LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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: BF126358.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	491	496	506	rVB	288498	309228	7.04%	0.514%
2	5.416	562	566	576	rBV	1587303	1394906	31.77%	2.320%
3	6.434	734	739	742	rBV	1989781	1955951	44.55%	3.253%
4	6.810	799	803	806	rBV	780289	627687	14.30%	1.044%
5	7.369	893	898	901	rBV	1437191	1276337	29.07%	2.123%
6	8.092	1017	1021	1023	rBV	955517	855793	19.49%	1.423%
7	8.110	1023	1024	1028	rVB	297528	207696	4.73%	0.345%
8	8.804	1138	1142	1146	rBV	734640	586288	13.35%	0.975%
9	8.904	1154	1159	1162	rBV	618354	496434	11.31%	0.826%
10	9.169	1200	1204	1207	rBV	2384277	1944936	44.30%	3.235%
11	9.269	1215	1221	1224	rBV2	137406	141197	3.22%	0.235%
12	9.363	1234	1237	1242	rVB	317737	291118	6.63%	0.484%
13	9.433	1242	1249	1253	rBV	336127	452142	10.30%	0.752%
14	9.504	1257	1261	1264	rBV	595083	596605	13.59%	0.992%
15	9.533	1264	1266	1269	rVB	394523	301372	6.86%	0.501%
16	9.622	1278	1281	1287	rVB	352204	352747	8.03%	0.587%
17	9.704	1290	1295	1302	rBV2	241536	249608	5.68%	0.415%
18	9.845	1313	1319	1322	rBV2	951837	919803	20.95%	1.530%
19	9.880	1322	1325	1328	rVB	796892	686646	15.64%	1.142%
20	9.951	1334	1337	1342	rBV	188449	249346	5.68%	0.415%
21	10.004	1342	1346	1348	rVV2	191651	207638	4.73%	0.345%
22	10.051	1350	1354	1357	rVB	281439	288189	6.56%	0.479%
23	10.086	1357	1360	1364	rBV	199375	172961	3.94%	0.288%
24	10.163	1369	1373	1376	rBV	169523	158567	3.61%	0.264%
25	10.251	1384	1388	1390	rBV2	153573	200799	4.57%	0.334%
26	10.392	1408	1412	1418	rBV	602349	556131	12.67%	0.925%
27	10.445	1418	1421	1422	rVV2	156879	165343	3.77%	0.275%
28	10.457	1422	1423	1425	rVV	240347	179420	4.09%	0.298%
29	10.480	1425	1427	1429	rVV2	237357	179981	4.10%	0.299%
30	10.528	1433	1435	1437	rVV2	144185	147697	3.36%	0.246%
31	10.551	1437	1439	1443	rVB3	176580	188647	4.30%	0.314%
32	10.633	1448	1453	1457	rVV	586023	602637	13.73%	1.002%
33	10.939	1499	1505	1508	rBV3	189096	283796	6.46%	0.472%
34	10.969	1508	1510	1513	rVV2	192901	173781	3.96%	0.289%
35	11.133	1535	1538	1543	rVV	541412	516751	11.77%	0.859%
36	11.186	1543	1547	1551	rVV6	75751	151934	3.46%	0.253%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
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Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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	11.227	1551	1554	1560	rVB	664601	564414	12.85%	0.939%
38	11.333	1568	1572	1573	rBV	637157	592301	13.49%	0.985%
39	11.363	1573	1577	1580	rVV	3948384	4390693	100.00%	7.303%
40	11.410	1580	1585	1588	rVB	944330	796919	18.15%	1.325%
41	11.627	1619	1622	1625	rVV	255485	226030	5.15%	0.376%
42	11.663	1625	1628	1633	rVB	491377	398521	9.08%	0.663%
43	11.745	1640	1642	1646	rVB	202551	203797	4.64%	0.339%
44	11.786	1646	1649	1652	rBV	183868	175890	4.01%	0.293%
45	11.839	1654	1658	1660	rVV	1167541	1151487	26.23%	1.915%
46	11.863	1660	1662	1667	rVV	1430044	1265350	28.82%	2.105%
47	11.910	1667	1670	1673	rVV	285808	254387	5.79%	0.423%
48	11.945	1673	1676	1679	rVV	1365483	1543356	35.15%	2.567%
49	11.969	1679	1680	1684	rVB	1022556	682217	15.54%	1.135%
50	12.022	1684	1689	1691	rBV3	109631	151155	3.44%	0.251%
51	12.133	1705	1708	1710	rVV	747453	738403	16.82%	1.228%
52	12.157	1710	1712	1718	rVV2	920469	779520	17.75%	1.296%
53	12.280	1731	1733	1736	rVV2	292718	278805	6.35%	0.464%
54	12.310	1736	1738	1740	rVV	233229	199882	4.55%	0.332%
55	12.333	1740	1742	1745	rVV2	160111	137598	3.13%	0.229%
56	12.386	1747	1751	1754	rVV	511964	548141	12.48%	0.912%
57	12.421	1754	1757	1759	rVV2	339916	411181	9.36%	0.684%
58	12.469	1762	1765	1771	rVV	607945	620738	14.14%	1.032%
59	12.551	1773	1779	1782	rVV	2406527	2328085	53.02%	3.872%
60	12.592	1784	1786	1788	rVV	137252	146681	3.34%	0.244%
61	12.610	1788	1789	1796	rVB4	164543	178842	4.07%	0.297%
62	12.674	1796	1800	1802	rBV	301842	317497	7.23%	0.528%
63	12.698	1802	1804	1807	rVV	153069	148451	3.38%	0.247%
64	12.780	1812	1818	1823	rBV	2910164	3616973	82.38%	6.016%
65	12.821	1823	1825	1831	rVB2	124218	182221	4.15%	0.303%
66	12.921	1838	1842	1848	rVB	1674203	1620076	36.90%	2.695%
67	12.992	1848	1854	1858	rBV2	408726	607928	13.85%	1.011%
68	13.080	1866	1869	1871	rVV2	303234	413088	9.41%	0.687%
69	13.098	1871	1872	1876	rVB	381376	313763	7.15%	0.522%
70	13.169	1876	1884	1886	rBV6	225903	338701	7.71%	0.563%
71	13.210	1887	1891	1893	rVV	591306	642551	14.63%	1.069%
72	13.233	1893	1895	1898	rVV2	136983	144181	3.28%	0.240%
73	13.298	1903	1906	1909	rBV	427633	370654	8.44%	0.616%
74	13.327	1909	1911	1915	rVB	477975	431491	9.83%	0.718%
75	13.474	1930	1936	1938	rBV5	80081	155696	3.55%	0.259%
76	13.610	1955	1959	1962	rBV	557034	510949	11.64%	0.850%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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	13.716	1973	1977	1981	rBV2	421852	560646	12.77%	0.932%
78	13.751	1981	1983	1985	rVV	383706	280105	6.38%	0.466%
79	13.774	1985	1987	1990	rVB	202710	149453	3.40%	0.249%
80	13.816	1990	1994	1997	rBV2	436346	469929	10.70%	0.782%
81	13.968	2015	2020	2023	rBV2	1584338	2174296	49.52%	3.616%
82	14.004	2023	2026	2030	rVB	1418924	1424423	32.44%	2.369%
83	14.145	2047	2050	2056	rVB5	203637	326067	7.43%	0.542%
84	14.363	2082	2087	2090	rVV	494066	467593	10.65%	0.778%
85	14.392	2090	2092	2095	rVB	324086	290278	6.61%	0.483%
86	14.451	2096	2102	2105	rBV4	276604	375220	8.55%	0.624%
87	14.486	2105	2108	2110	rBV	233950	203981	4.65%	0.339%
88	14.510	2110	2112	2115	rVB2	187267	150222	3.42%	0.250%
89	14.557	2117	2120	2123	rVB2	141850	149995	3.42%	0.249%
90	14.833	2162	2167	2177	rBV3	189973	389554	8.87%	0.648%
91	14.910	2177	2180	2189	rVB3	124478	221618	5.05%	0.369%
92	15.004	2191	2196	2199	rBV2	774877	1226028	27.92%	2.039%
93	15.298	2242	2246	2252	rVV	552526	812805	18.51%	1.352%
94	15.362	2252	2257	2262	rVV	785355	994620	22.65%	1.654%
95	15.421	2263	2267	2270	rVV	549626	689791	15.71%	1.147%
96	15.451	2270	2272	2280	rVB4	176782	324218	7.38%	0.539%
97	16.521	2451	2454	2468	rVB7	103593	284806	6.49%	0.474%
98	16.851	2504	2510	2517	rBV2	202479	406347	9.25%	0.676%
99	17.274	2577	2582	2595	rVB2	170083	366748	8.35%	0.610%
100	18.815	2832	2844	2857	rVB3	191841	737683	16.80%	1.227%

