LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-20-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: BF126332.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.428	563	568	571	rBV	2870761	2817811	55.51%	3.773%
2	6.440	735	740	757	rBV	2584261	2784264	54.85%	3.729%
3	6.816	800	804	807	rBV	1085070	852425	16.79%	1.142%
4	7.375	894	899	902	rBV	1901466	1762199	34.72%	2.360%
5	8.098	1018	1022	1025	rBV	1183363	1057002	20.82%	1.415%
6	8.810	1138	1143	1149	rBV	476073	402338	7.93%	0.539%
7	8.910	1155	1160	1169	rVB	489344	423427	8.34%	0.567%
8	9.175	1201	1205	1208	rBV	2804321	2443222	48.13%	3.272%
9	9.369	1235	1238	1244	rVB	270584	269965	5.32%	0.362%
10	9.439	1245	1250	1254	rBV	361855	486058	9.58%	0.651%
11	9.510	1258	1262	1265	rBV	643195	640934	12.63%	0.858%
12	9.539	1265	1267	1270	rVB	387420	310932	6.13%	0.416%
13	9.628	1279	1282	1288	rBV	347436	385037	7.59%	0.516%
14	9.710	1291	1296	1303	rBV2	252277	255023	5.02%	0.342%
15	9.851	1314	1320	1323	rBV	1138687	1090110	21.48%	1.460%
16	9.886	1323	1326	1329	rVB	740954	648986	12.79%	0.869%
17	9.957	1334	1338	1343	rVV	192860	259959	5.12%	0.348%
18	10.010	1343	1347	1349	rVV2	135362	170660	3.36%	0.229%
19	10.057	1351	1355	1358	rVV	307656	327167	6.45%	0.438%
20	10.092	1358	1361	1366	rVV	216308	190964	3.76%	0.256%
21	10.169	1370	1374	1377	rBV	183370	182757	3.60%	0.245%
22	10.263	1385	1390	1391	rBV2	165950	219453	4.32%	0.294%
23	10.398	1409	1413	1419	rVV2	474971	480773	9.47%	0.644%
24	10.463	1423	1424	1426	rVV	237084	175011	3.45%	0.234%
25	10.486	1426	1428	1430	rVV2	221649	187008	3.68%	0.250%
26	10.557	1438	1440	1444	rVB3	208937	215354	4.24%	0.288%
27	10.639	1449	1454	1458	rVV	1263167	1315032	25.91%	1.761%
28	10.945	1500	1506	1509	rBV3	171285	287672	5.67%	0.385%
29	11.098	1529	1532	1536	rVV3	125634	169533	3.34%	0.227%
30	11.139	1536	1539	1544	rVV	828897	793349	15.63%	1.062%
31	11.233	1552	1555	1561	rVB	738485	662744	13.06%	0.888%
32	11.339	1569	1573	1574	rBV	788918	737376	14.53%	0.987%
33	11.369	1574	1578	1581	rVV	4537918	5075803	100.00%	6.797%
34	11.416	1581	1586	1589	rVV	971547	905034	17.83%	1.212%
35	11.516	1600	1603	1607	rVV2	228770	220397	4.34%	0.295%
36	11.633	1620	1623	1626	rVV	350766	320594	6.32%	0.429%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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	11.669	1626	1629	1634	rVV	563289	493364	9.72%	0.661%
38	11.751	1641	1643	1647	rVB	221509	215368	4.24%	0.288%
39	11.792	1647	1650	1653	rBV2	244035	238795	4.70%	0.320%
40	11.839	1655	1658	1661	rVV	1399016	1372171	27.03%	1.838%
41	11.869	1661	1663	1666	rVV	1712326	1375433	27.10%	1.842%
42	11.916	1667	1671	1673	rVV2	277865	250246	4.93%	0.335%
43	11.951	1673	1677	1679	rVV	1467768	1489864	29.35%	1.995%
44	11.975	1679	1681	1684	rVB	1260264	973164	19.17%	1.303%
45	12.139	1706	1709	1710	rVV	836699	759895	14.97%	1.018%
46	12.157	1710	1712	1718	rVB2	922156	895251	17.64%	1.199%
47	12.210	1718	1721	1728	rVB3	171855	221087	4.36%	0.296%
48	12.286	1731	1734	1737	rVV2	317196	302511	5.96%	0.405%
49	12.316	1737	1739	1741	rVV	248839	196089	3.86%	0.263%
50	12.392	1748	1752	1754	rVV	564618	564020	11.11%	0.755%
51	12.422	1754	1757	1760	rVV3	318776	431354	8.50%	0.578%
52	12.475	1763	1766	1771	rVB	868698	827390	16.30%	1.108%
53	12.557	1773	1780	1783	rBV	2601155	2749922	54.18%	3.683%
54	12.598	1784	1787	1789	rBV	175432	176195	3.47%	0.236%
55	12.616	1789	1790	1798	rVB4	177199	178987	3.53%	0.240%
56	12.680	1798	1801	1803	rBV	404580	380393	7.49%	0.509%
57	12.786	1813	1819	1822	rVV	3580905	4147908	81.72%	5.555%
58	12.827	1824	1826	1831	rVB2	152561	224616	4.43%	0.301%
59	12.922	1839	1842	1849	rVB	1953603	2026914	39.93%	2.714%
60	12.998	1849	1855	1859	rBV3	506224	774773	15.26%	1.038%
61	13.092	1866	1871	1872	rVV3	392649	614296	12.10%	0.823%
62	13.169	1876	1884	1888	rBV7	210373	418832	8.25%	0.561%
63	13.210	1888	1891	1894	rVV	779449	697593	13.74%	0.934%
64	13.304	1903	1907	1909	rBV	513669	473181	9.32%	0.634%
65	13.333	1909	1912	1915	rVB	674510	541416	10.67%	0.725%
66	13.610	1955	1959	1962	rBV	768213	724626	14.28%	0.970%
67	13.721	1973	1978	1981	rBV2	564730	724063	14.26%	0.970%
68	13.751	1981	1983	1985	rVV	529855	460737	9.08%	0.617%
69	13.774	1985	1987	1990	rVV	300888	268273	5.29%	0.359%
70	13.821	1990	1995	2002	rVB2	588403	755149	14.88%	1.011%
71	13.916	2004	2011	2014	rBV5	182460	405715	7.99%	0.543%
72	13.969	2016	2020	2024	rVV2	1910646	2859835	56.34%	3.830%
73	14.004	2024	2026	2031	rVV	1885235	1725038	33.99%	2.310%
74	14.069	2034	2037	2041	rBV3	155646	222256	4.38%	0.298%
75	14.233	2062	2065	2067	rVV	168021	182718	3.60%	0.245%
76	14.298	2071	2076	2078	rVB3	127208	162358	3.20%	0.217%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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	14.327	2078	2081	2083	rBV2	207481	211302	4.16%	0.283%
78	14.363	2083	2087	2090	rVV	718958	691215	13.62%	0.926%
79	14.398	2090	2093	2096	rVV	422391	423425	8.34%	0.567%
80	14.451	2096	2102	2105	rVV4	290724	438635	8.64%	0.587%
81	14.486	2105	2108	2110	rVV	329135	269982	5.32%	0.362%
82	14.510	2110	2112	2116	rVB	215698	186935	3.68%	0.250%
83	14.557	2117	2120	2125	rVB2	184538	189589	3.74%	0.254%
84	14.833	2163	2167	2169	rBV2	232492	273995	5.40%	0.367%
85	14.916	2177	2181	2190	rVB4	179396	285159	5.62%	0.382%
86	15.010	2191	2197	2205	rVV2	1077056	2322806	45.76%	3.111%
87	15.110	2212	2214	2218	rVB	170407	164746	3.25%	0.221%
88	15.304	2242	2247	2253	rVV	739068	921747	18.16%	1.234%
89	15.368	2253	2258	2263	rVB	1018998	1290936	25.43%	1.729%
90	15.427	2263	2268	2271	rBV2	740340	952777	18.77%	1.276%
91	15.457	2271	2273	2280	rVV4	259409	455511	8.97%	0.610%
92	15.898	2344	2348	2352	rBV3	115821	192465	3.79%	0.258%
93	16.327	2417	2421	2427	rVB2	113049	191492	3.77%	0.256%
94	16.533	2451	2456	2470	rVB4	176465	489845	9.65%	0.656%
95	16.704	2476	2485	2491	rBV4	138216	396564	7.81%	0.531%
96	16.862	2505	2512	2520	rVB2	410995	820979	16.17%	1.099%
97	17.033	2536	2541	2546	rBV	136396	240090	4.73%	0.322%
98	17.092	2546	2551	2555	rVV	113116	182334	3.59%	0.244%
99	17.292	2578	2585	2594	rVB	355892	735760	14.50%	0.985%
100	18.445	2771	2781	2799	rVB	75365	318351	6.27%	0.426%

