11.339	1569	1573	1575	rBV	1803666	1840767	55.47%	4.281%
34	11.363	1575	1577	1580	rVV	2934850	2277994	68.65%	5.298%
35	11.410	1582	1585	1588	rVB	562084	433873	13.08%	1.009%
36	11.633	1620	1623	1626	rVB2	258156	213733	6.44%	0.497%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126266.D
Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.669	1626	1629	1632	rBV	236101	195466	5.89%	0.455%
38	11.751	1640	1643	1646	rVB	110509	115264	3.47%	0.268%
39	11.792	1647	1650	1653	rVV2	104751	106990	3.22%	0.249%
40	11.839	1654	1658	1660	rVV	830924	735412	22.16%	1.710%
41	11.863	1660	1662	1666	rVB	818939	742952	22.39%	1.728%
42	11.910	1667	1670	1673	rBV	176847	160824	4.85%	0.374%
43	11.951	1673	1677	1679	rBV	989749	1143203	34.45%	2.659%
44	11.975	1679	1681	1685	rVB	708431	563965	17.00%	1.312%
45	12.022	1686	1689	1691	rBV3	107380	101003	3.04%	0.235%
46	12.133	1705	1708	1710	rVV	498877	411235	12.39%	0.956%
47	12.151	1710	1711	1718	rVB3	308300	283917	8.56%	0.660%
48	12.210	1718	1721	1728	rVB3	94617	127615	3.85%	0.297%
49	12.280	1731	1733	1736	rVB	175426	143766	4.33%	0.334%
50	12.316	1736	1739	1741	rBV	150285	123504	3.72%	0.287%
51	12.339	1741	1743	1745	rVB	142181	110571	3.33%	0.257%
52	12.386	1748	1751	1754	rBV	434755	456902	13.77%	1.063%
53	12.422	1754	1757	1760	rBV3	231300	281657	8.49%	0.655%
54	12.469	1763	1765	1771	rVB2	436497	436446	13.15%	1.015%
55	12.551	1775	1779	1782	rVB	1942521	1838325	55.40%	4.276%
56	12.598	1784	1787	1788	rBV	132862	116378	3.51%	0.271%
57	12.616	1788	1790	1797	rVB4	139637	169048	5.09%	0.393%
58	12.674	1797	1800	1802	rBV2	197363	177553	5.35%	0.413%
59	12.698	1802	1804	1808	rVB	111468	97008	2.92%	0.226%
60	12.780	1812	1818	1821	rBV	3230413	3318294	100.00%	7.718%
61	12.922	1839	1842	1849	rVB	430334	522223	15.74%	1.215%
62	12.992	1850	1854	1858	rBV	373921	491254	14.80%	1.143%
63	13.080	1866	1869	1871	rBV3	258392	348406	10.50%	0.810%
64	13.169	1881	1884	1887	rVB4	133622	124944	3.77%	0.291%
65	13.210	1887	1891	1893	rBV	484496	471685	14.21%	1.097%
66	13.298	1903	1906	1909	rVV	391913	320383	9.66%	0.745%
67	13.327	1909	1911	1914	rVB	432036	361415	10.89%	0.841%
68	13.474	1930	1936	1938	rBV4	65373	120825	3.64%	0.281%
69	13.504	1938	1941	1945	rVV4	91219	132725	4.00%	0.309%
70	13.604	1955	1958	1961	rBV	370424	332977	10.03%	0.774%
71	13.716	1973	1977	1980	rBV2	278427	388736	11.71%	0.904%
72	13.751	1980	1983	1985	rVV	345343	301716	9.09%	0.702%
73	13.769	1985	1986	1990	rVV2	145135	123626	3.73%	0.288%
74	13.816	1990	1994	1998	rVV2	222451	260970	7.86%	0.607%
75	13.969	2015	2020	2023	rBV2	1609195	2393511	72.13%	5.567%
76	13.998	2023	2025	2030	rVV	1200949	1078936	32.51%	2.509%

LSC Area Percent Report

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Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.069	2032	2037	2040	rVV	530243	611326	18.42%	1.422%
78	14.110	2040	2044	2045	rVV3	77797	109378	3.30%	0.254%
79	14.151	2049	2051	2055	rVB4	109219	103215	3.11%	0.240%
80	14.321	2077	2080	2082	rBV	115424	110317	3.32%	0.257%
81	14.357	2082	2086	2089	rVV	422833	450214	13.57%	1.047%
82	14.392	2089	2092	2095	rVV	287436	269543	8.12%	0.627%
83	14.451	2099	2102	2105	rVV2	154145	212243	6.40%	0.494%
84	14.480	2105	2107	2109	rVV	194452	173326	5.22%	0.403%
85	14.510	2109	2112	2115	rVB	121128	126589	3.81%	0.294%
86	14.557	2117	2120	2123	rVB2	103636	104361	3.15%	0.243%
87	14.757	2149	2154	2156	rBV3	73722	103070	3.11%	0.240%
88	14.821	2162	2165	2169	rBV3	96619	132338	3.99%	0.308%
89	14.910	2176	2180	2189	rVB4	91283	146767	4.42%	0.341%
90	14.998	2190	2195	2199	rBV3	551892	1011793	30.49%	2.353%
91	15.098	2208	2212	2216	rVB2	122512	190494	5.74%	0.443%
92	15.257	2234	2239	2241	rBV4	60310	89712	2.70%	0.209%
93	15.298	2241	2246	2251	rVB	357158	431833	13.01%	1.004%
94	15.357	2251	2256	2262	rVB	562988	661730	19.94%	1.539%
95	15.421	2262	2267	2270	rBV	881036	1117344	33.67%	2.599%
96	15.898	2343	2348	2352	rBV2	101848	180386	5.44%	0.420%
97	16.398	2428	2433	2441	rBV4	75048	178852	5.39%	0.416%
98	16.674	2475	2480	2488	rVB5	50281	127664	3.85%	0.297%
99	16.839	2502	2508	2516	rVB2	158980	310695	9.36%	0.723%
100	17.268	2575	2581	2589	rVB	128065	252680	7.61%	0.588%

Sum of corrected areas: 42994822

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Data File : BF126266.D
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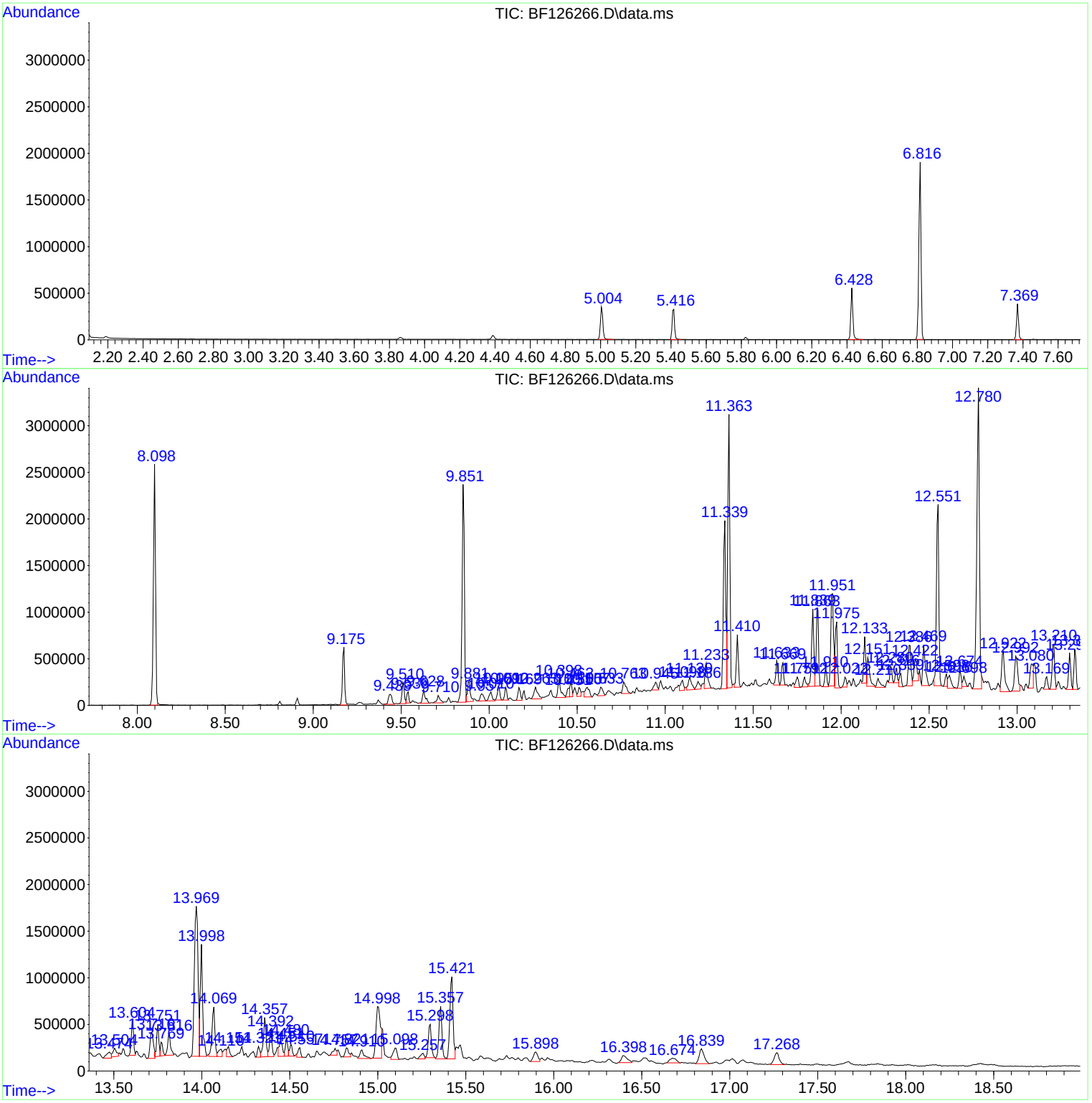
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
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Instrument :
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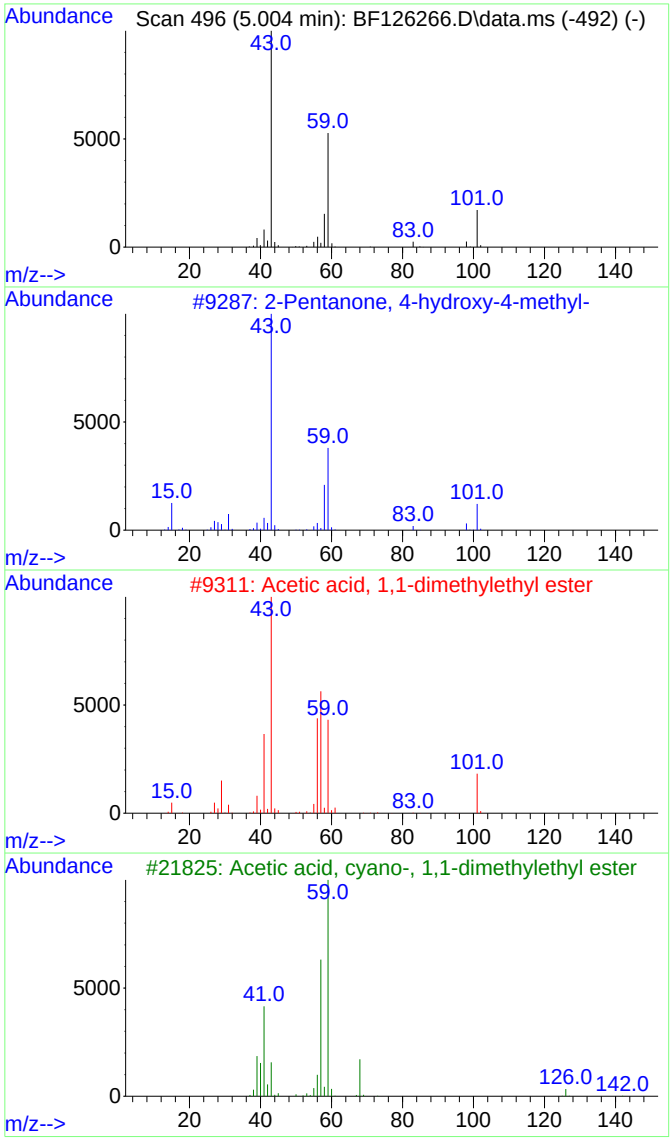
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