Sum of corrected areas: 60125151

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
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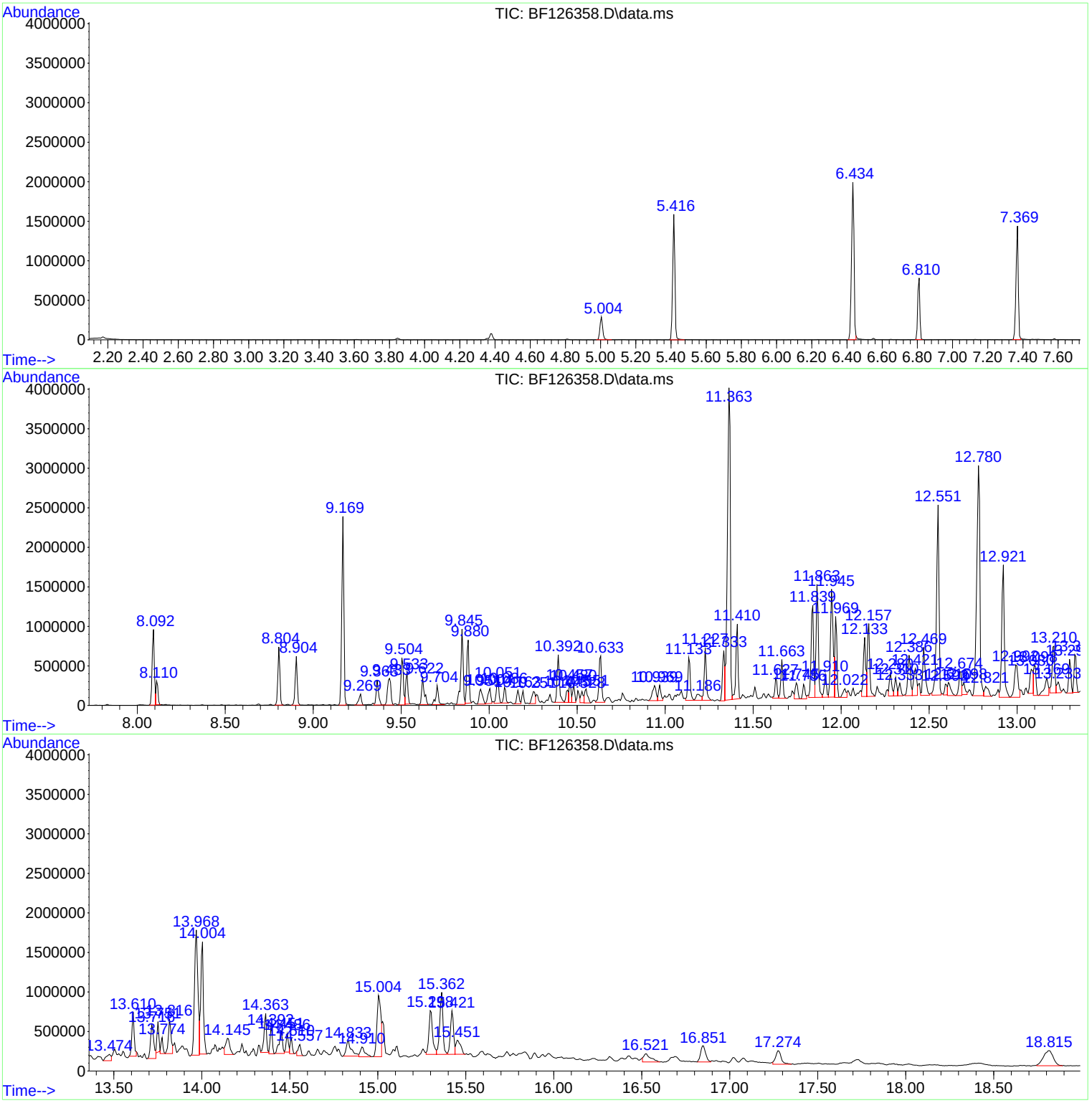
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
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Instrument :
BNA_F
ClientSampleId :
SB-21-G2

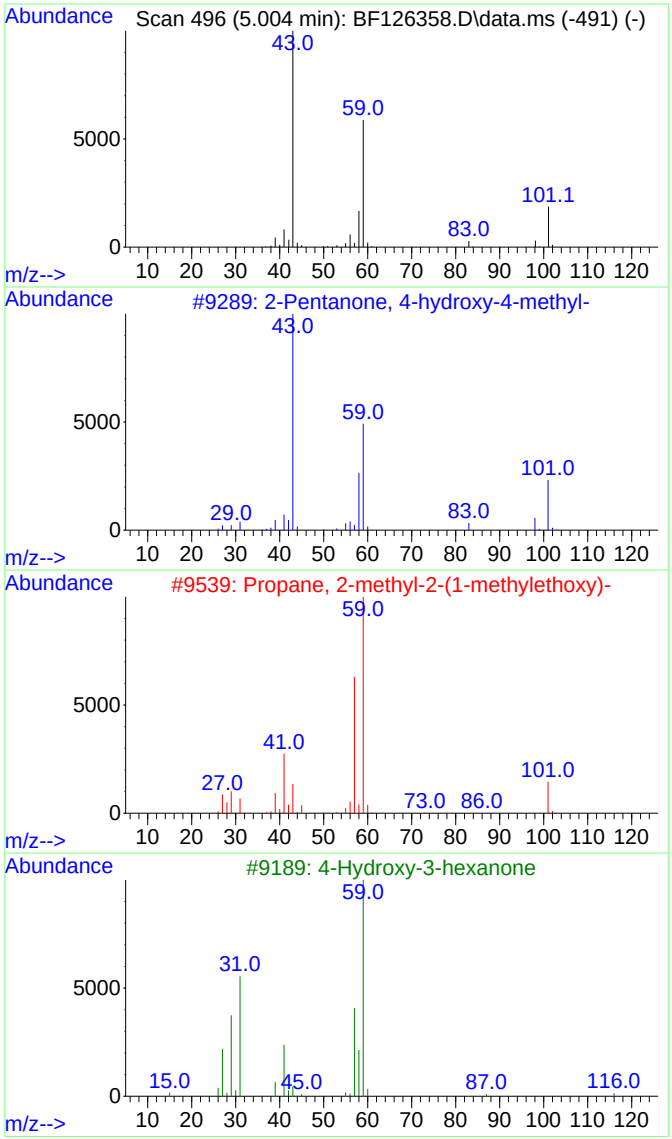
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

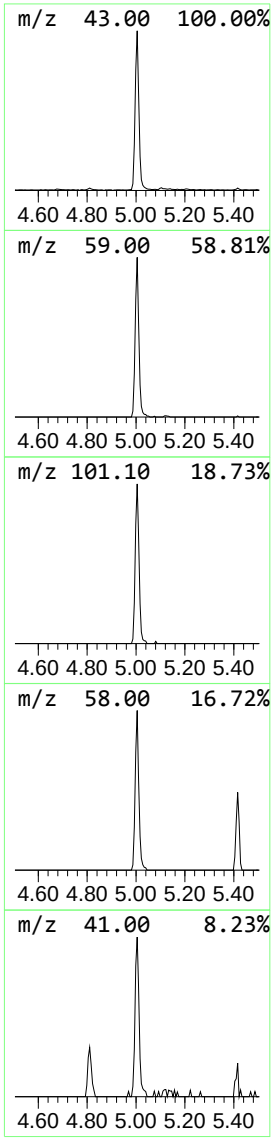
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.004	9.85 ng	309228	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

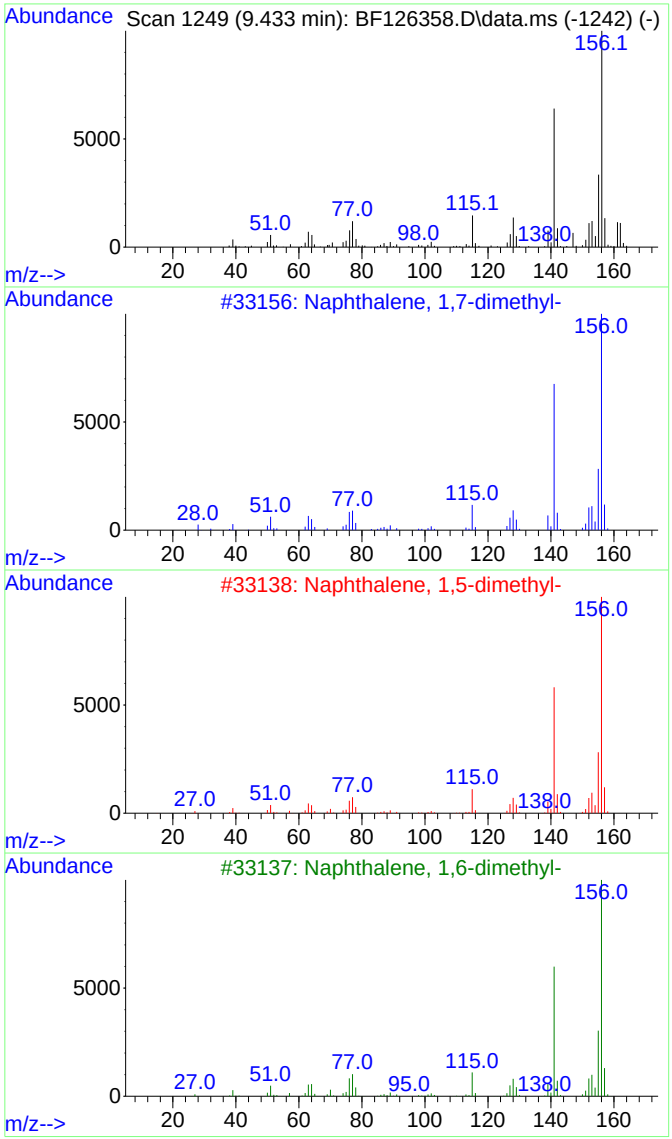
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

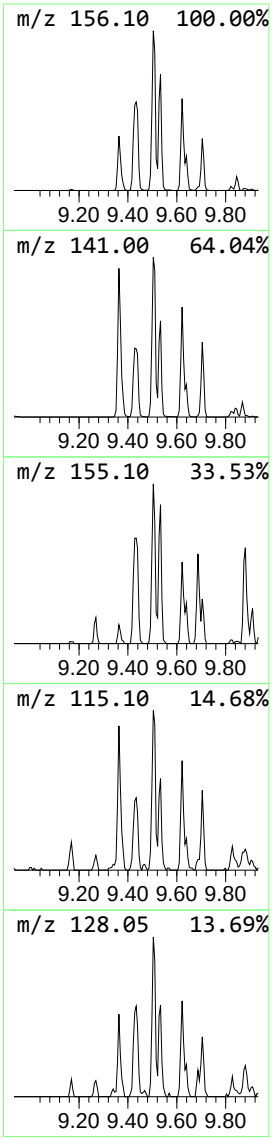
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	9.83 ng	452142	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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

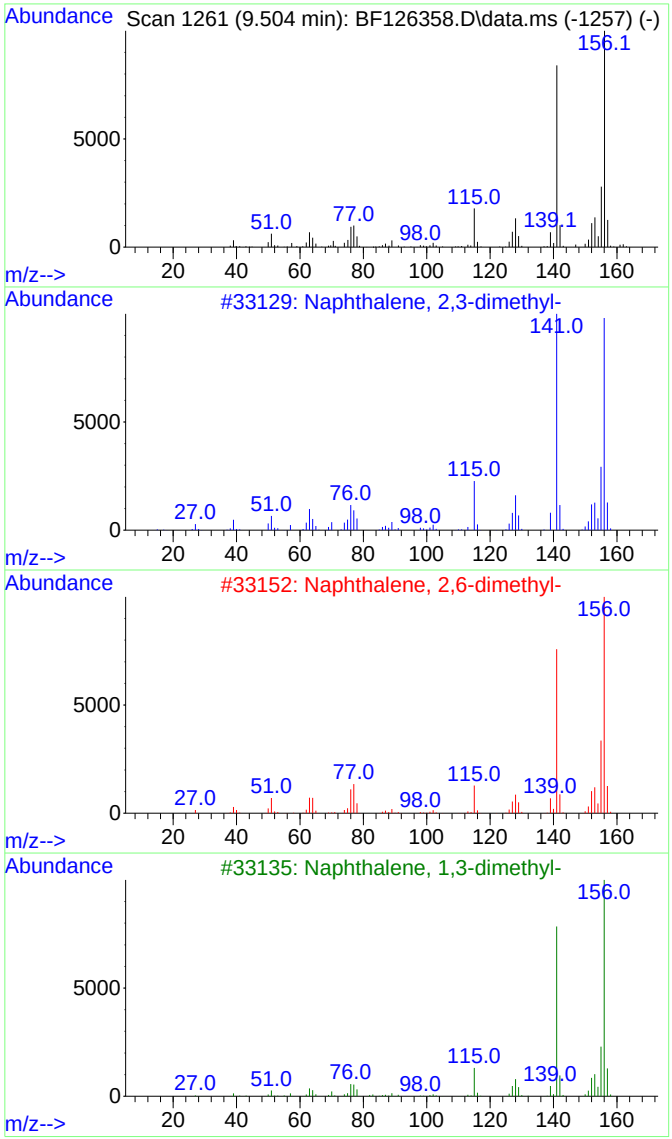
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