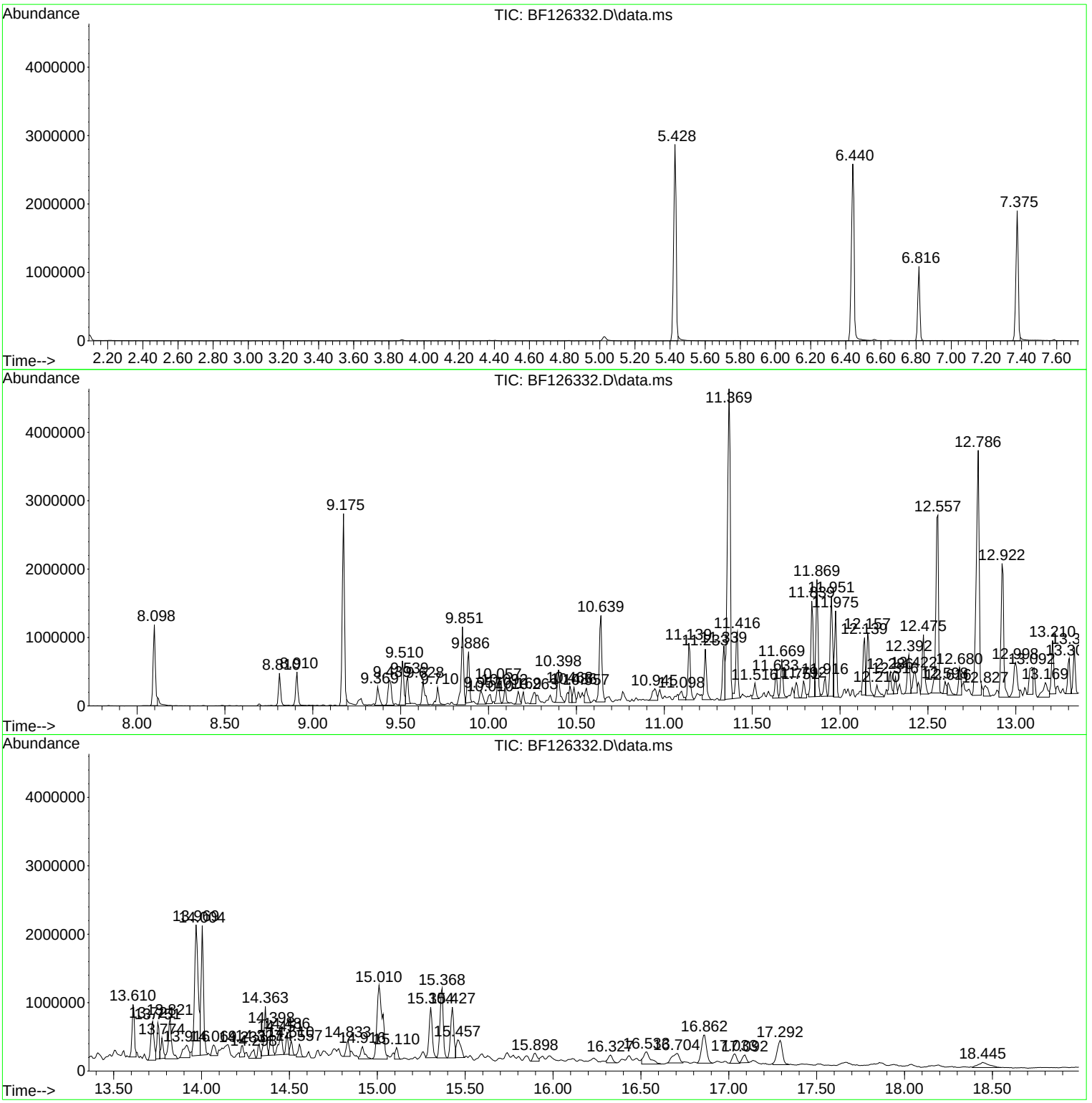
Sum of corrected areas: 74674809

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
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Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-G2