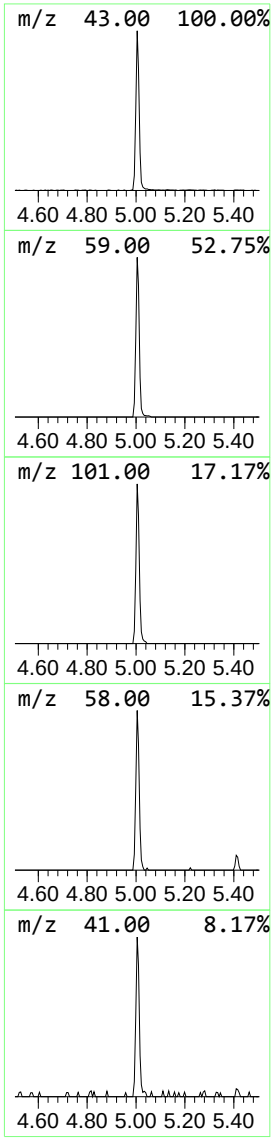
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.004	4.27 ng	336278	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
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Sample : M5168-04 10X
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Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

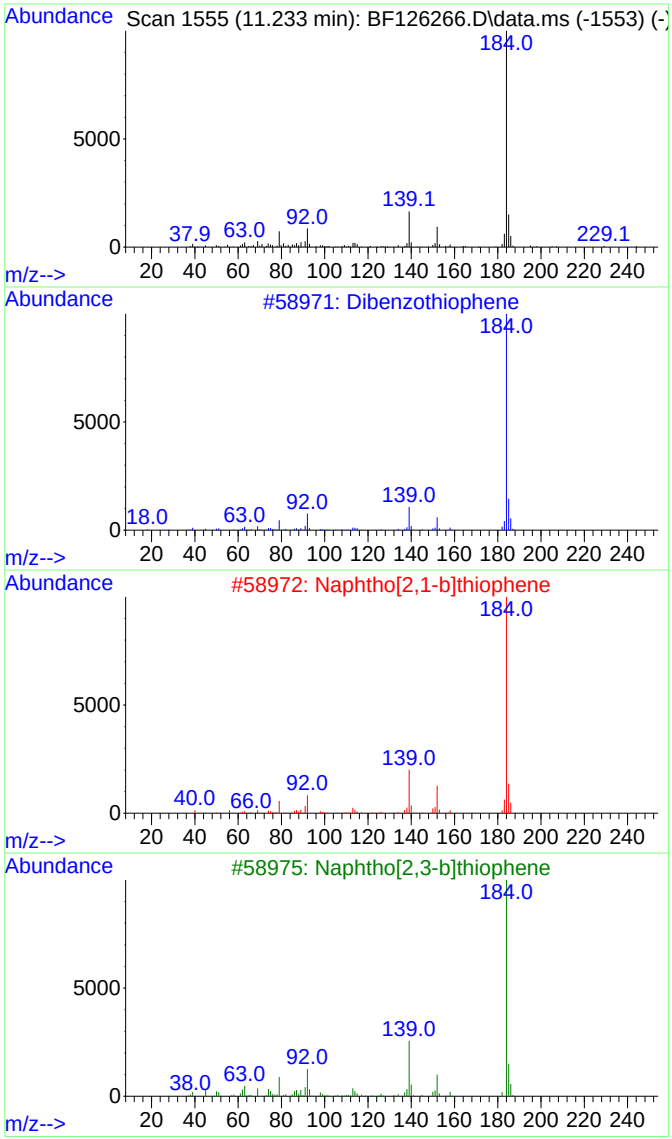
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

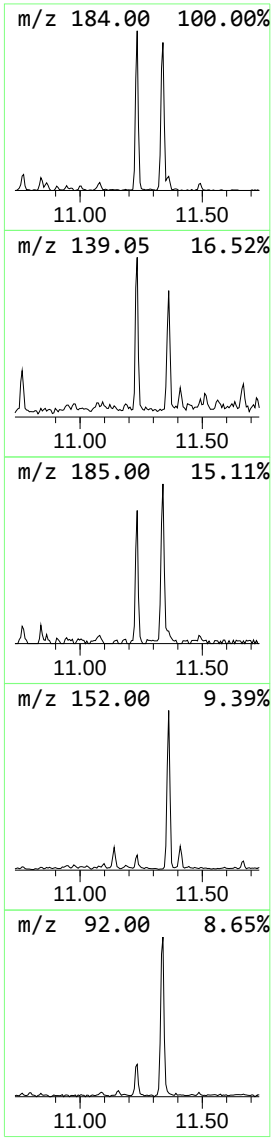
****

Peak Number 2 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	3.03 ng	278570	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86





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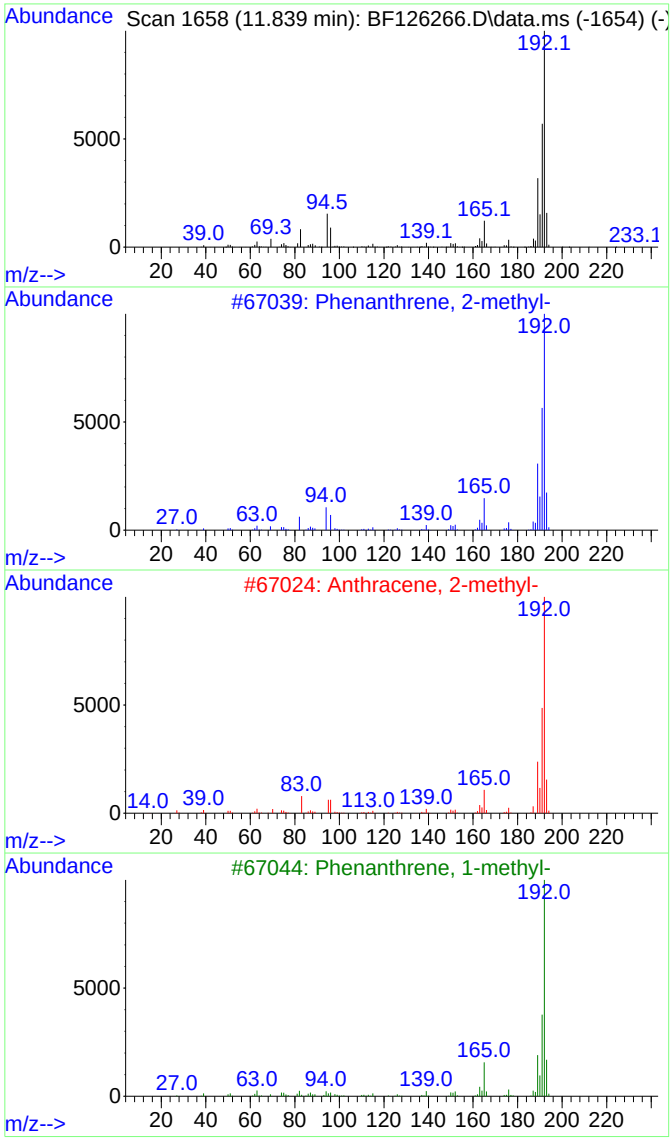
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

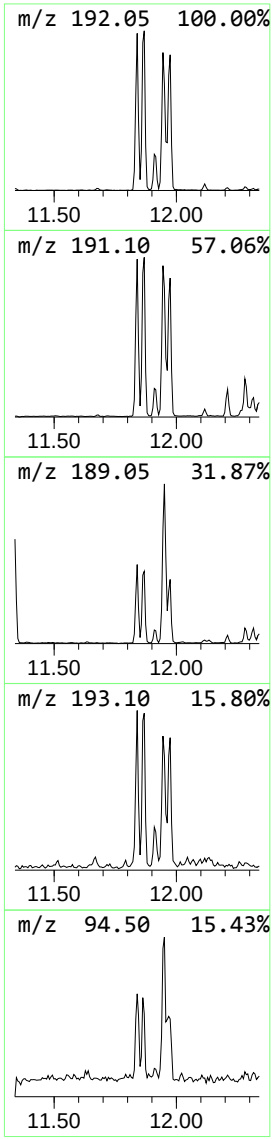
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	7.99 ng	735412	Phenanthrene-d10	11.339

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126266.D
Acq On : 18 Dec 2021 21:26
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Sample : M5168-04 10X
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

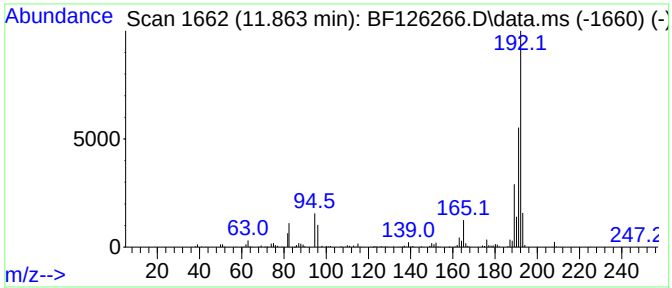
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