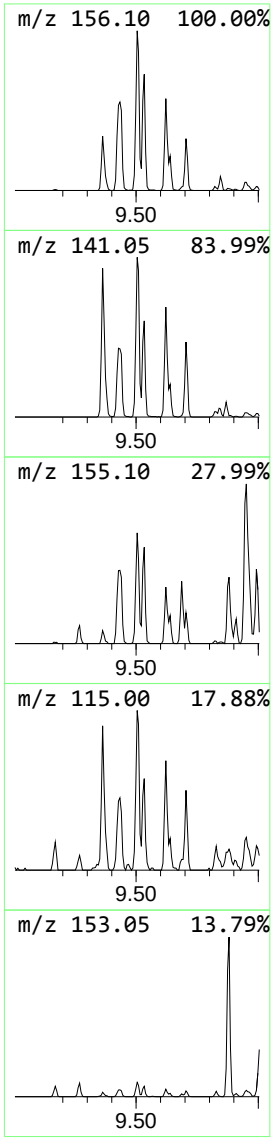
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	12.97 ng	596605	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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

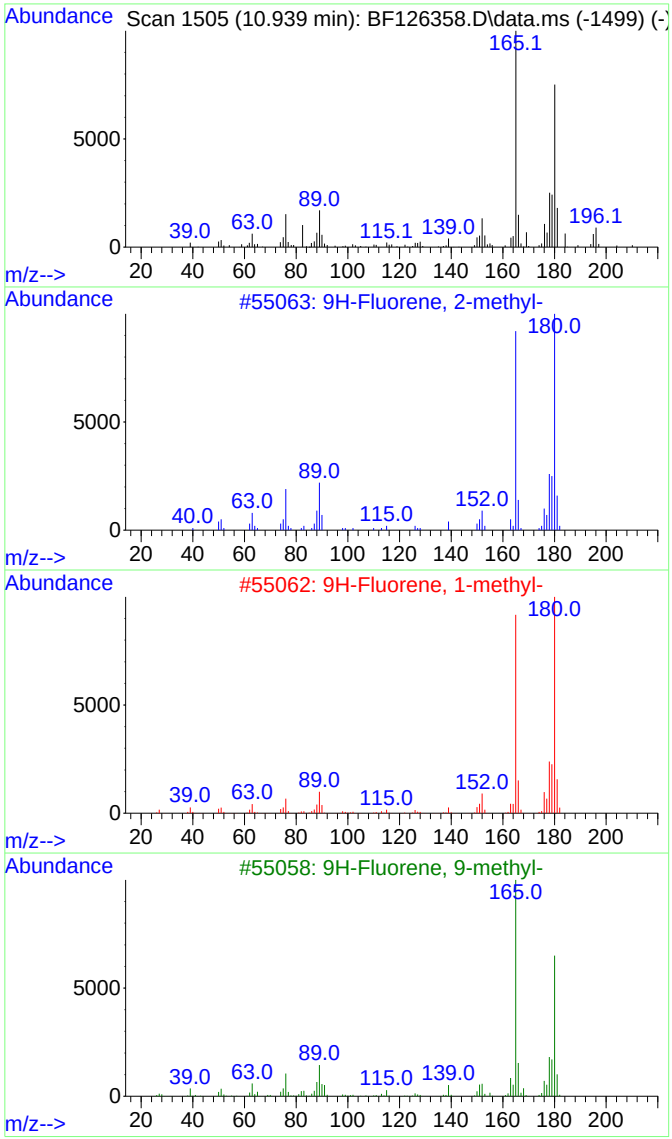
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

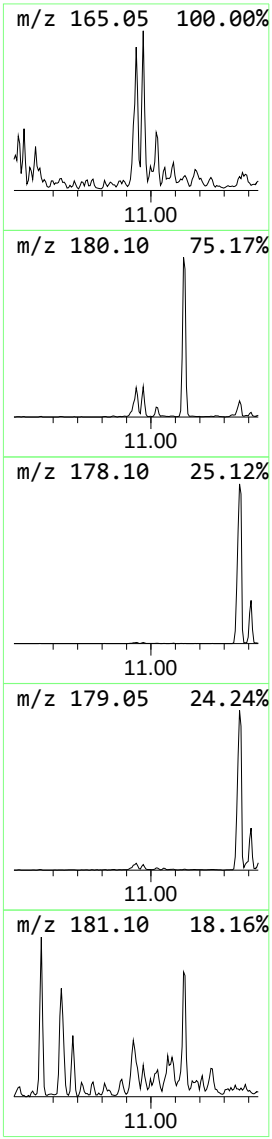
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.939	9.58 ng	283796	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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

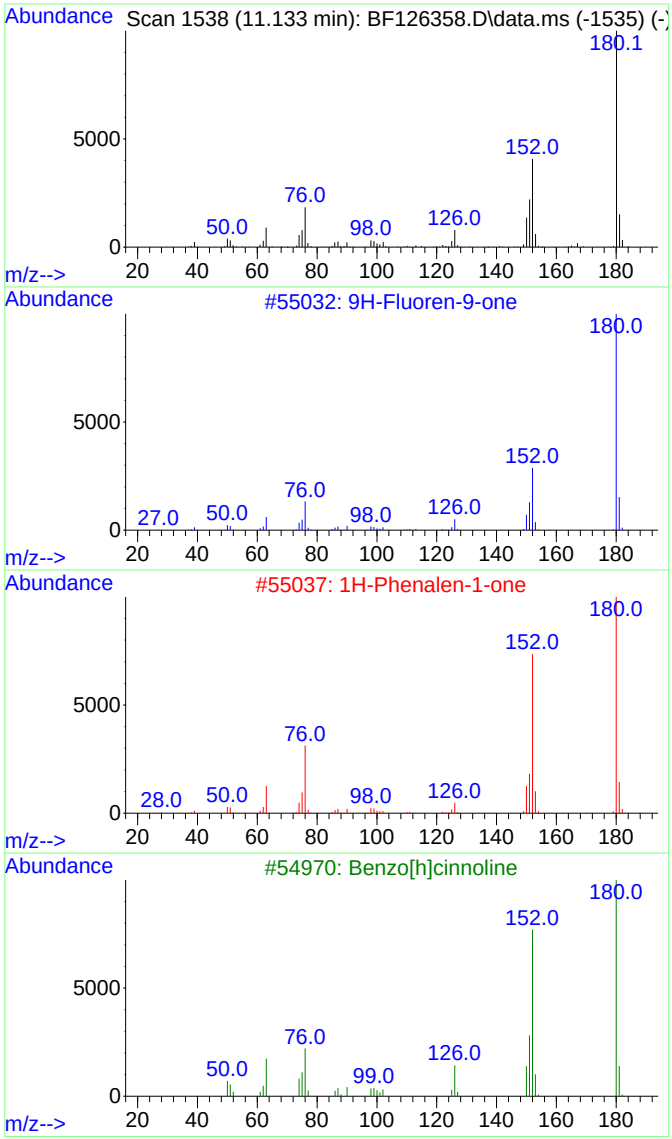
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

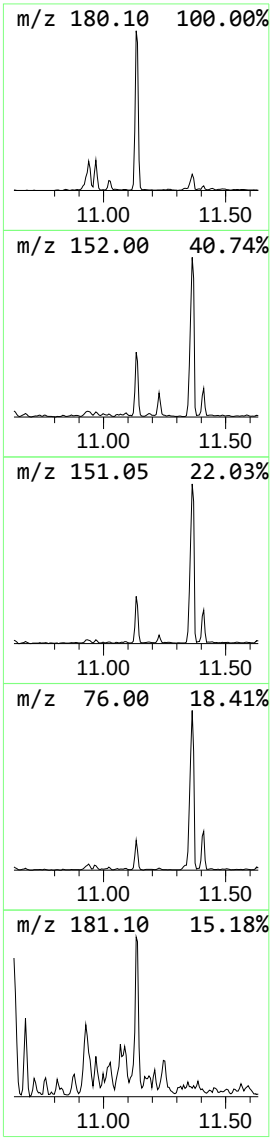
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	17.45 ng	516751	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5	Anthracene, 1,2-dihydro-	180	C14H12	058746-82-0	46





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Operator : JU/CG
Sample : M5218-04
Misc :
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ClientSampleId :
SB-21-G2

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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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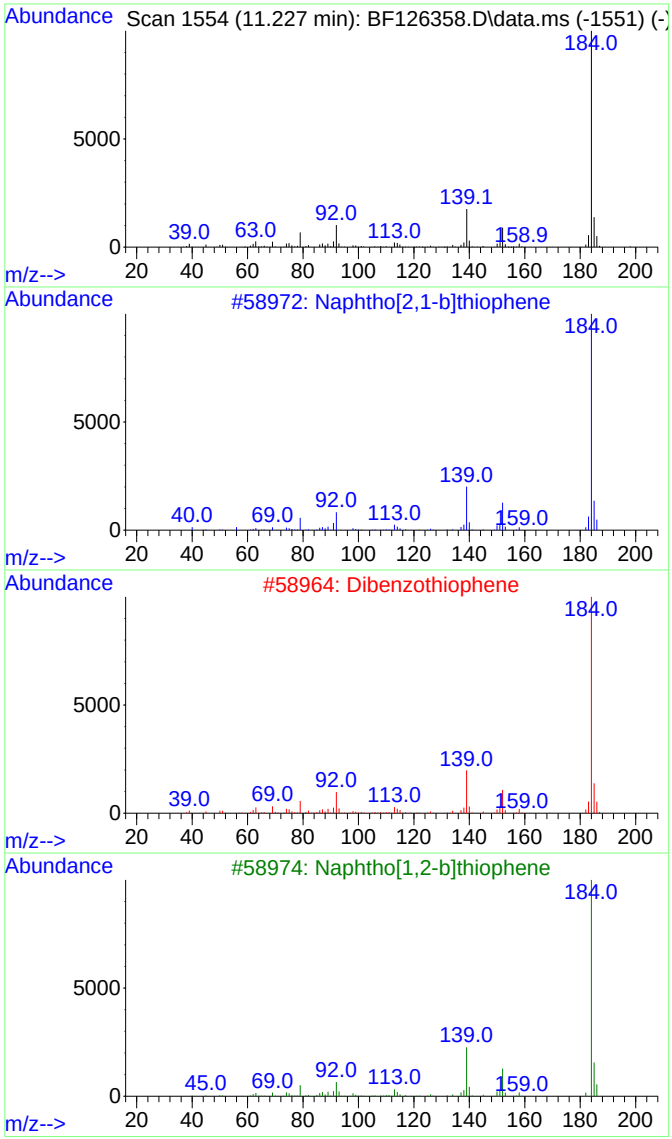
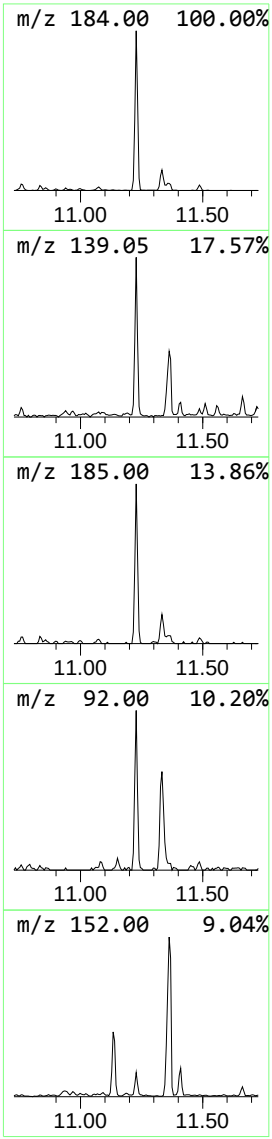
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	19.06 ng	564414	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
SB-21-G2