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

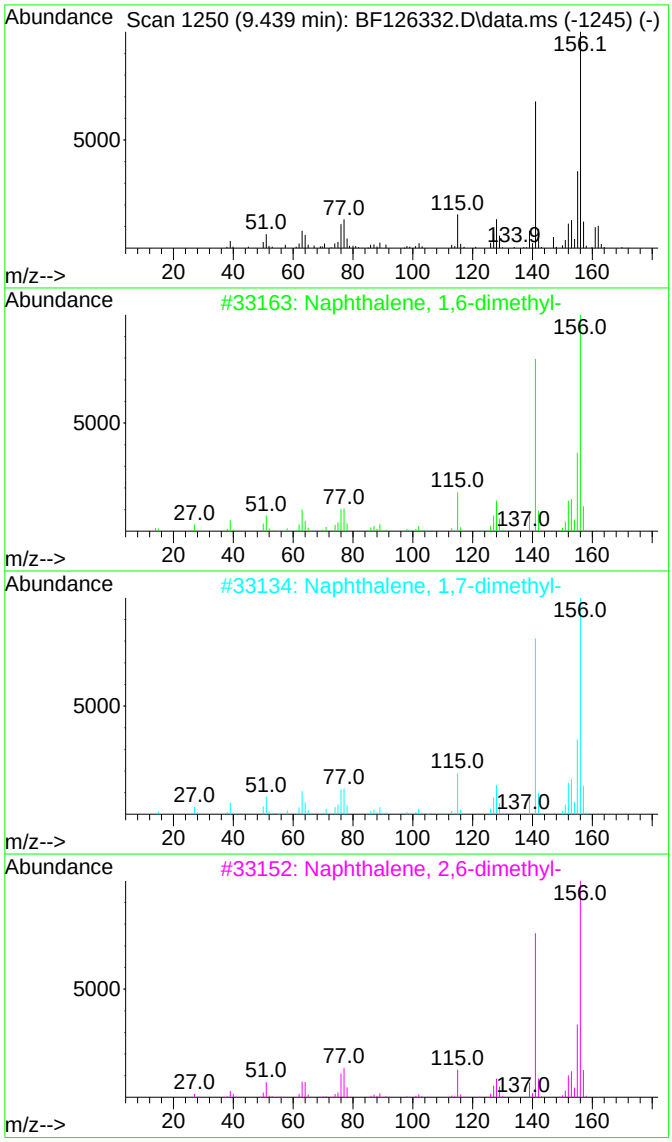
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

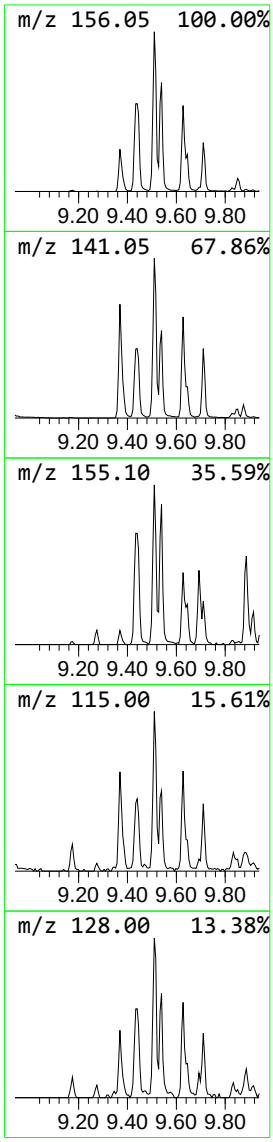
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	8.92 ng	486058	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-G2

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

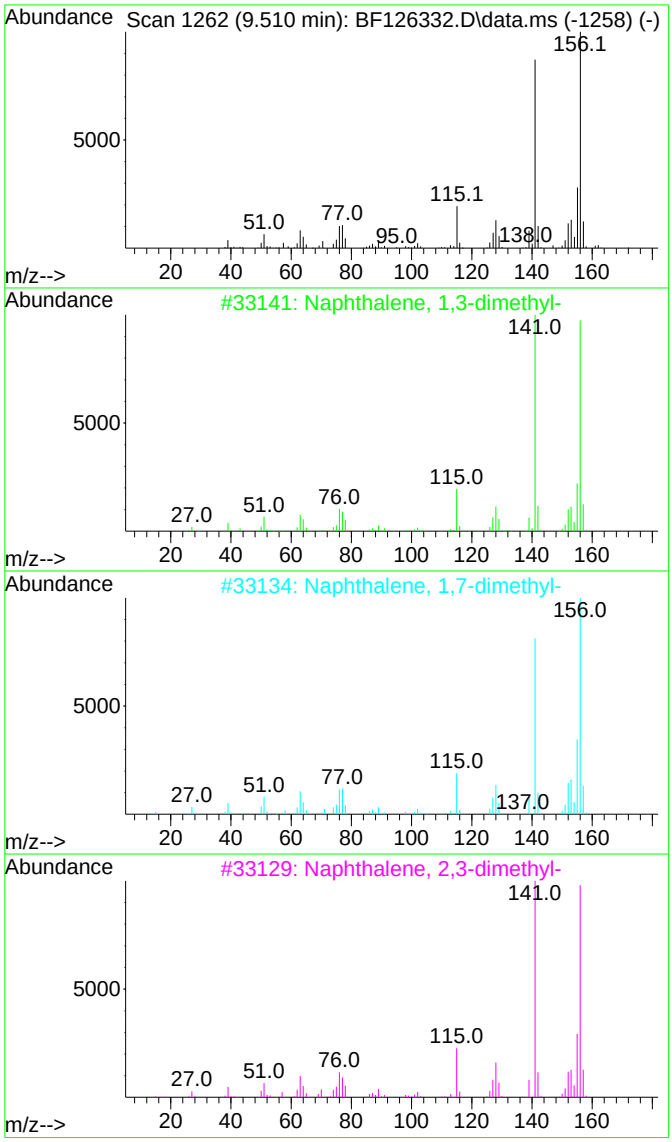
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