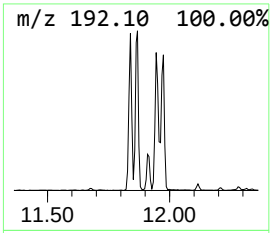
****

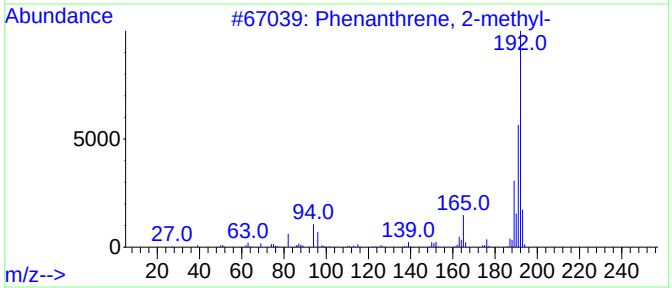
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 2

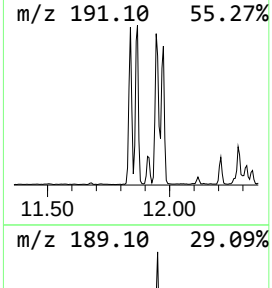
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	8.07 ng	742952	Phenanthrene-d10	11.339

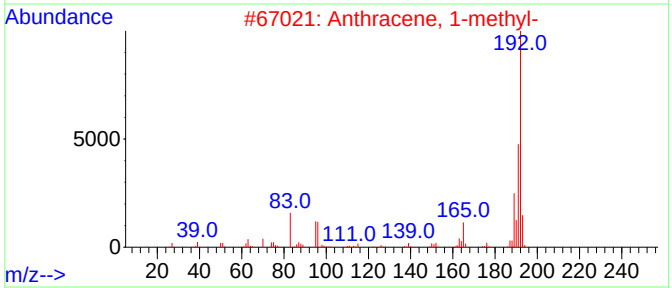
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94

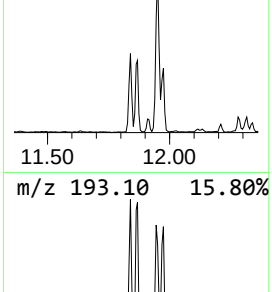


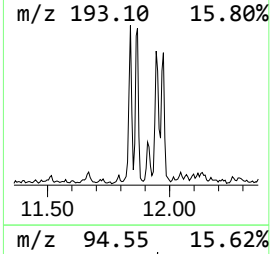


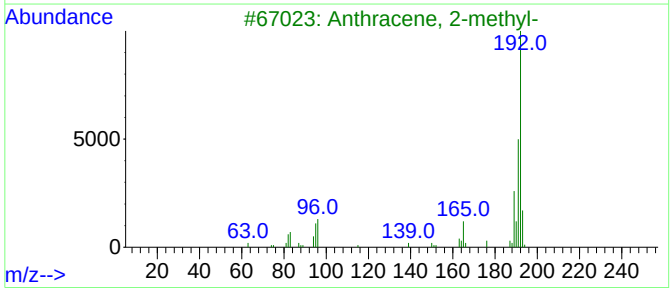


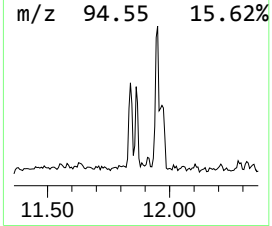












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Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

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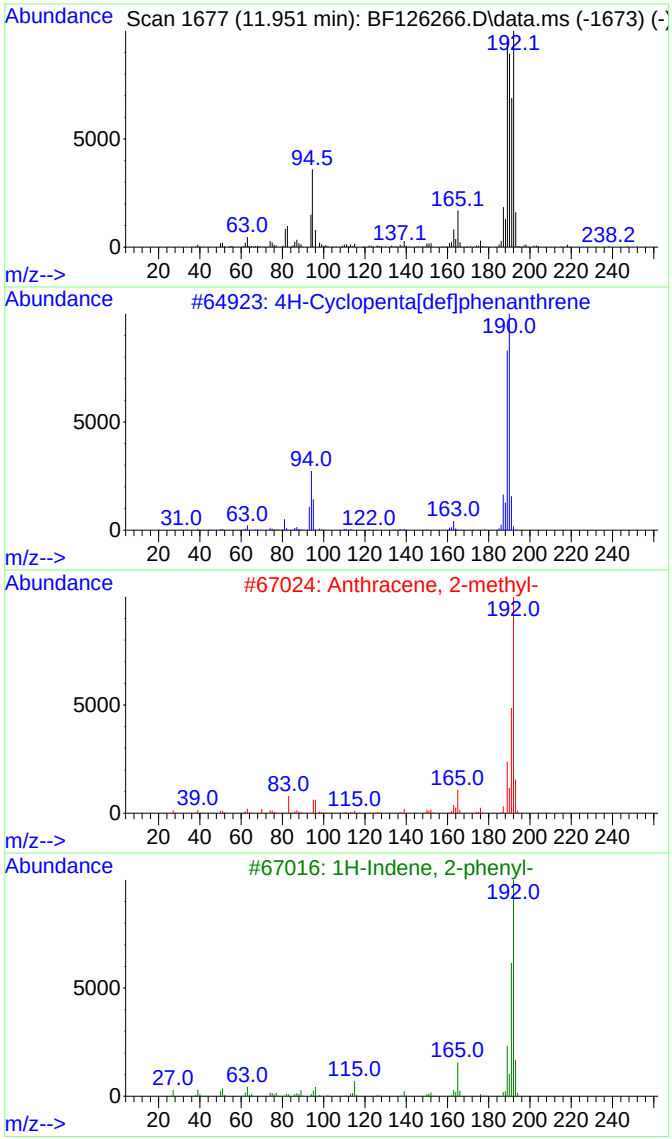
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

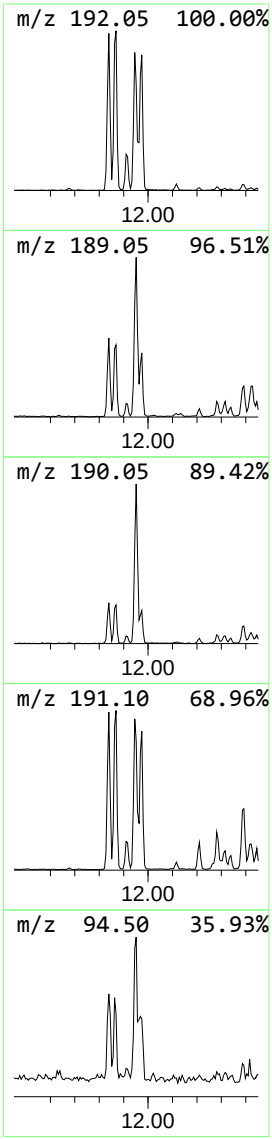
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	12.42 ng	1143200	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

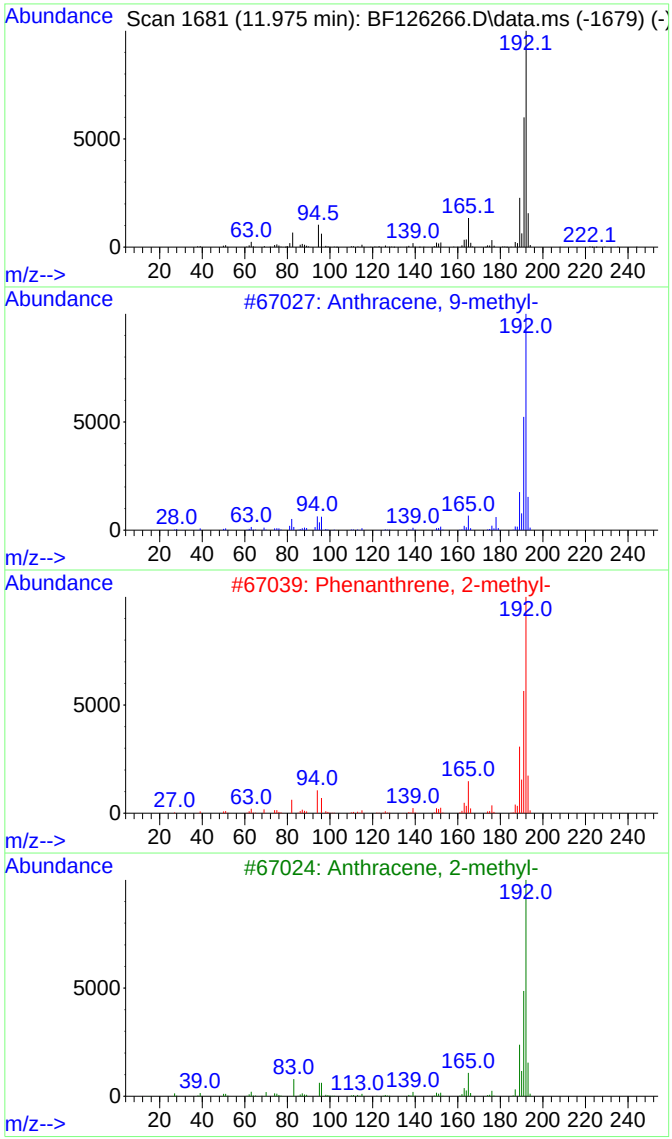
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

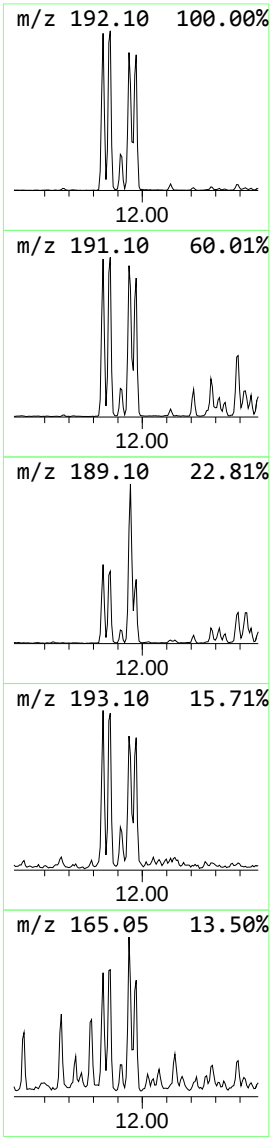
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	6.13 ng	563965	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