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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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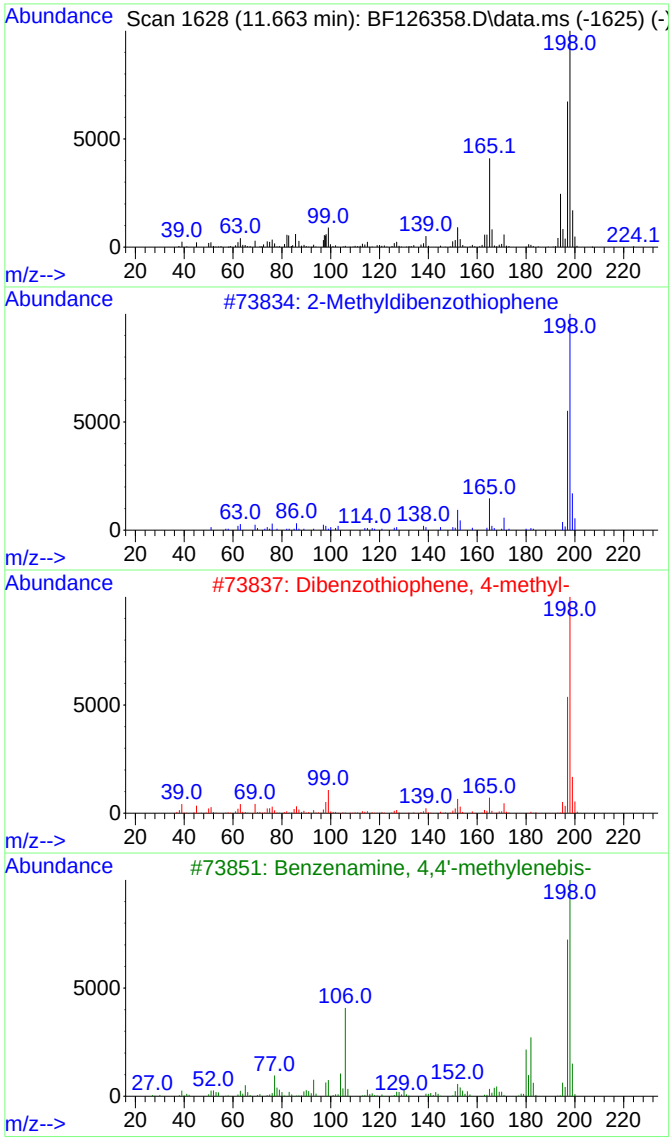
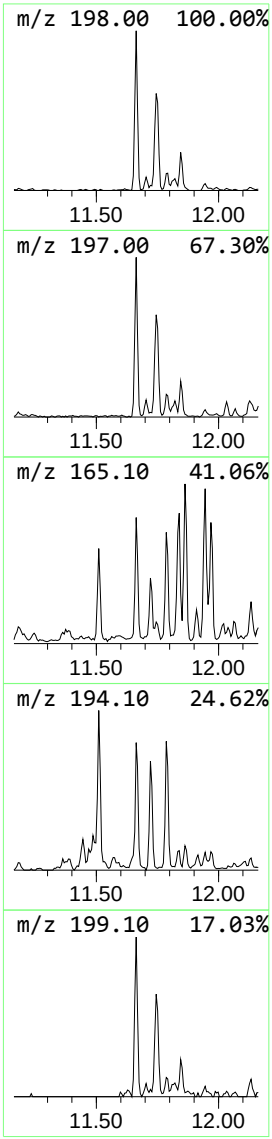
Peak Number 7 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.663	13.46 ng	398521	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	76
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	70
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
5	Thioxanthene	198	C13H10S	000261-31-4	64





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ALS Vial : 5 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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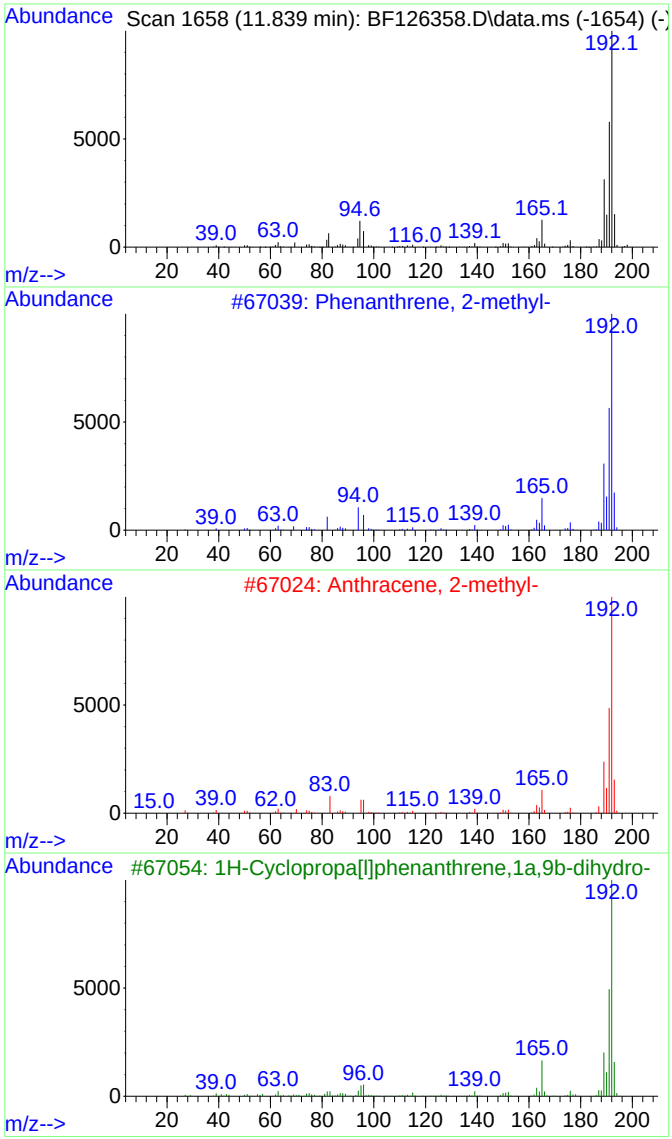
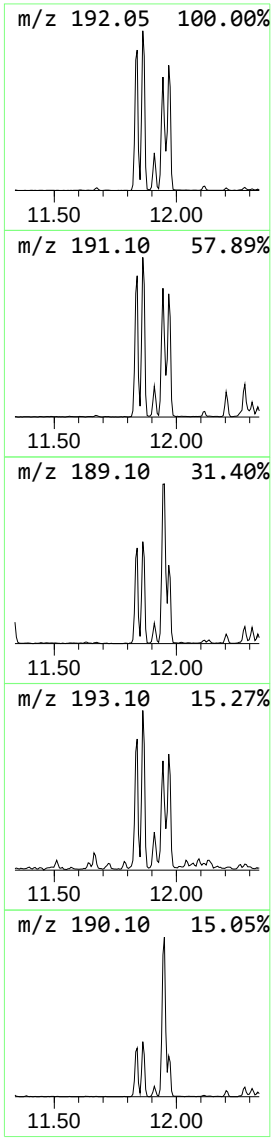
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	38.88 ng	1151490	Phenanthrene-d10	11.333