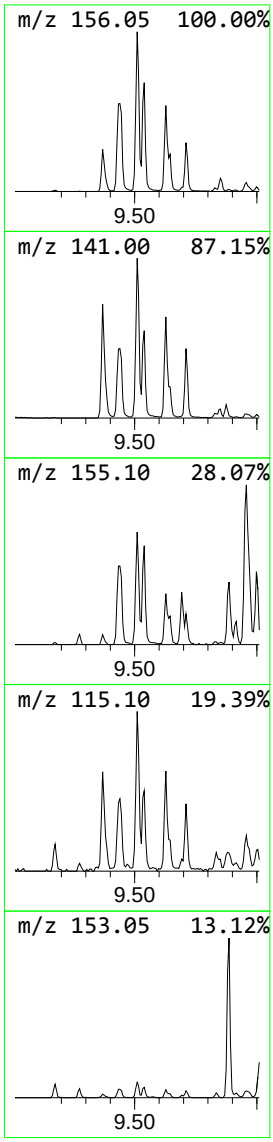
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	11.76 ng	640934	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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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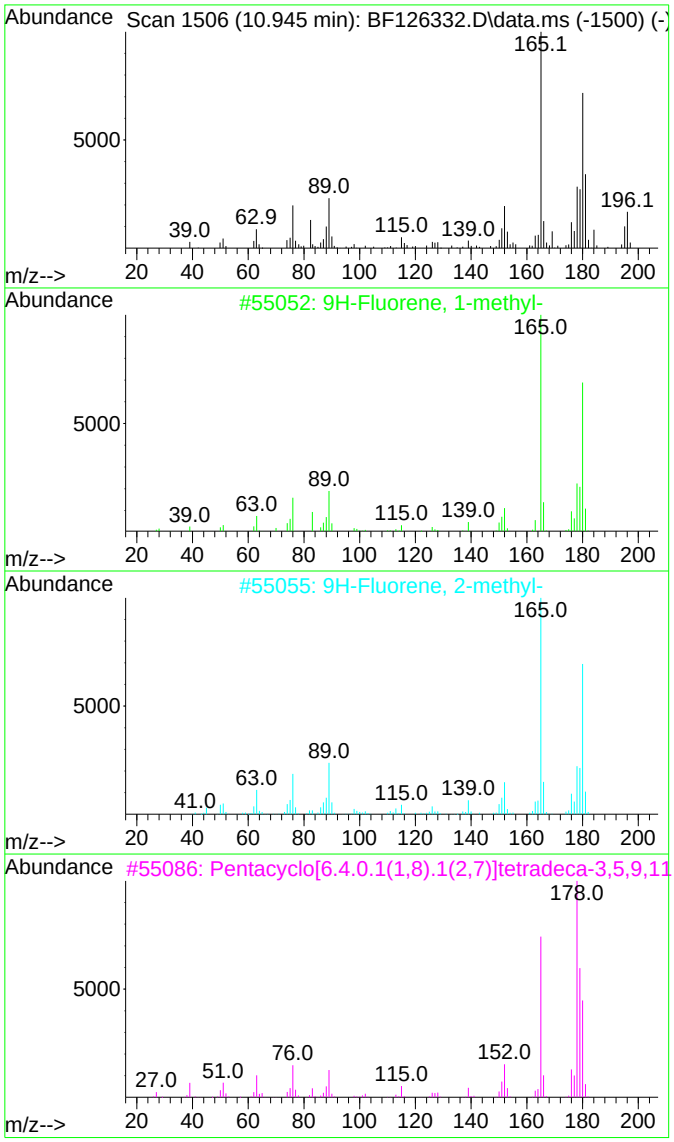
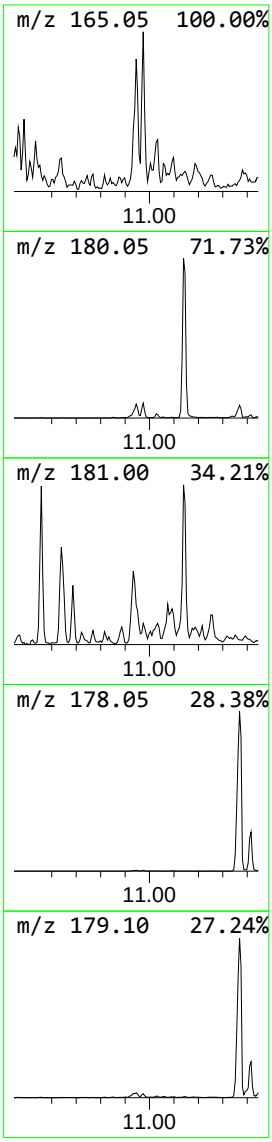
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.945	7.80 ng	287672	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	86
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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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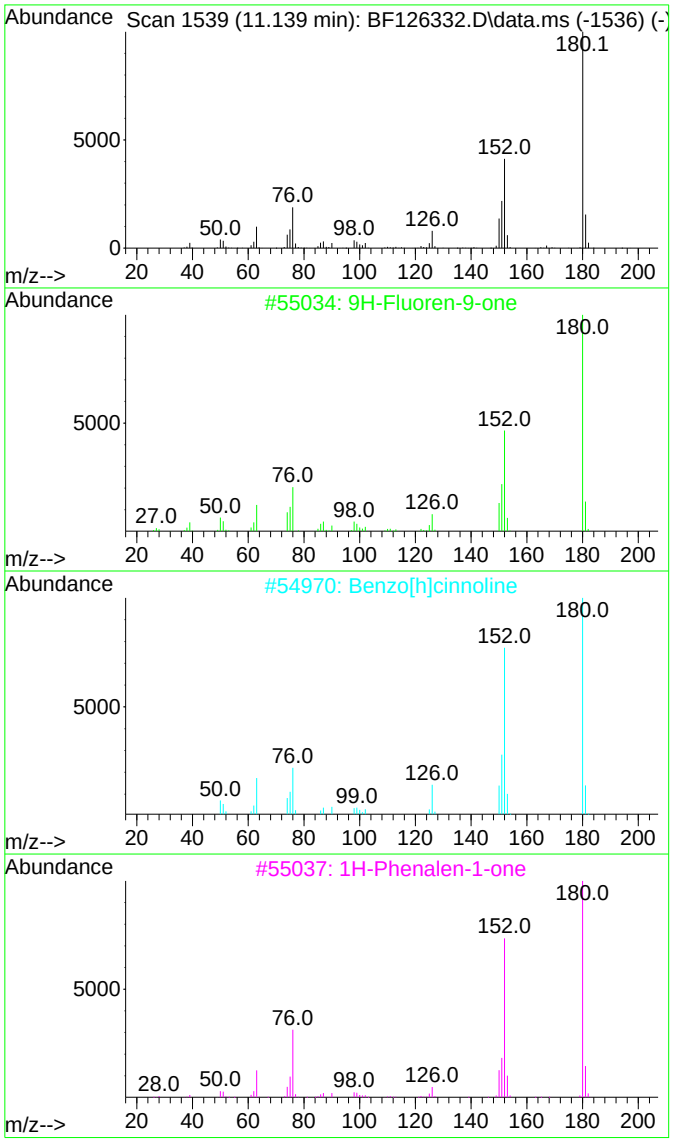
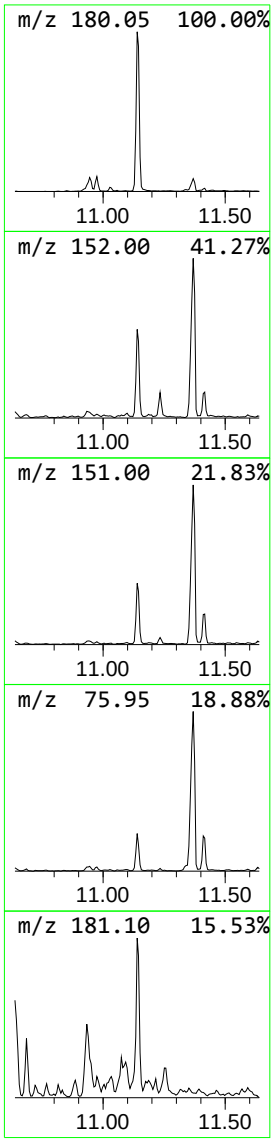
Peak Number 4 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	21.52 ng	793349	Phenanthrene-d10	11.339