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Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

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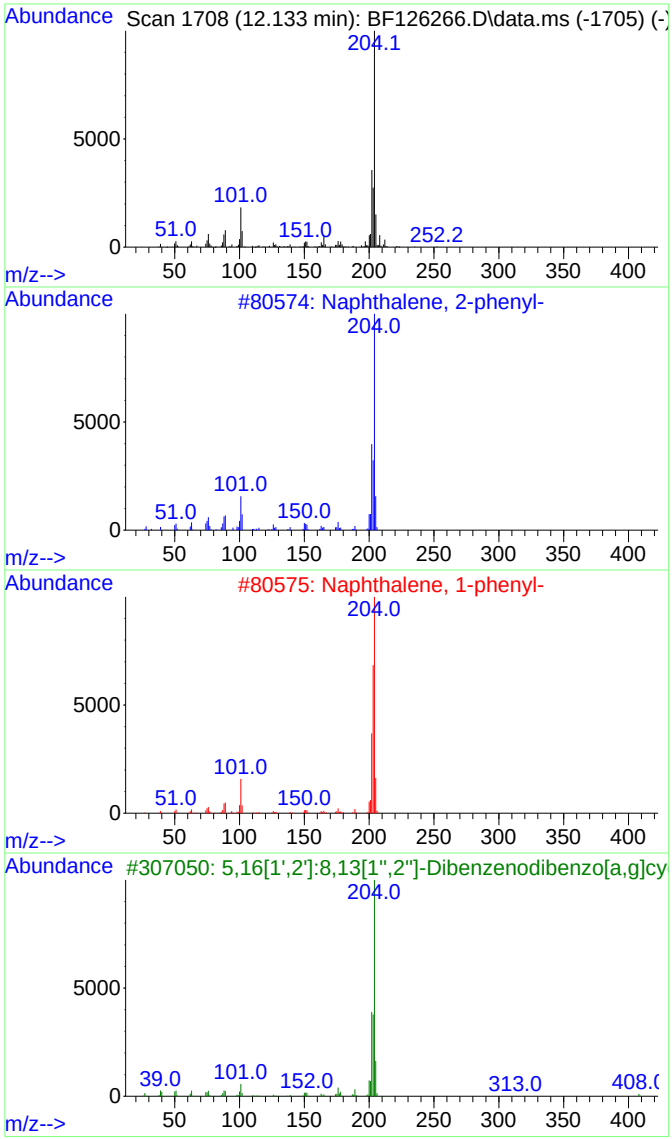
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

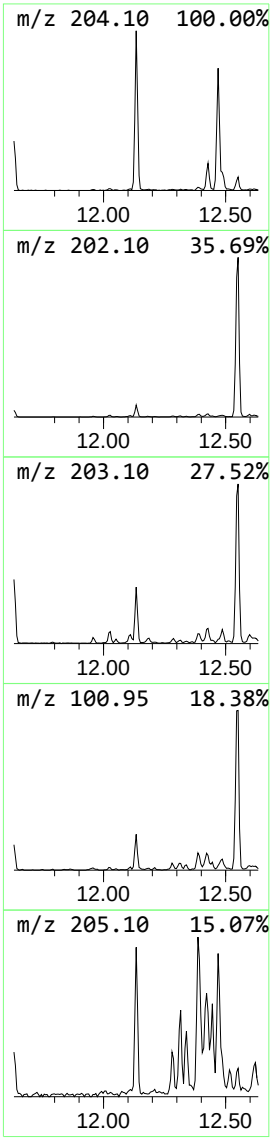
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	4.47 ng	411235	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	58





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

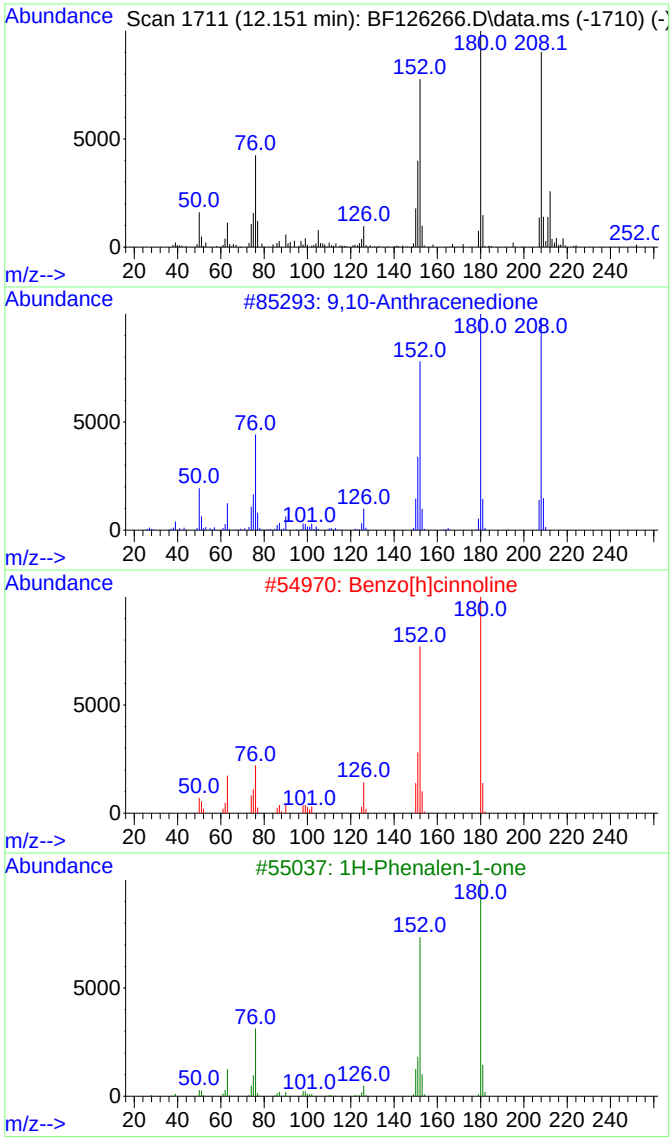
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

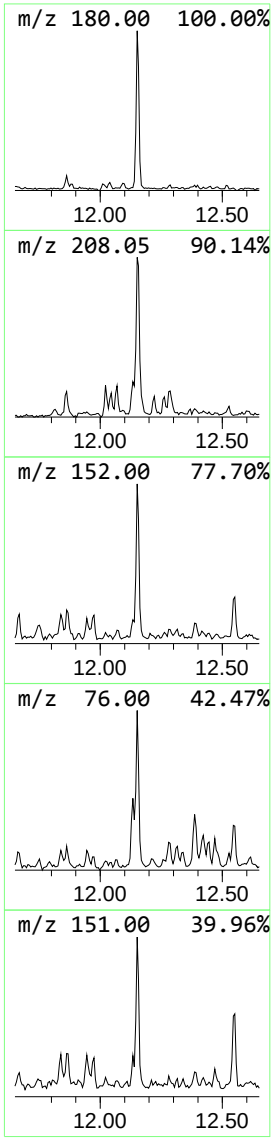
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	3.08 ng	283917	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55





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

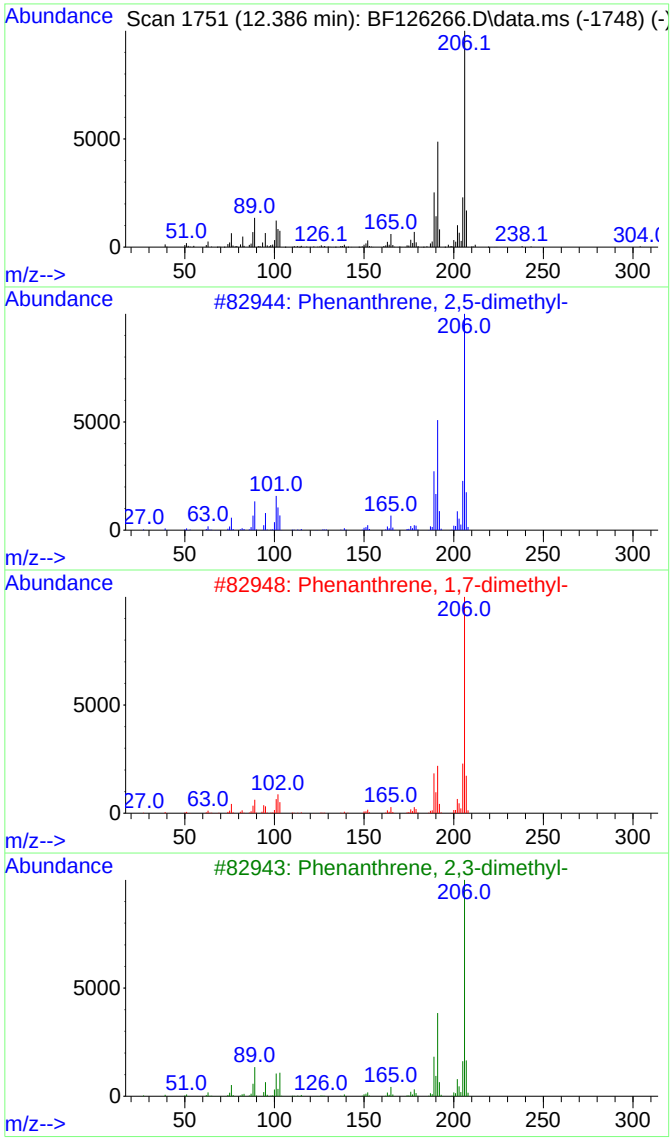
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

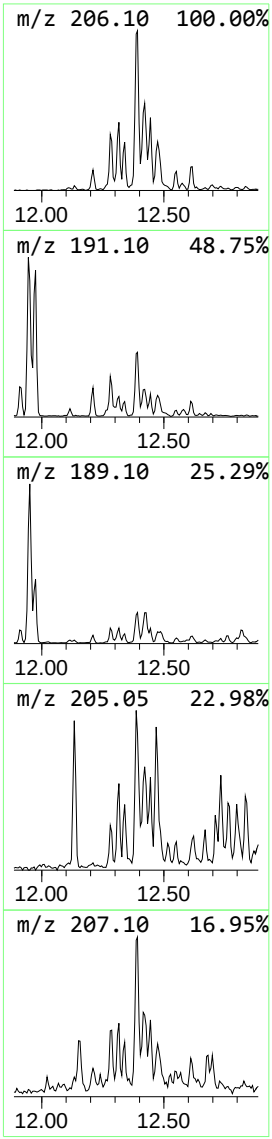
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	4.96 ng	456902	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