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-21-G2

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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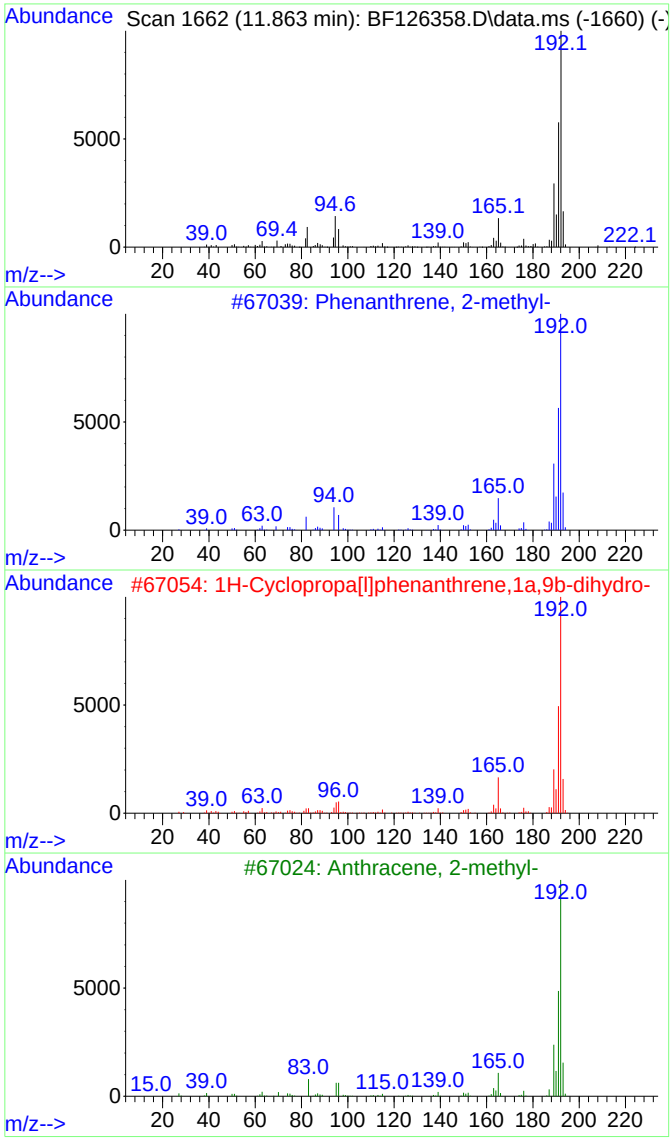
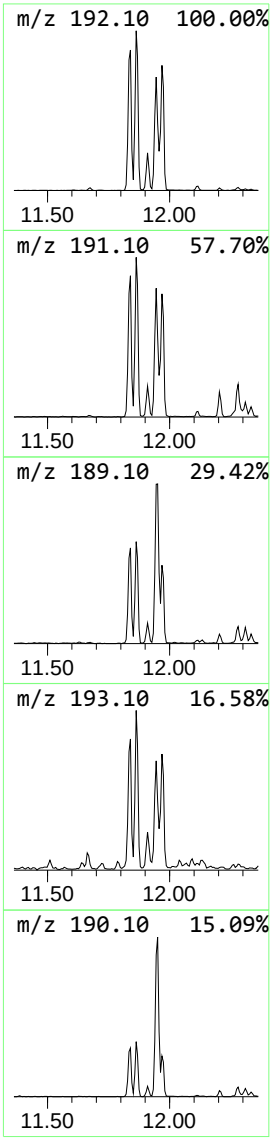
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	42.73 ng	1265350	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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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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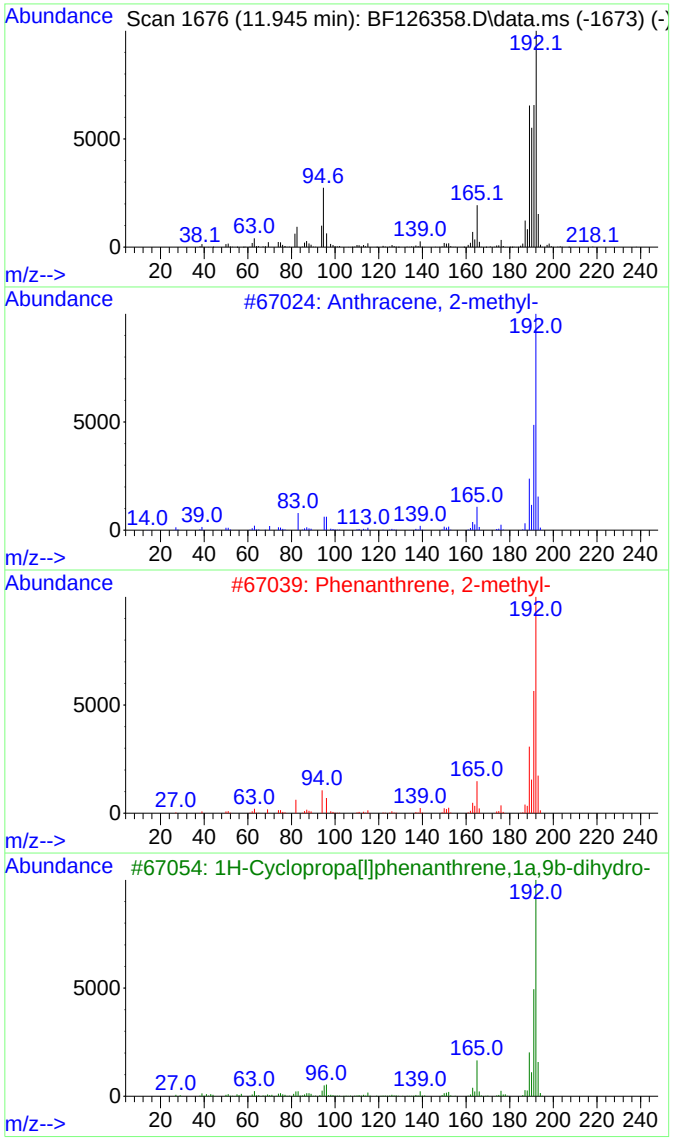
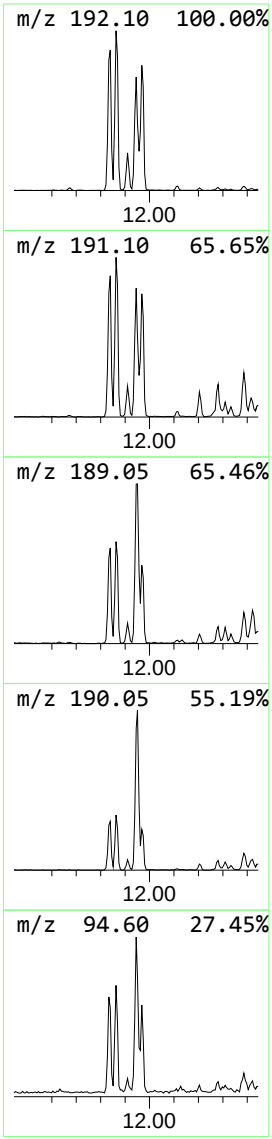
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	52.11 ng	1543360	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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

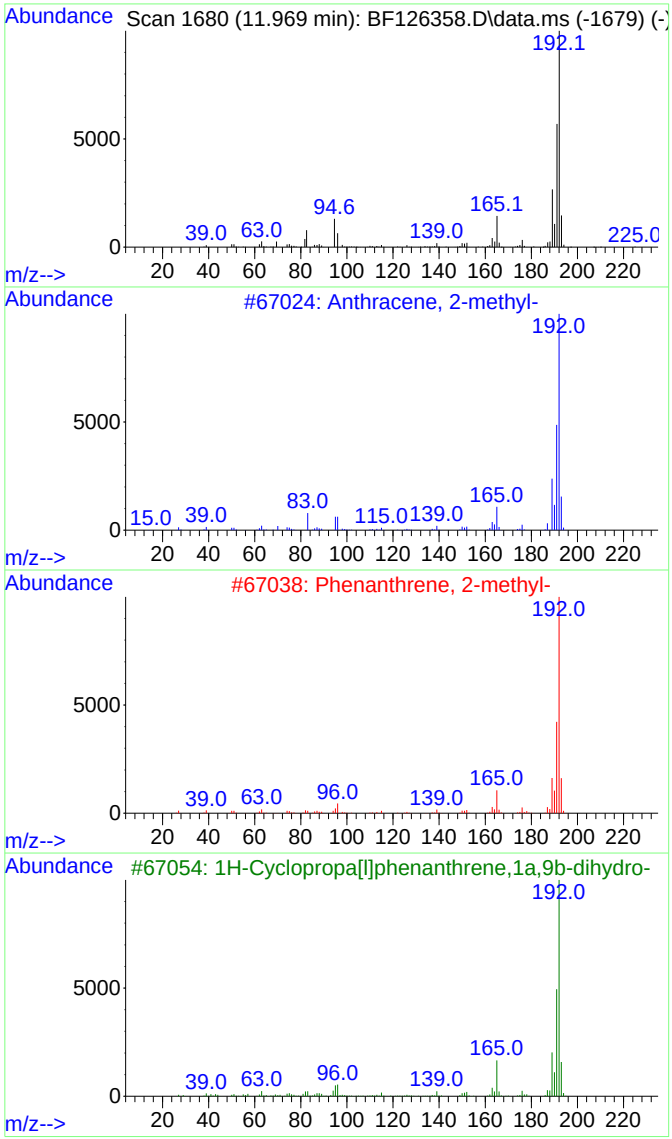
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

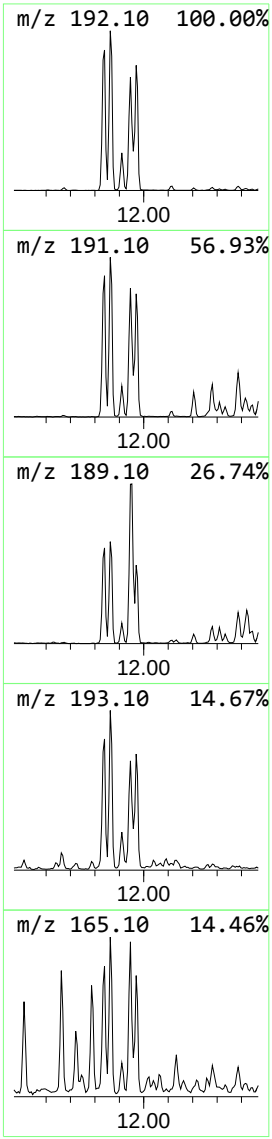
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	23.04 ng	682217	Phenanthrene-d10	11.333