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	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-G2

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

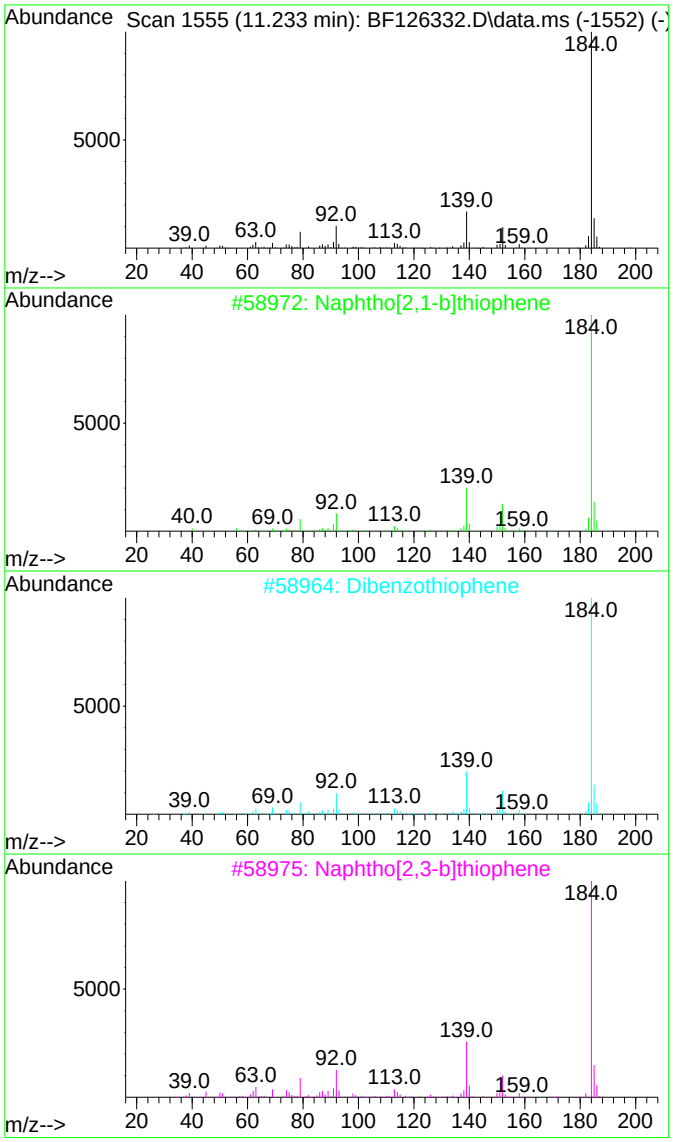
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