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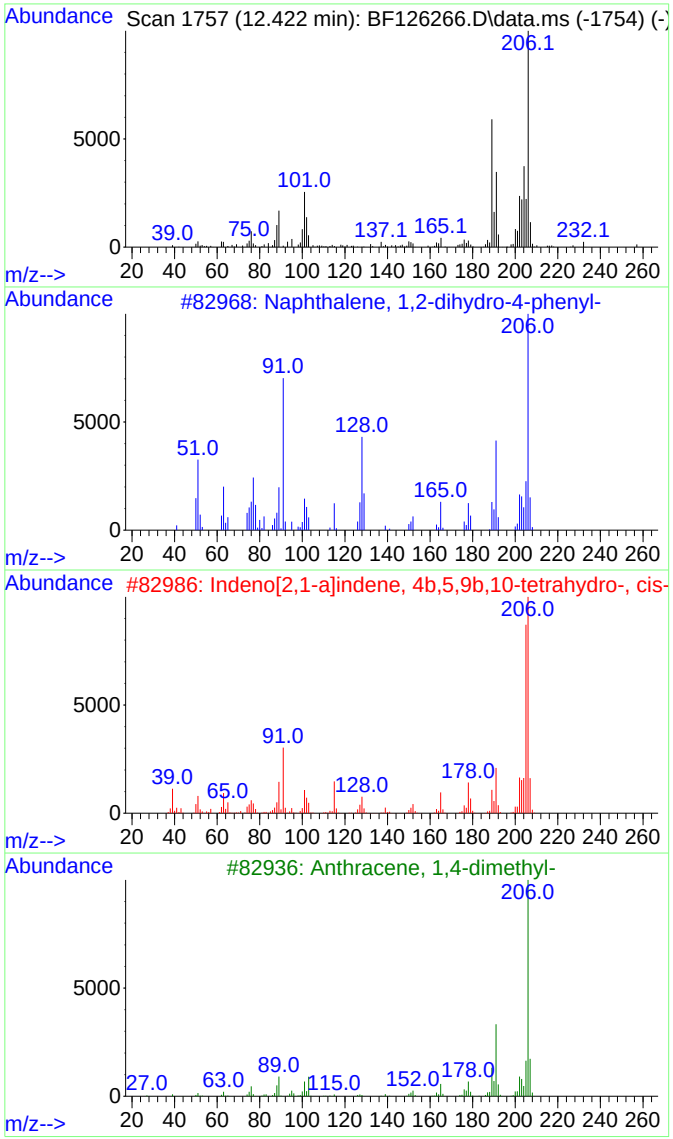
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

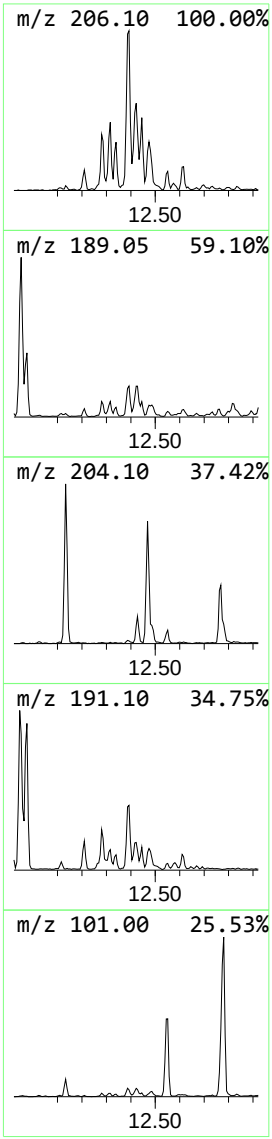
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown12.422 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	3.06 ng	281657	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
2	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	016293-79-1	49
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	49
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46





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Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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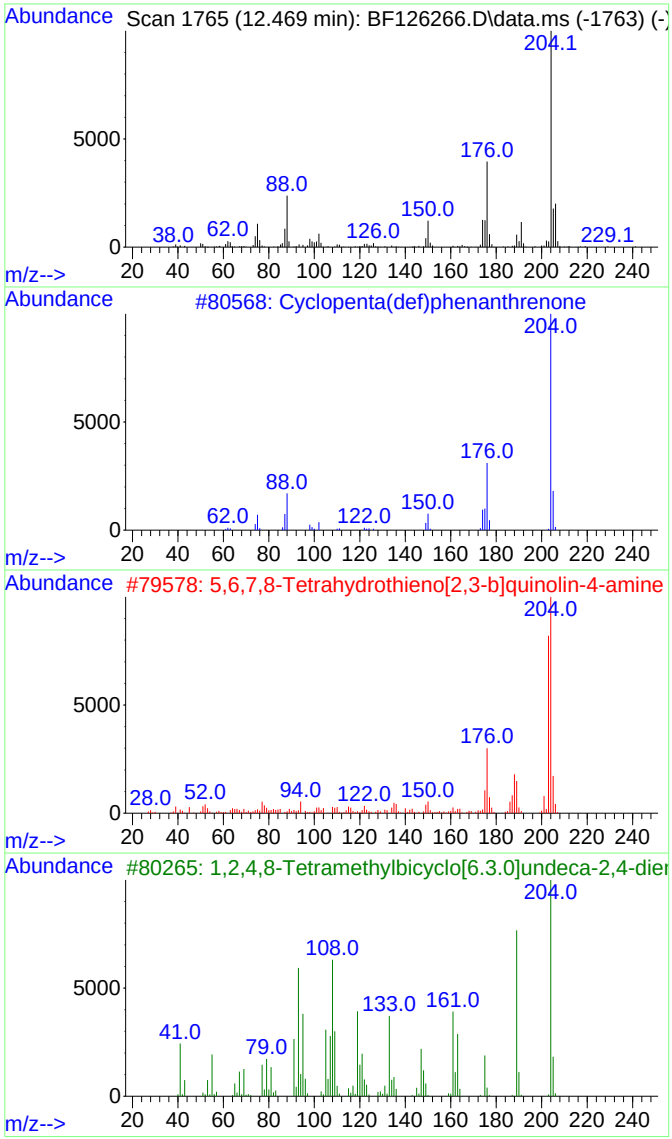
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

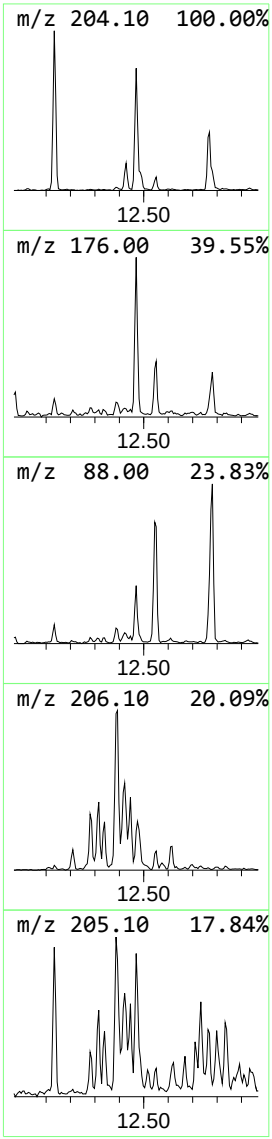
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.74 ng	436446	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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ALS Vial : 20 Sample Multiplier: 1

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

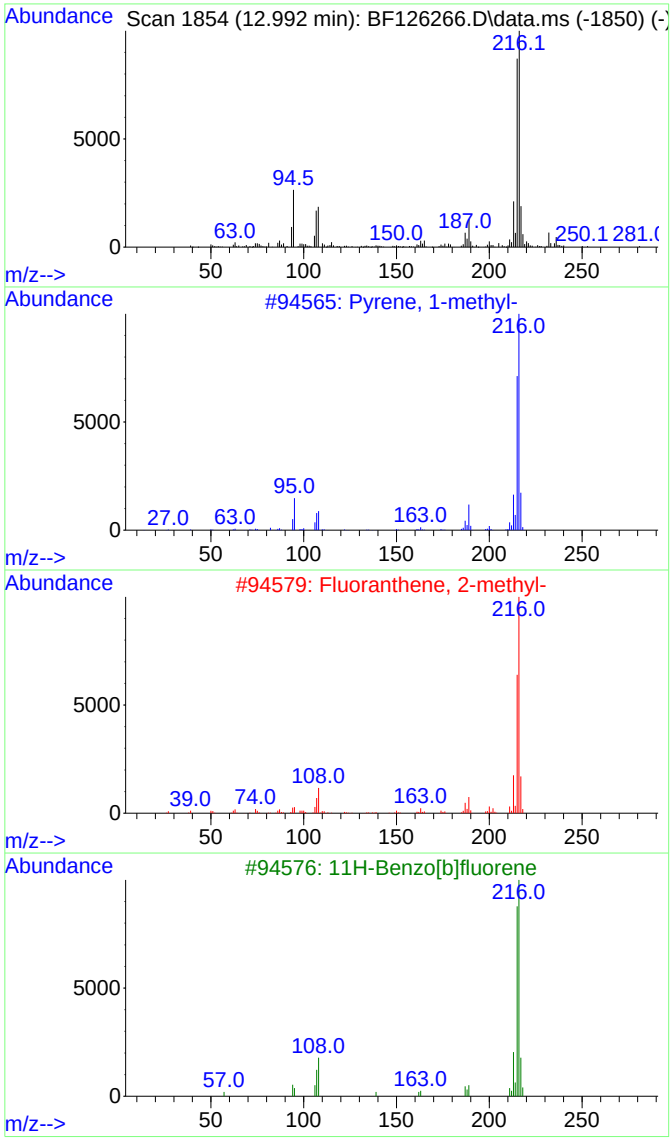
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

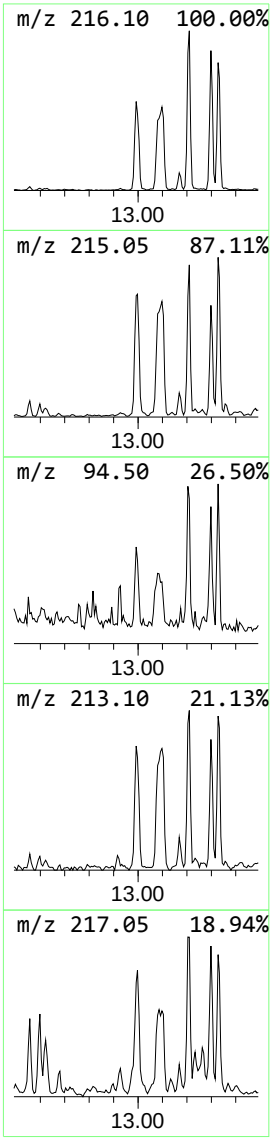
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	4.10 ng	491254	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