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





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Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 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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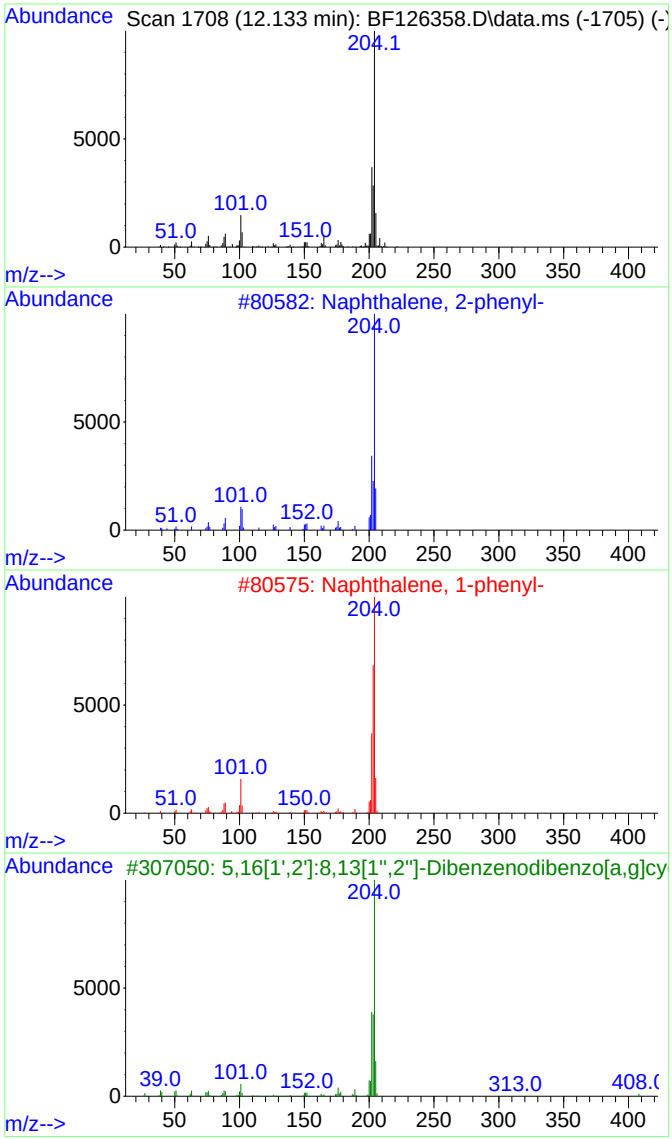
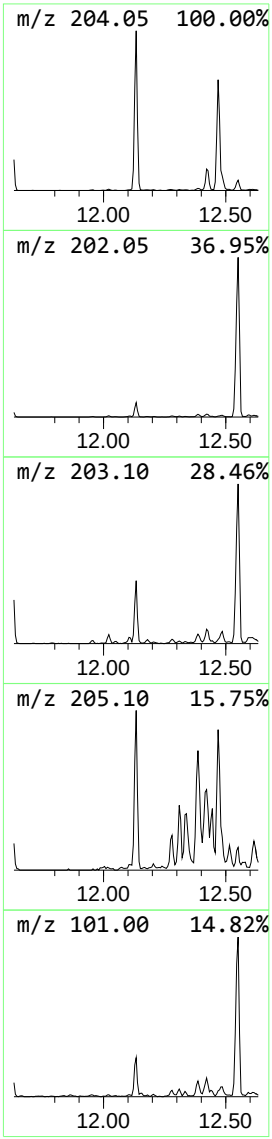
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	24.93 ng	738403	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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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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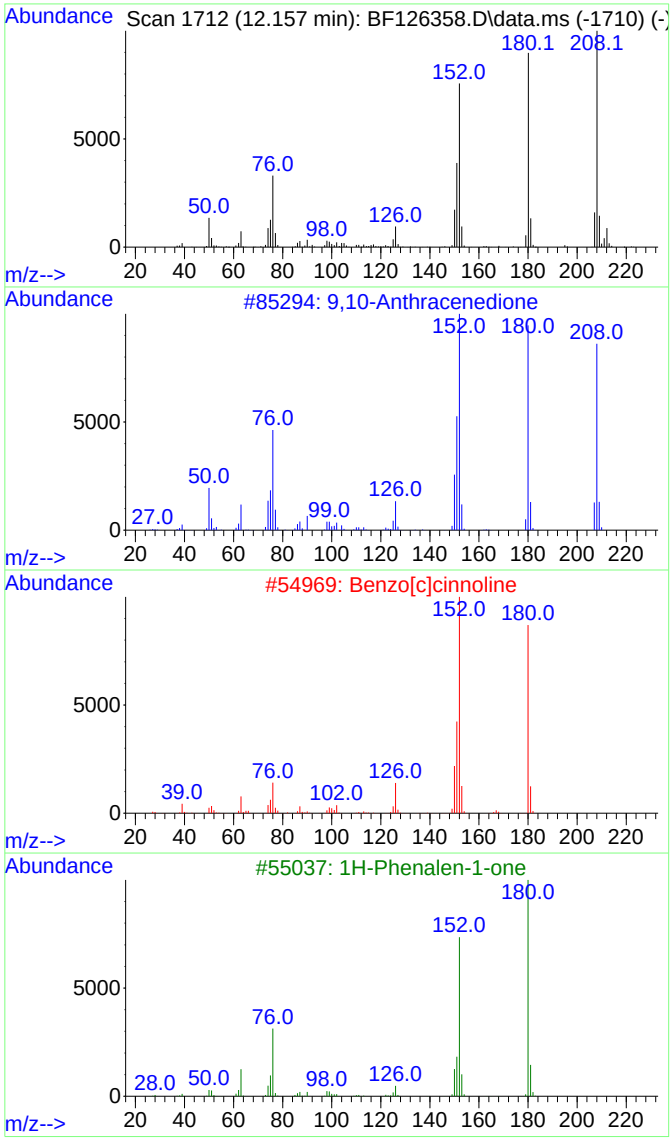
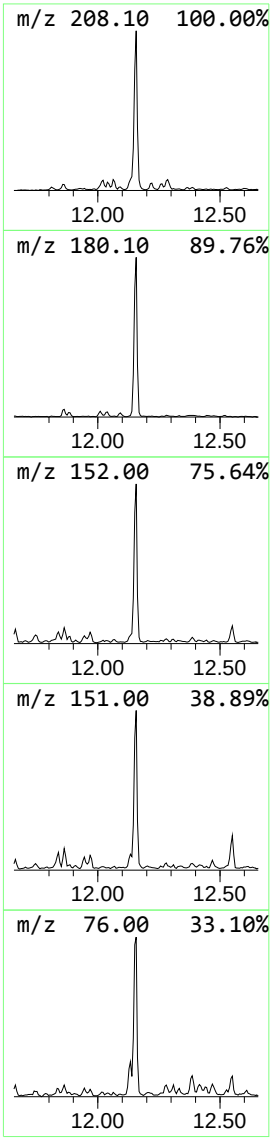
Peak Number 13 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	26.32 ng	779520	Phenanthrene-d10	11.333

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	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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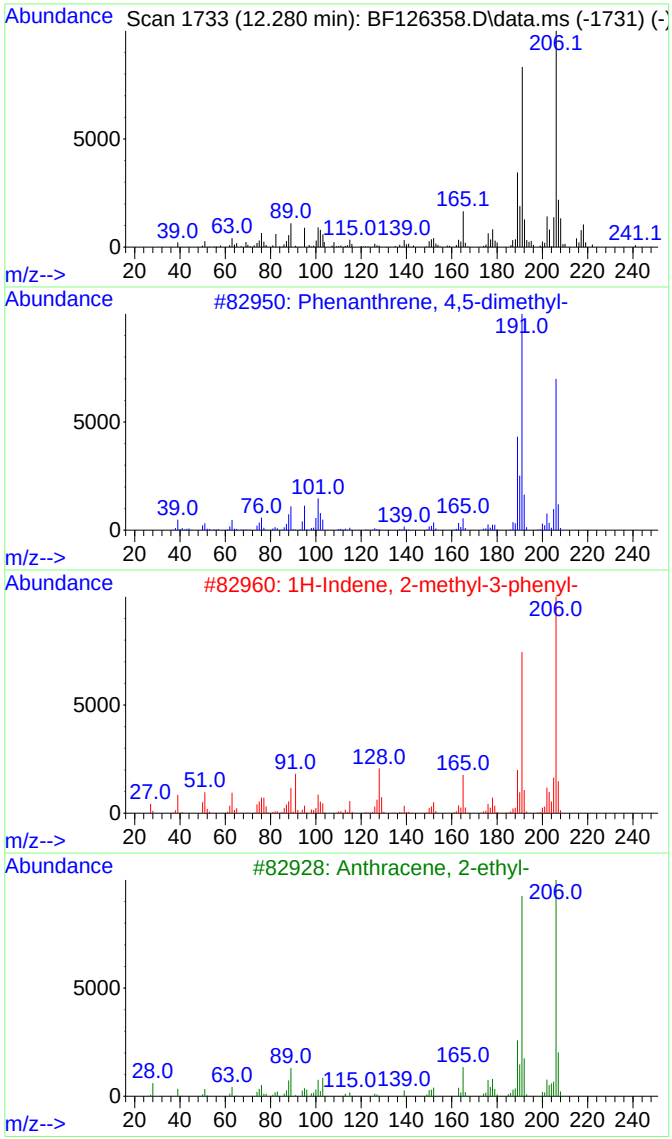
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