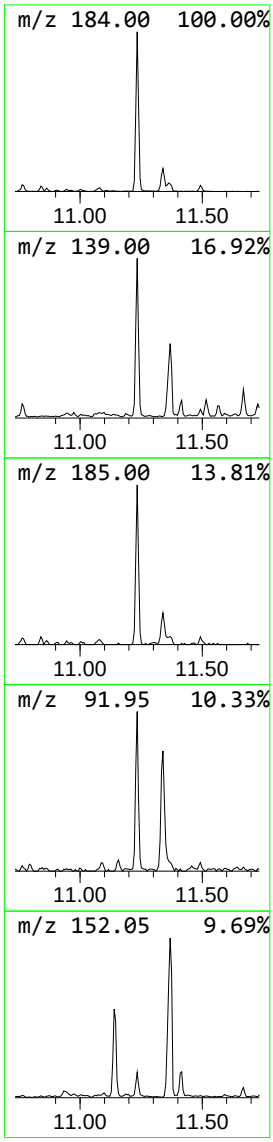
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	17.98 ng	662744	Phenanthrene-d10	11.339

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[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-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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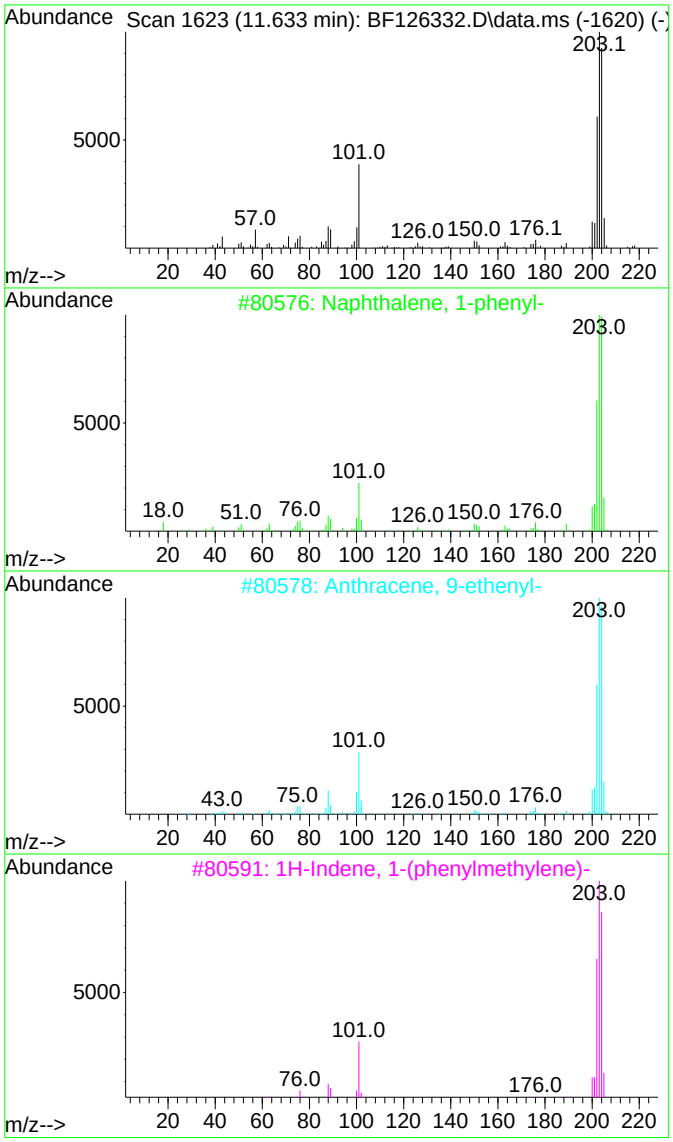
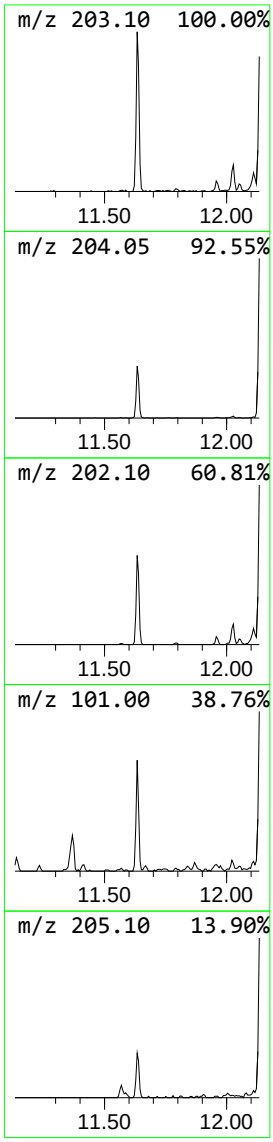
Peak Number 6 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.633	8.70 ng	320594	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	94
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	72
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70