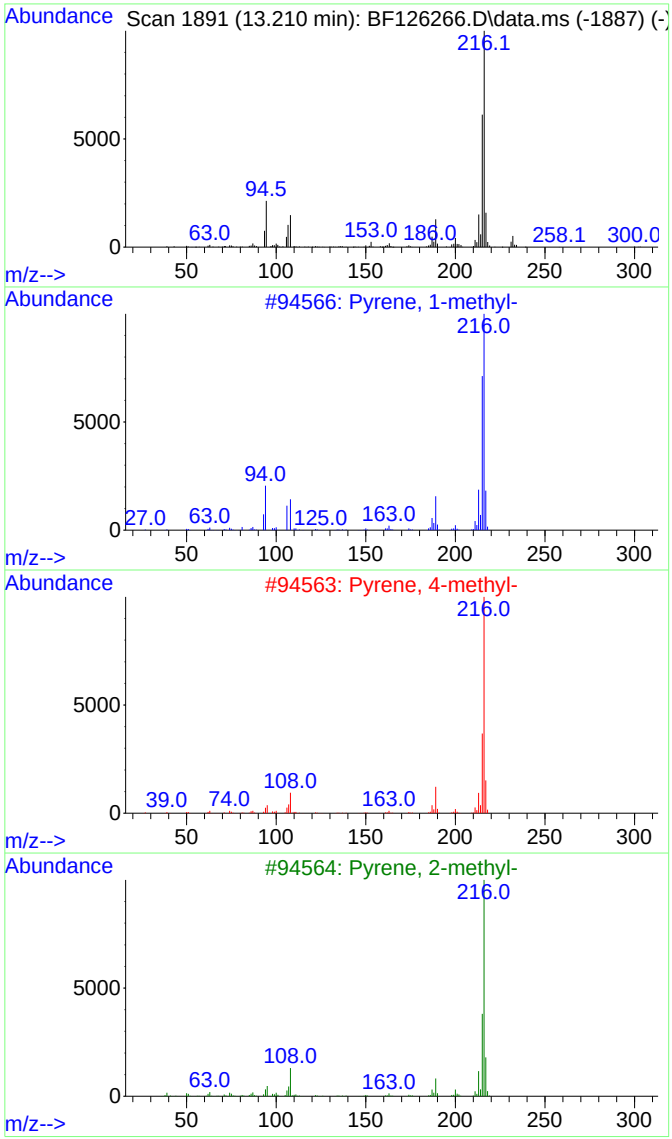
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

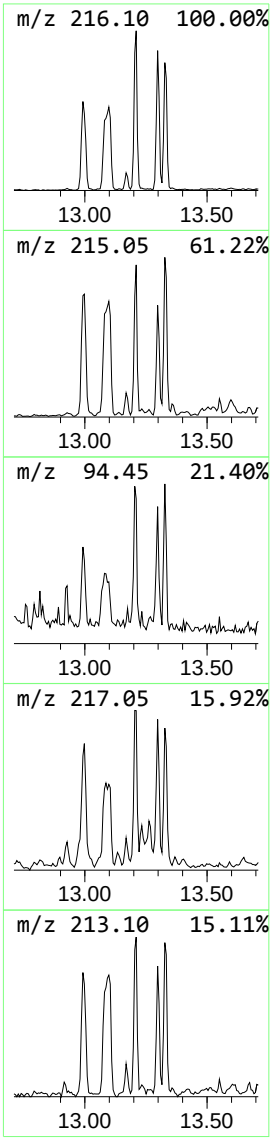
****

Peak Number 13 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	3.94 ng	471685	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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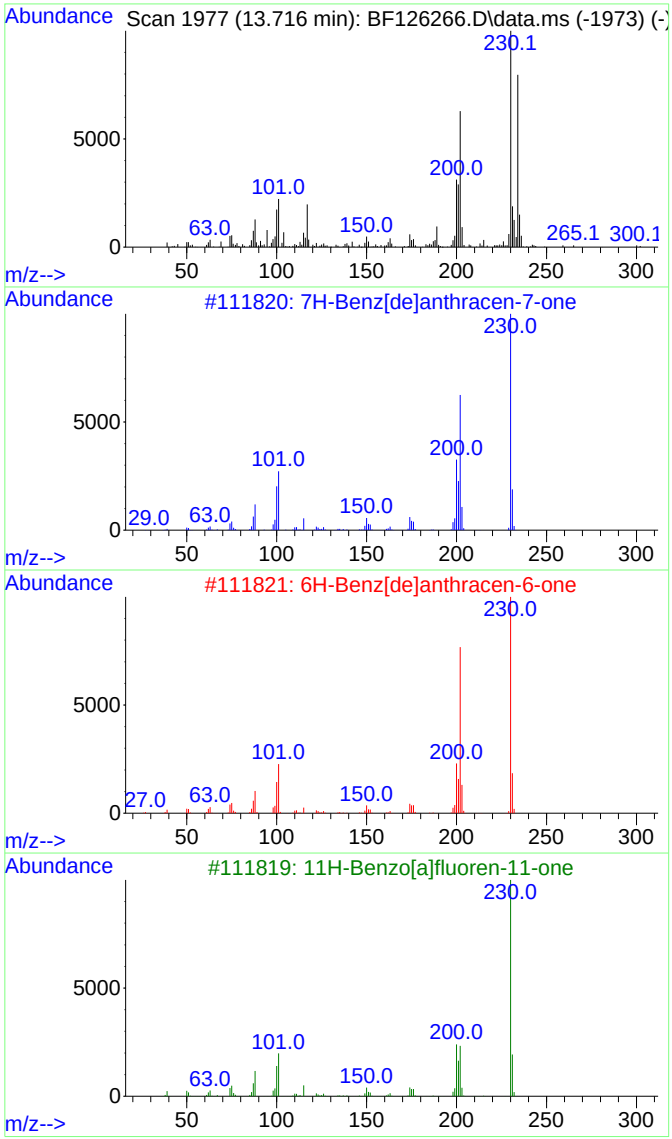
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

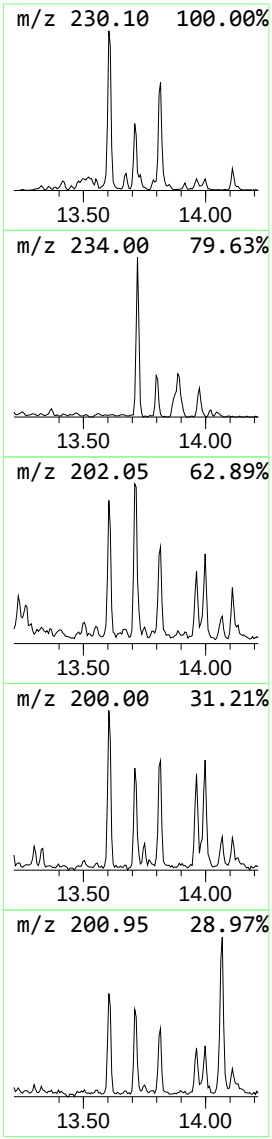
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	3.25 ng	388736	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	50





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Misc :
ALS Vial : 20 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\NIST20.L
TIC Integration Parameters: LSCINT.P

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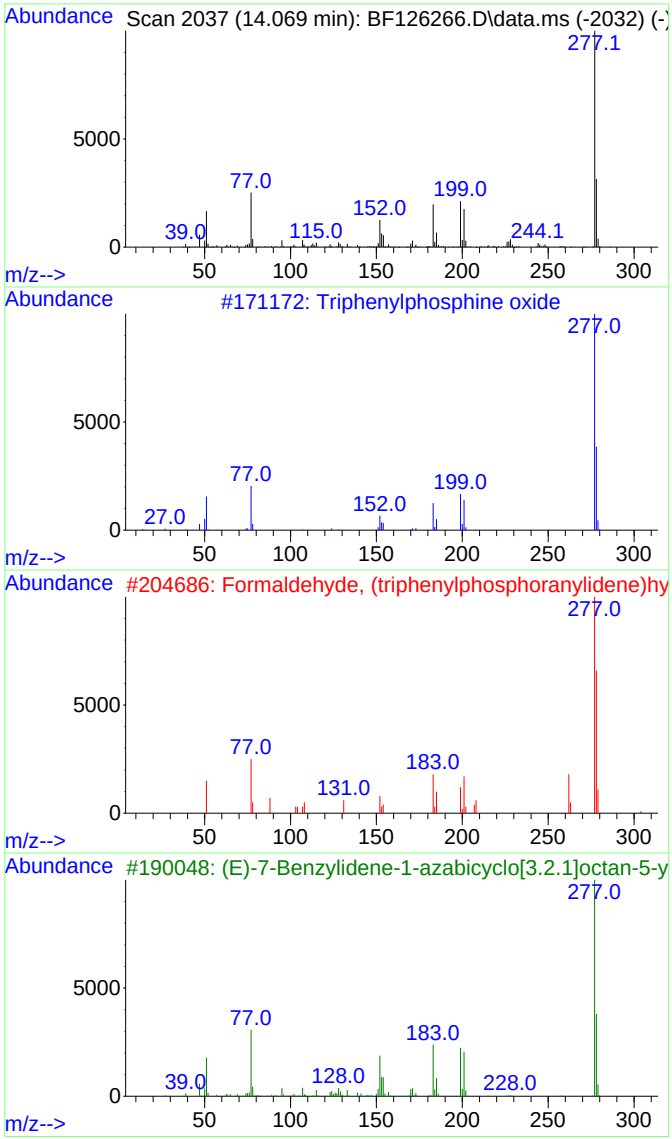
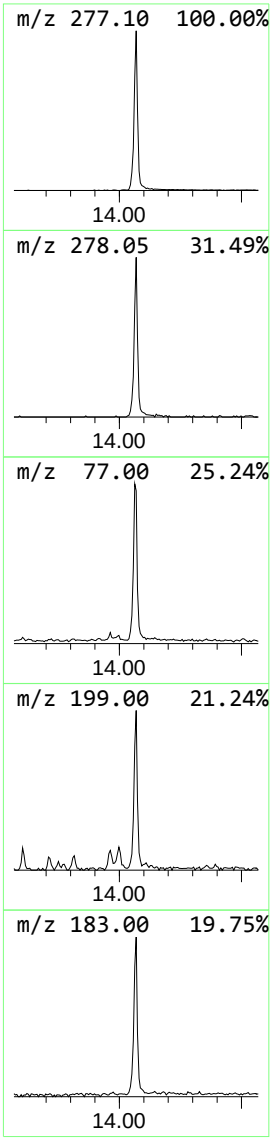
Peak Number 15 Triphenylphosphine oxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.069	5.11 ng	611326	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	97
2	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	64
3	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	47
4	4-Nitro-4'-methyldiphenylsulfone	277	C13H11NO4S	004094-37-5	46
5	2-Phenyl-6-(trifluoromethyl)-1H-...	277	C15H10F3NO	1000387-59-3	37