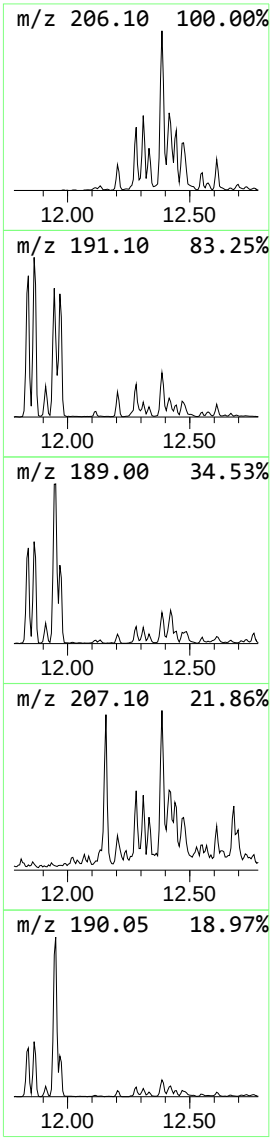
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	9.41 ng	278805	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	95
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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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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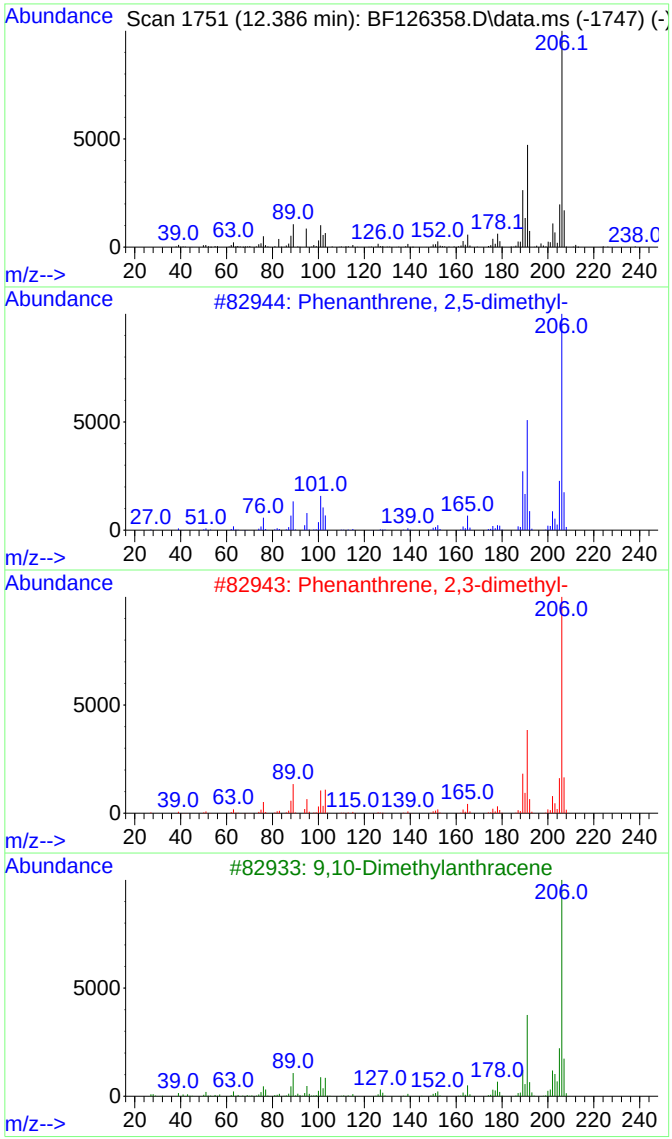
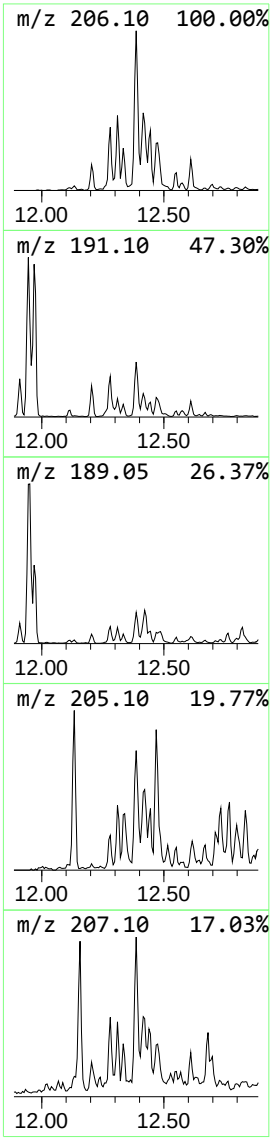
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	18.51 ng	548141	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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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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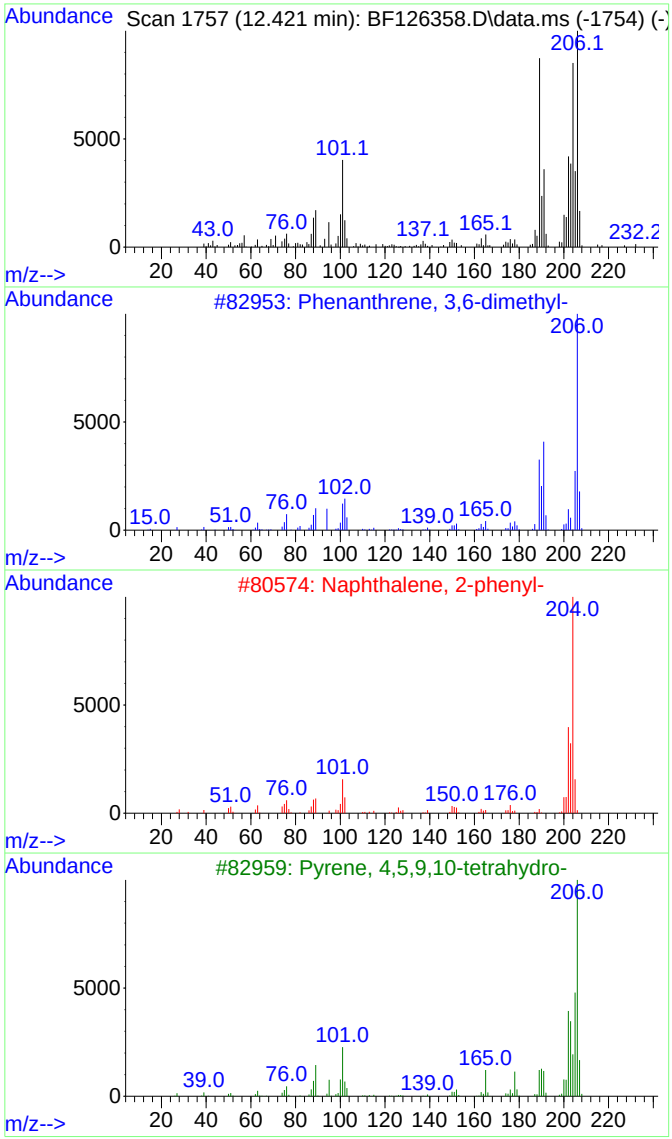
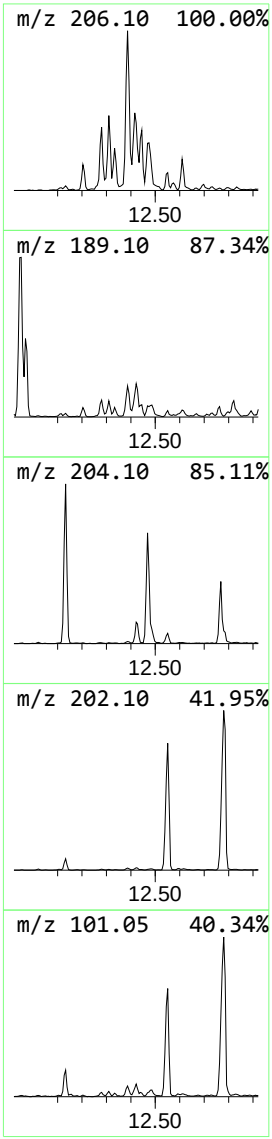
Peak Number 16 unknown12.422 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	13.88 ng	411181	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

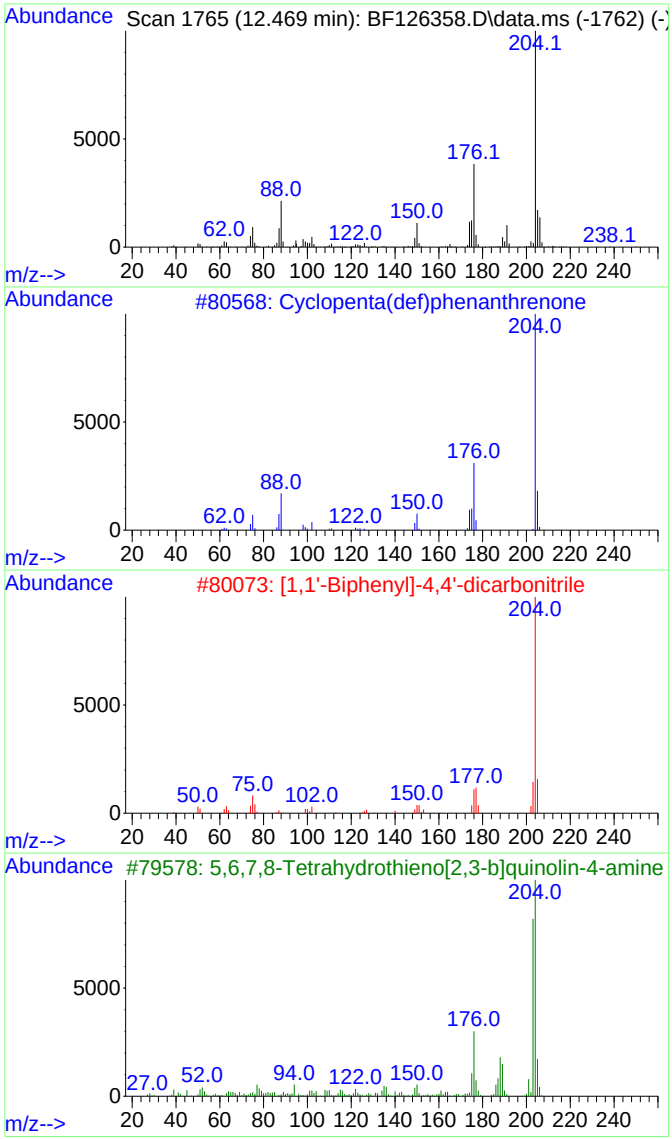
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

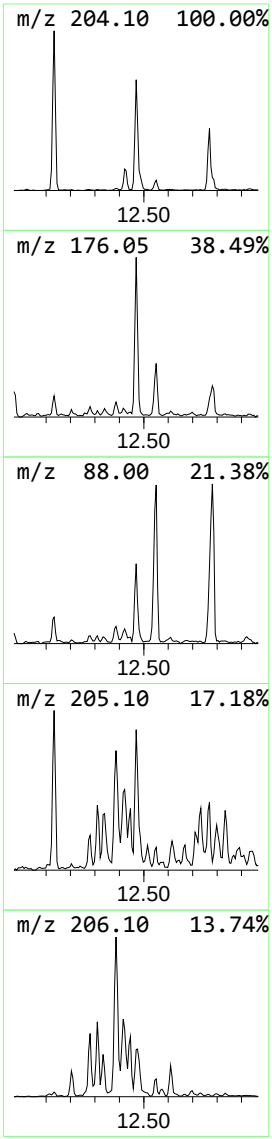
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	20.96 ng	620738	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

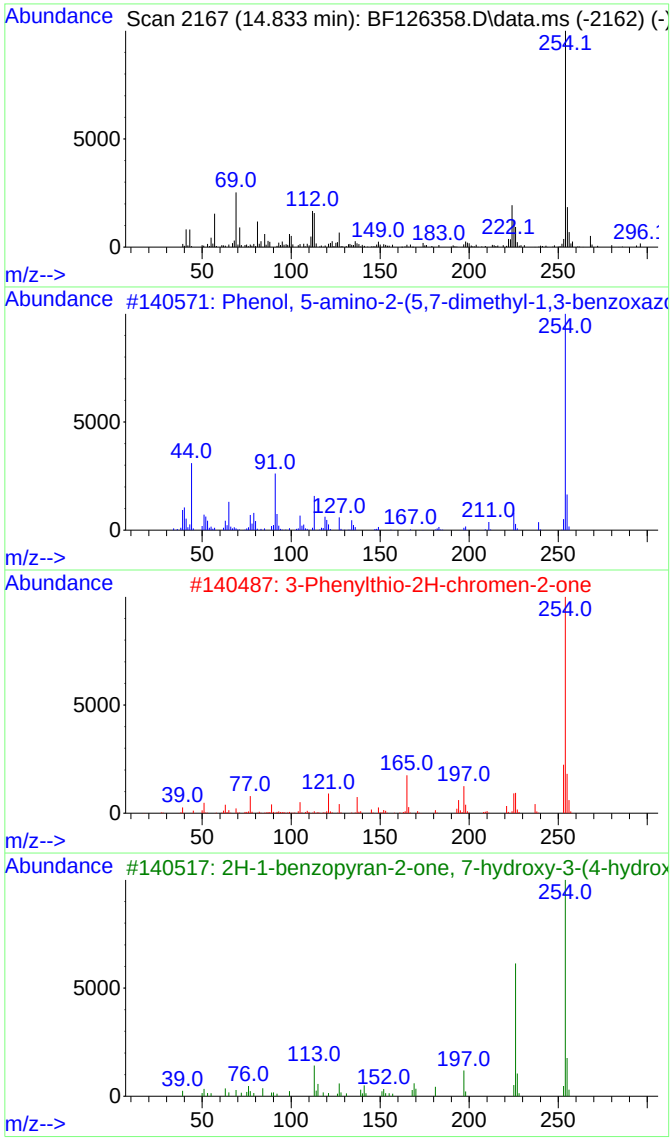
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