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Misc :
ALS Vial : 12 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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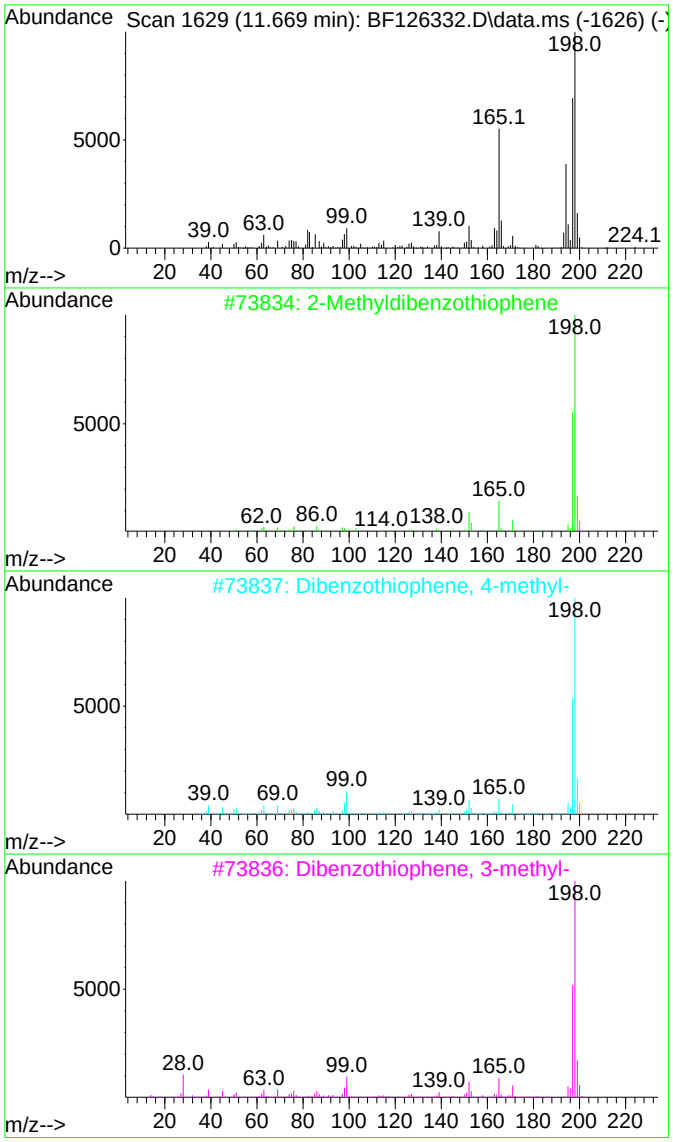
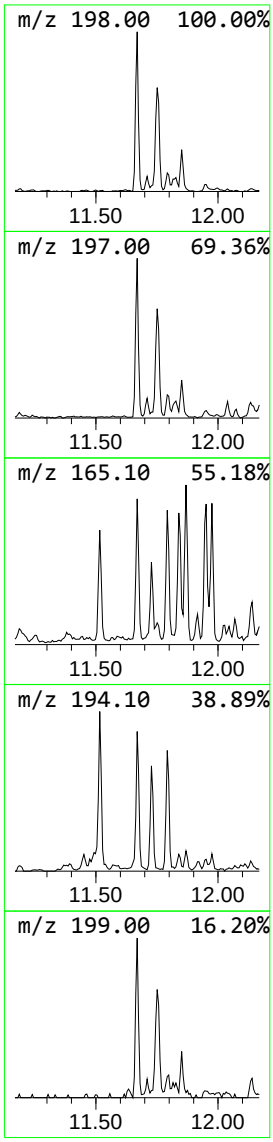
Peak Number 7 2-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.669	13.38 ng	493364	Phenanthrene-d10	11.339

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	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	60
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	46