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Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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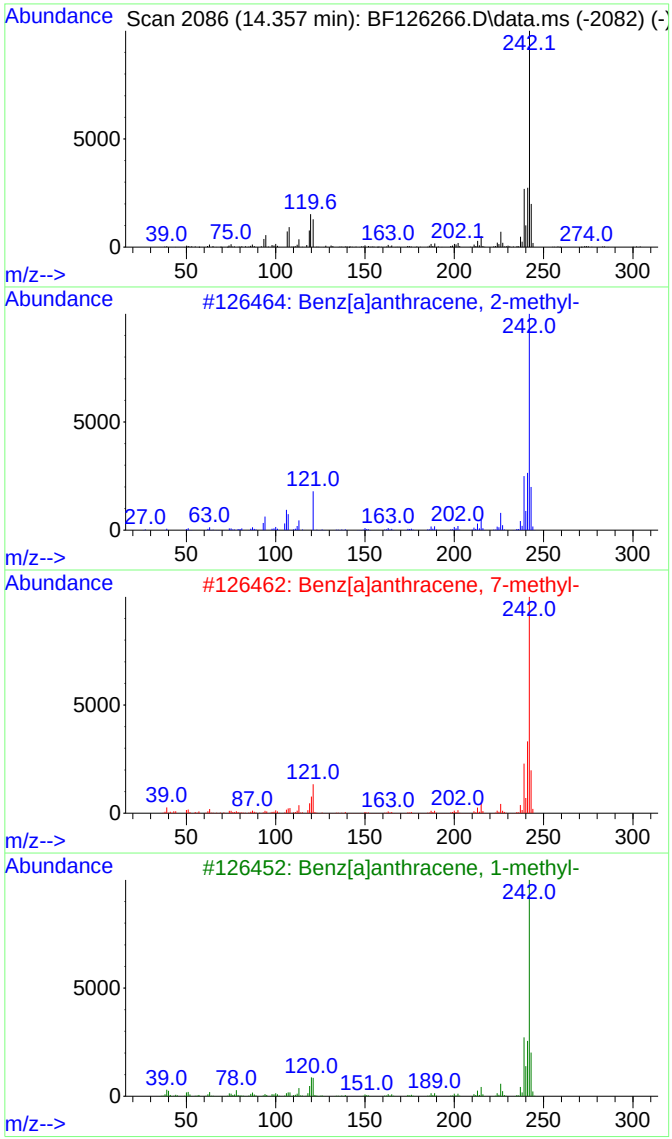
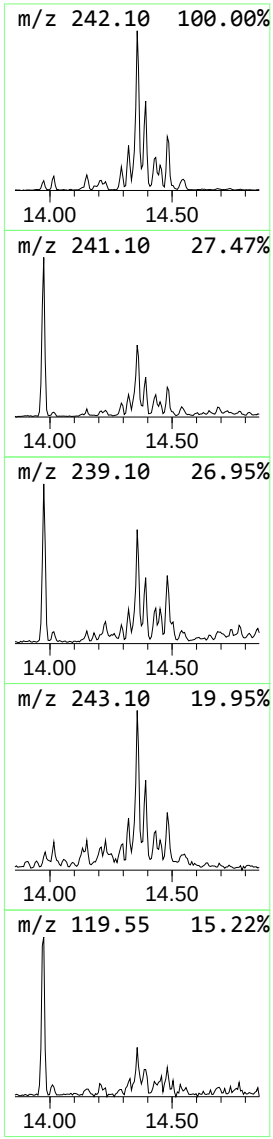
Peak Number 16 Benz[a]anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.357	3.76 ng	450214	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	99
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	98
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	97
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	96
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	95





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Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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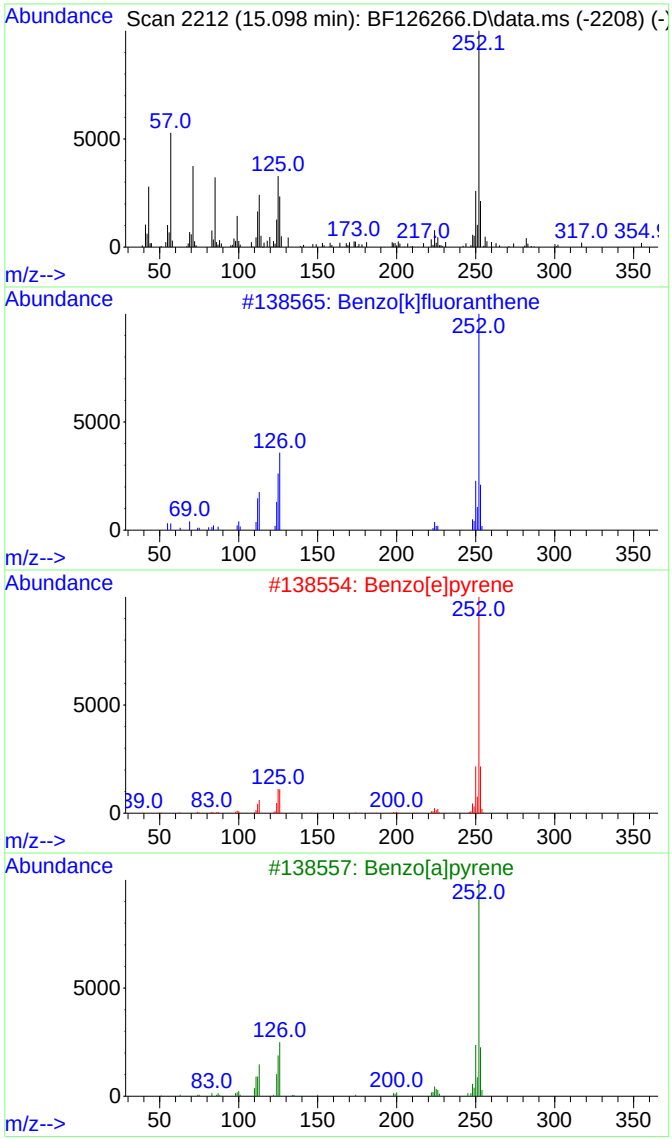
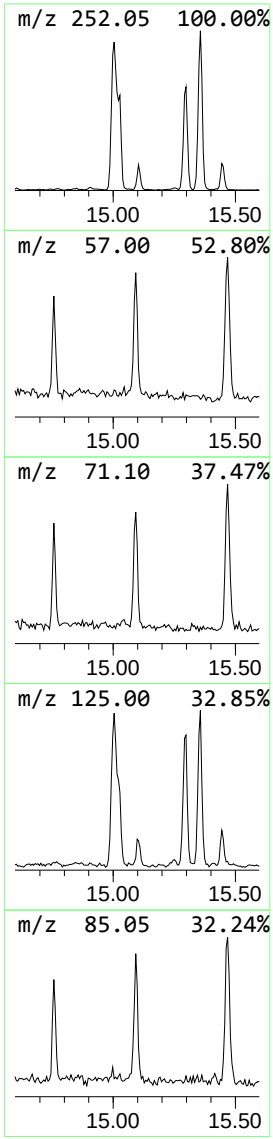
Peak Number 17 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	3.41 ng	190494	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	86
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	70
5	Perylene	252	C20H12	000198-55-0	64