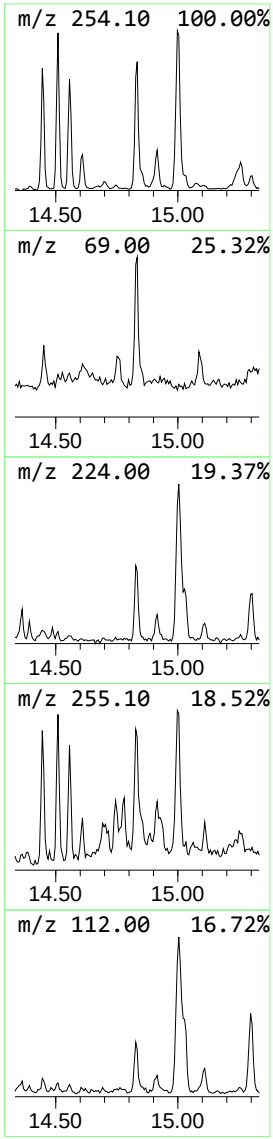
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenol, 5-amino-2-(5,7-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.833	11.29 ng	389554	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 5-amino-2-(5,7-dimethyl-...	254	C15H14N2O2	1000338-06-4	53
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	52
3	2H-1-benzopyran-2-one, 7-hydroxy...	254	C15H10O4	1000401-42-6	50
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	47
5	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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

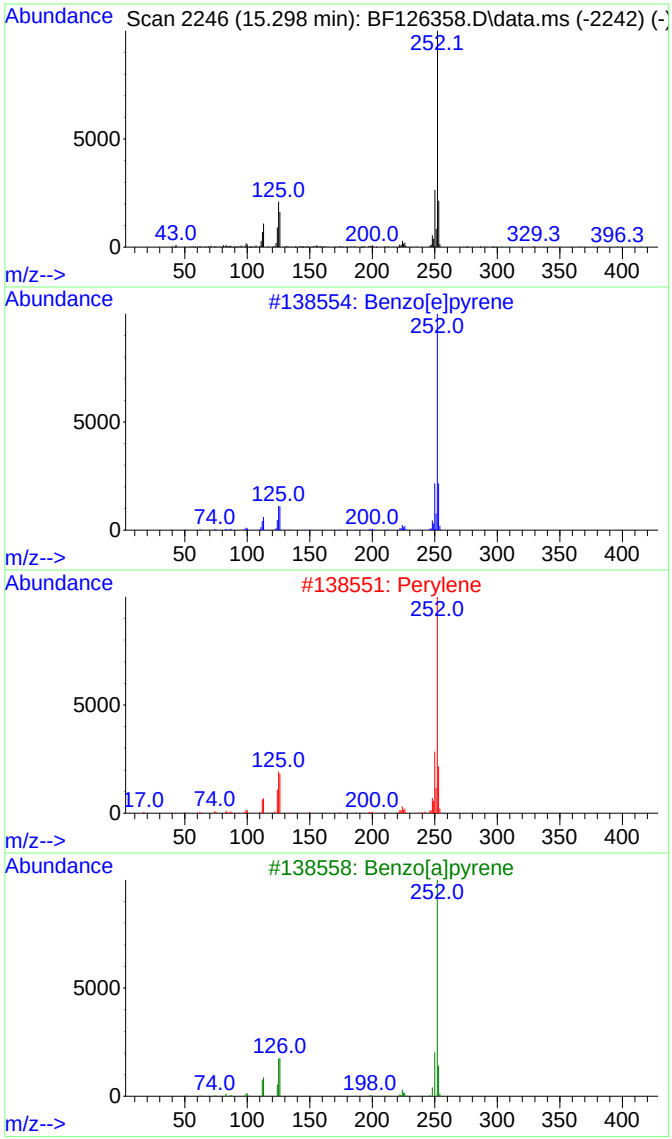
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

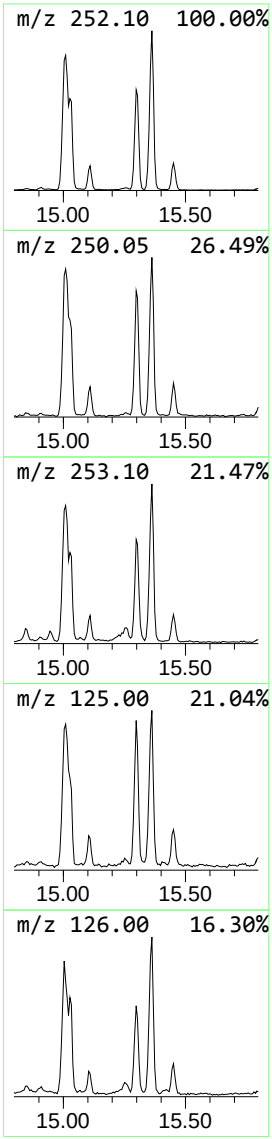
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	23.57 ng	812805	Perylene-d12	15.421

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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

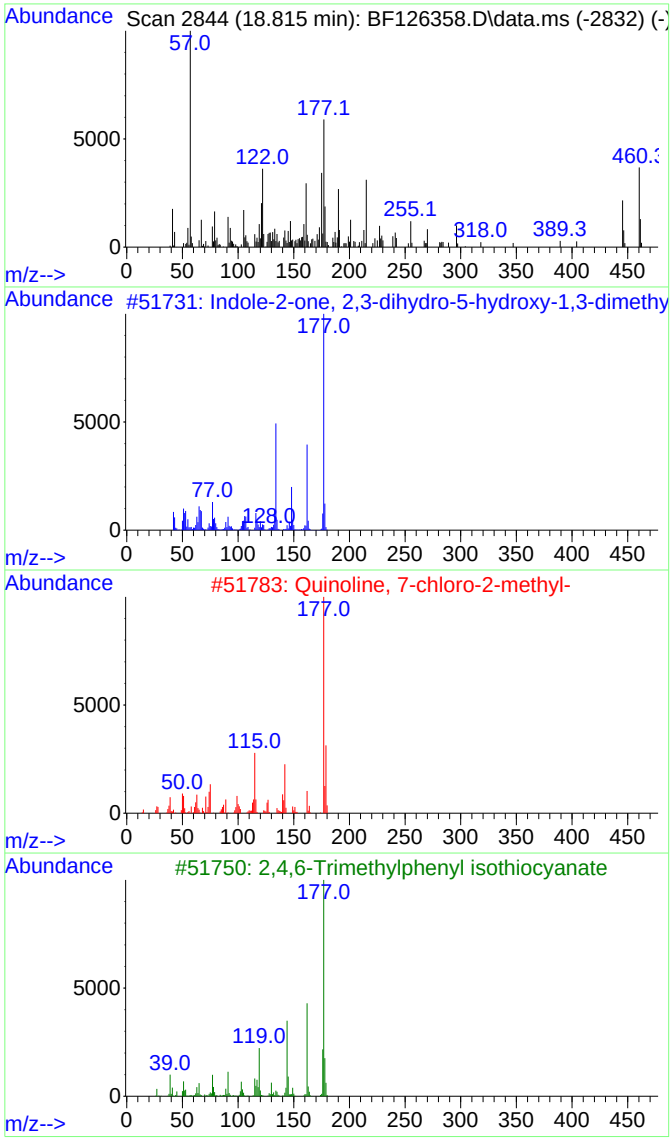
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

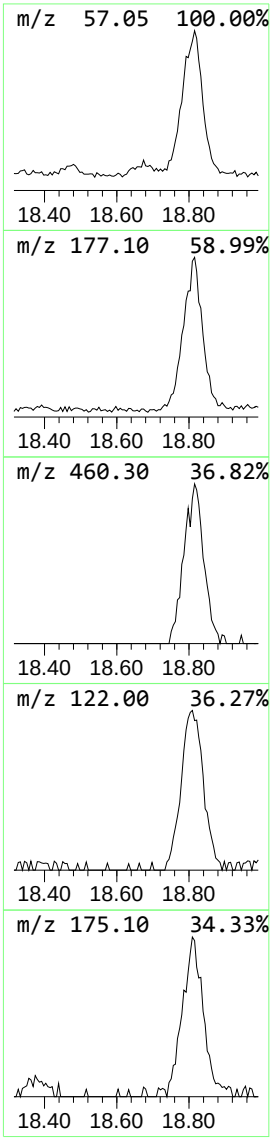
****

Peak Number 20 unknown18.815 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.815	21.39 ng	737683	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole-2-one, 2,3-dihydro-5-hydr...	177	C10H11NO2	001010-68-0	25
2	Quinoline, 7-chloro-2-methyl-	177	C10H8ClN	004965-33-7	11
3	2,4,6-Trimethylphenyl isothiocya...	177	C10H11NS	006095-82-5	11
4	1H-Pyrrole, 1-(4-chlorophenyl)-	177	C10H8ClN	005044-38-2	11
5	2-Cyclopropyl-4-methyl-5-pyrimid...	178	C9H10N2O2	954233-05-7	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

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	9.8	ng	309228	1	6.810	627687	20.0
Naphthalene, 1,...	9.433	9.8	ng	452142	3	9.845	919803	20.0
Naphthalene, 2,...	9.504	13.0	ng	596605	3	9.845	919803	20.0
9H-Fluorene, 2-...	10.939	9.6	ng	283796	4	11.333	592301	20.0
9H-Fluoren-9-one	11.133	17.4	ng	516751	4	11.333	592301	20.0
Naphtho[2,1-b]t...	11.227	19.1	ng	564414	4	11.333	592301	20.0
2-Methyldibenzo...	11.663	13.5	ng	398521	4	11.333	592301	20.0
Phenanthrene, 2...	11.839	38.9	ng	1151490	4	11.333	592301	20.0
1H-Cyclopropa[l...	11.863	42.7	ng	1265350	4	11.333	592301	20.0
1H-Indene, 2-ph...	11.945	52.1	ng	1543360	4	11.333	592301	20.0
Anthracene, 2-m...	11.969	23.0	ng	682217	4	11.333	592301	20.0
Naphthalene, 2-...	12.133	24.9	ng	738403	4	11.333	592301	20.0
9,10-Anthracene...	12.157	26.3	ng	779520	4	11.333	592301	20.0
Phenanthrene, 4...	12.280	9.4	ng	278805	4	11.333	592301	20.0
Phenanthrene, 2...	12.386	18.5	ng	548141	4	11.333	592301	20.0
unknown12.422	12.422	13.9	ng	411181	4	11.333	592301	20.0
Cyclopenta(def)...	12.469	21.0	ng	620738	4	11.333	592301	20.0
Phenol, 5-amino...	14.833	11.3	ng	389554	6	15.421	689791	20.0
Benzo[e]pyrene	15.298	23.6	ng	812805	6	15.421	689791	20.0
unknown18.815	18.815	21.4	ng	737683	6	15.421	689791	20.0