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Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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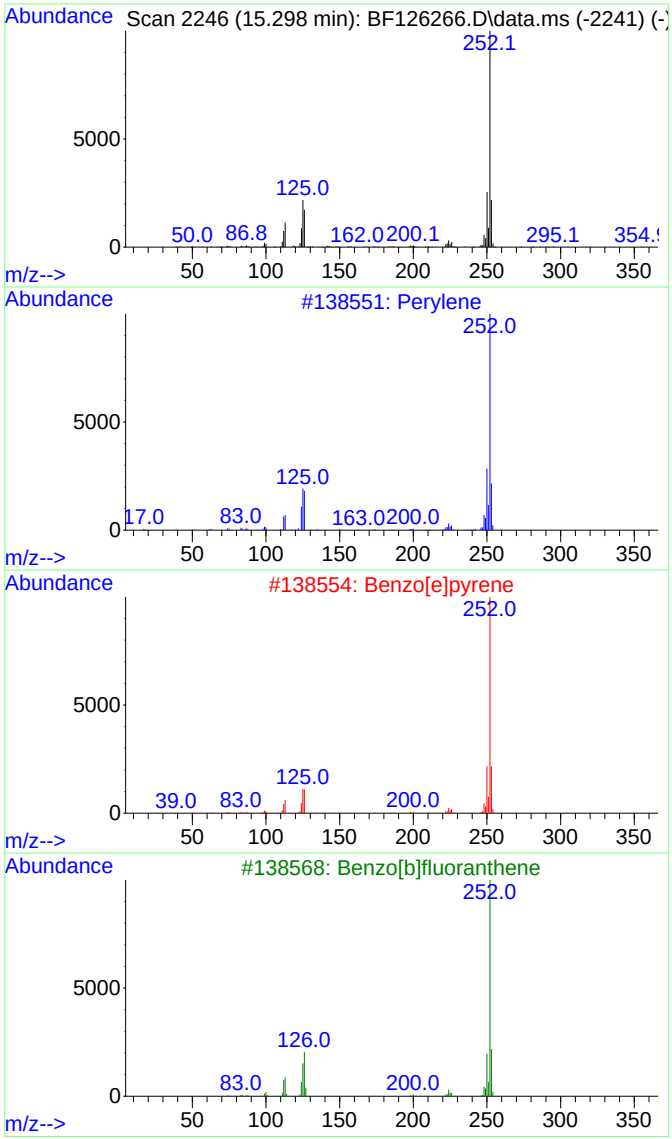
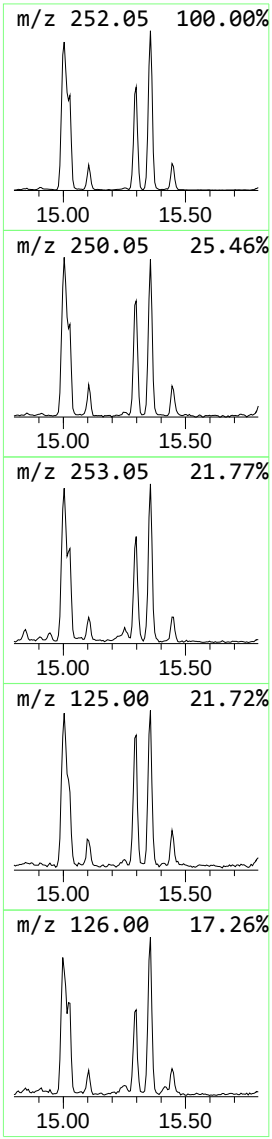
Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	7.73 ng	431833	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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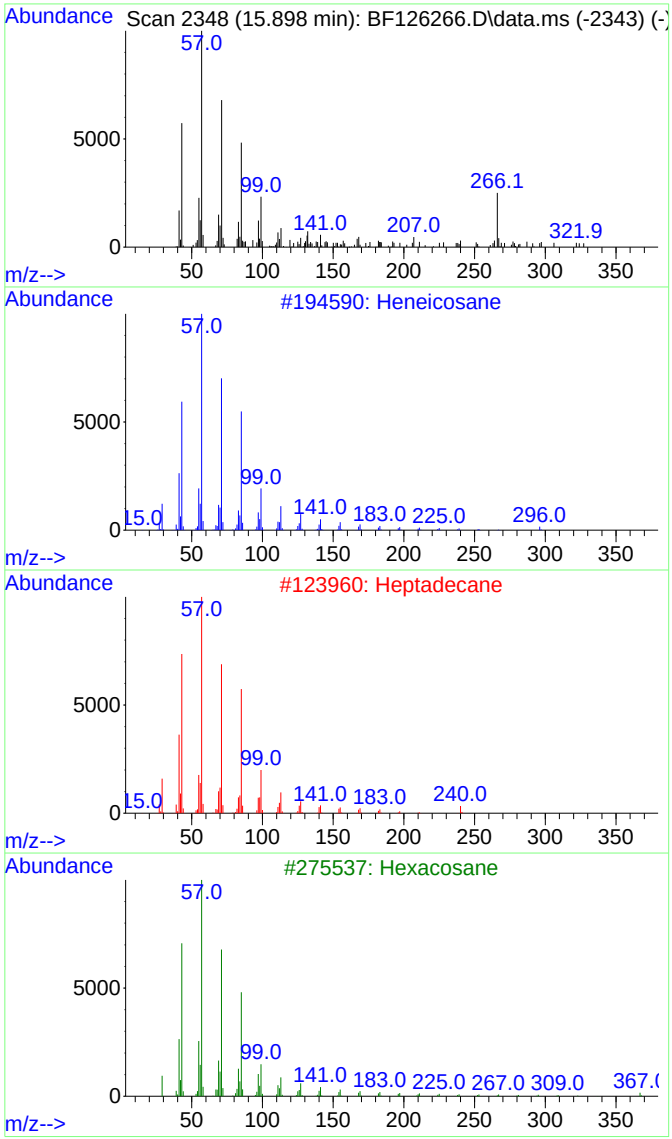
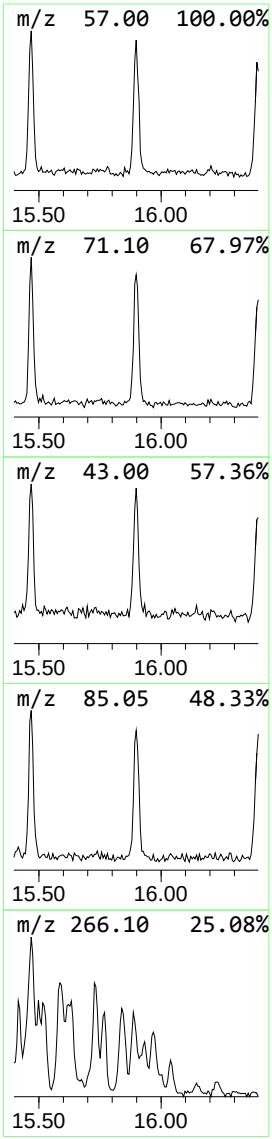
Peak Number 19 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.898	3.23 ng	180386	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Heptadecane	240	C17H36	000629-78-7	89
3	Hexacosane	366	C26H54	000630-01-3	76
4	Octacosane	394	C28H58	000630-02-4	68
5	Tricosane	324	C23H48	000638-67-5	62





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Data File : BF126266.D
Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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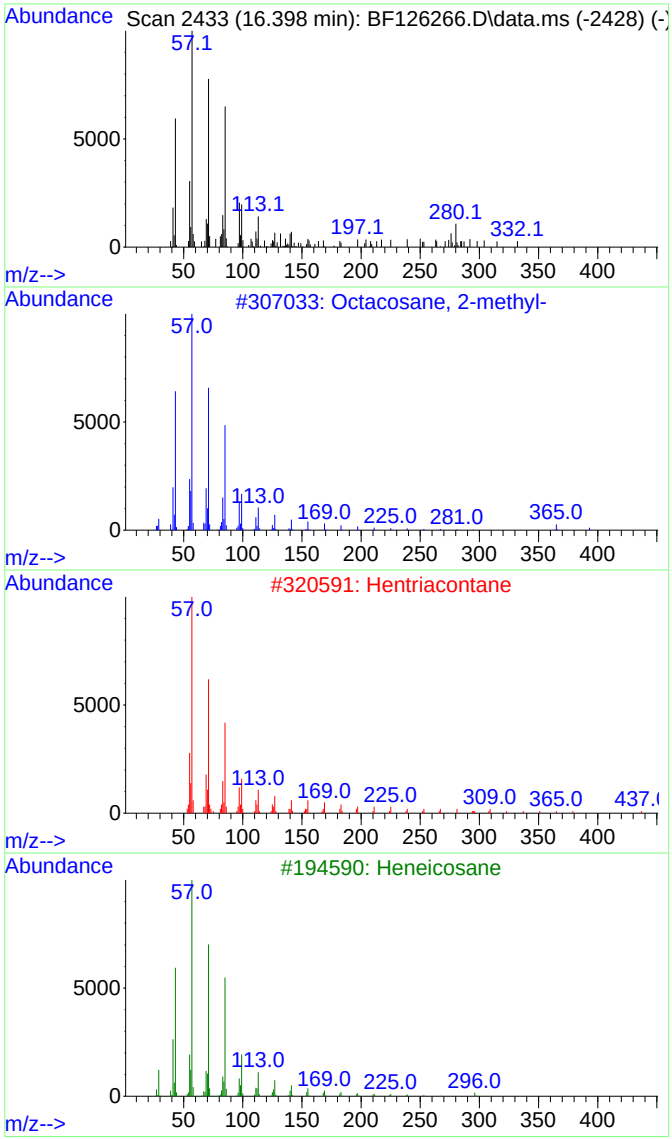
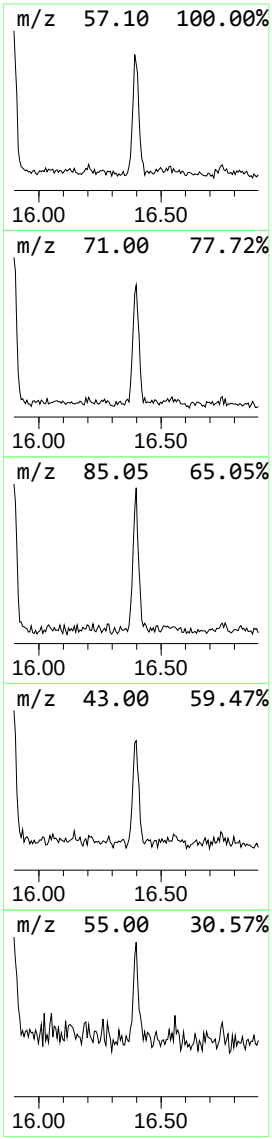
Peak Number 20 Octacosane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.398	3.20 ng	178852	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	74
2	Hentriacontane	437	C31H64	000630-04-6	72
3	Heneicosane	296	C21H44	000629-94-7	68
4	Triacontane	422	C30H62	000638-68-6	64
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126266.D
Acq On : 18 Dec 2021 21:26
Operator : JU/CG
Sample : M5168-04 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
2-Pentanone, 4-...	5.004	4.3	ng	336278	1	6.816	1576860	20.0
Dibenzothiophene	11.233	3.0	ng	278570	4	11.339	1840770	20.0
Phenanthrene, 2...	11.839	8.0	ng	735412	4	11.339	1840770	20.0
Anthracene, 1-m...	11.863	8.1	ng	742952	4	11.339	1840770	20.0
4H-Cyclopenta[d...	11.951	12.4	ng	1143200	4	11.339	1840770	20.0
Anthracene, 9-m...	11.975	6.1	ng	563965	4	11.339	1840770	20.0
Naphthalene, 2-...	12.133	4.5	ng	411235	4	11.339	1840770	20.0
9,10-Anthracene...	12.151	3.1	ng	283917	4	11.339	1840770	20.0
Phenanthrene, 2...	12.386	5.0	ng	456902	4	11.339	1840770	20.0
unknown12.422	12.422	3.1	ng	281657	4	11.339	1840770	20.0
Cyclopenta(def)...	12.469	4.7	ng	436446	4	11.339	1840770	20.0
Pyrene, 1-methyl-	12.992	4.1	ng	491254	5	13.974	2393510	20.0
Pyrene, 4-methyl-	13.210	3.9	ng	471685	5	13.974	2393510	20.0
7H-Benz[de]anth...	13.716	3.3	ng	388736	5	13.974	2393510	20.0
Triphenylphosph...	14.069	5.1	ng	611326	5	13.974	2393510	20.0
Benz[a]anthrace...	14.357	3.8	ng	450214	5	13.974	2393510	20.0
Benzo[e]pyrene	15.098	3.4	ng	190494	6	15.421	1117340	20.0
Perylene	15.298	7.7	ng	431833	6	15.421	1117340	20.0
Heneicosane	15.898	3.2	ng	180386	6	15.421	1117340	20.0
Octacosane, 2-m...	16.398	3.2	ng	178852	6	15.421	1117340	20.0