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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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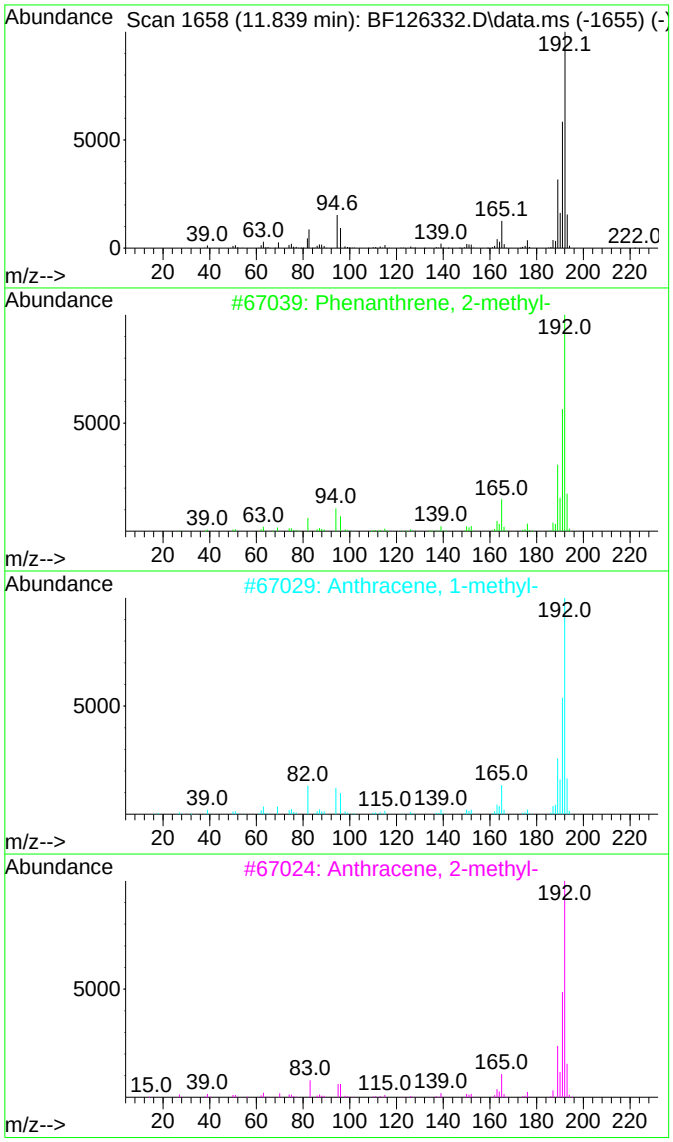
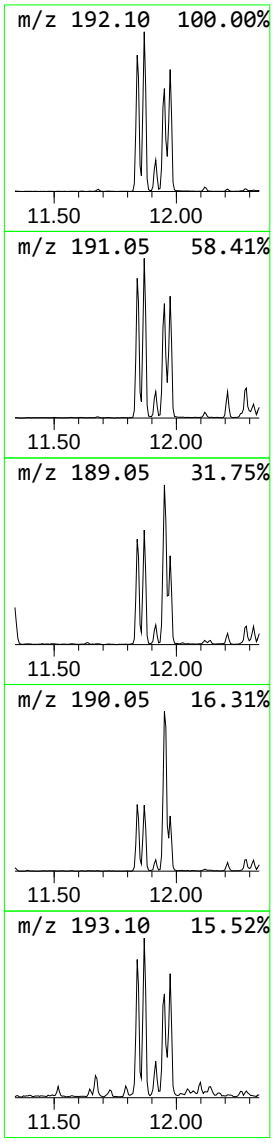
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	37.22 ng	1372170	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Instrument :
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ClientSampleId :
SB-20-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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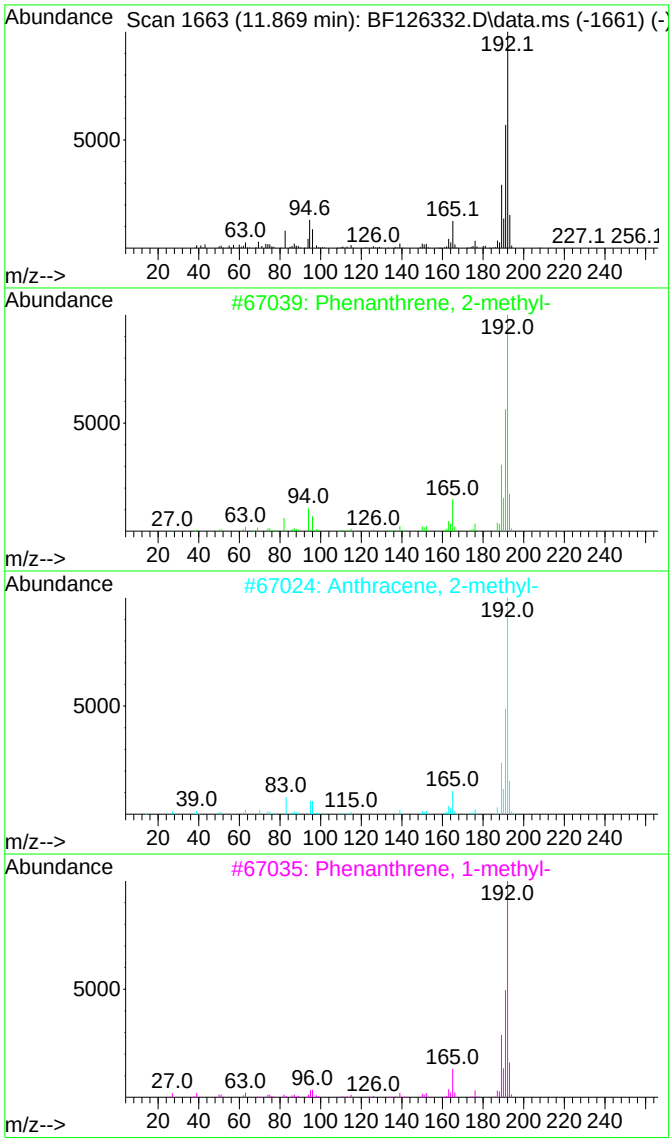
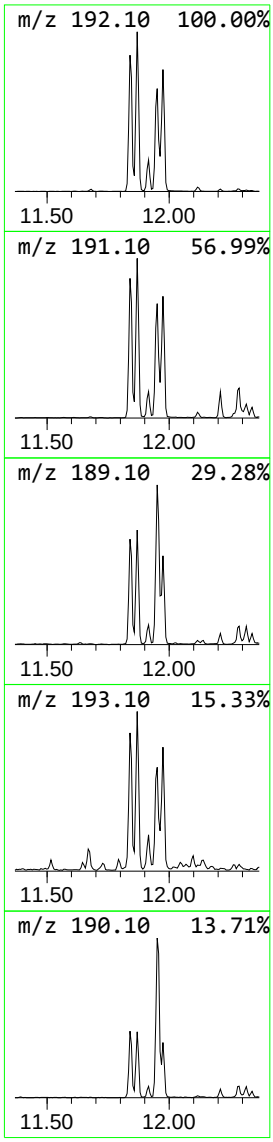
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	37.31 ng	1375430	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	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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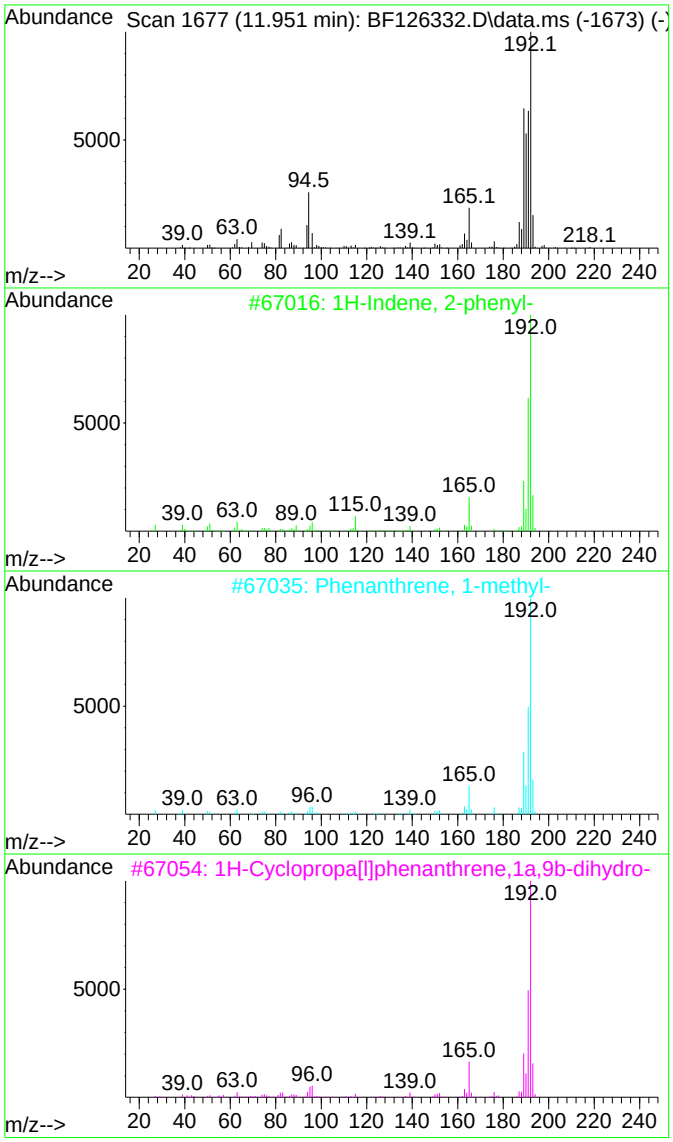
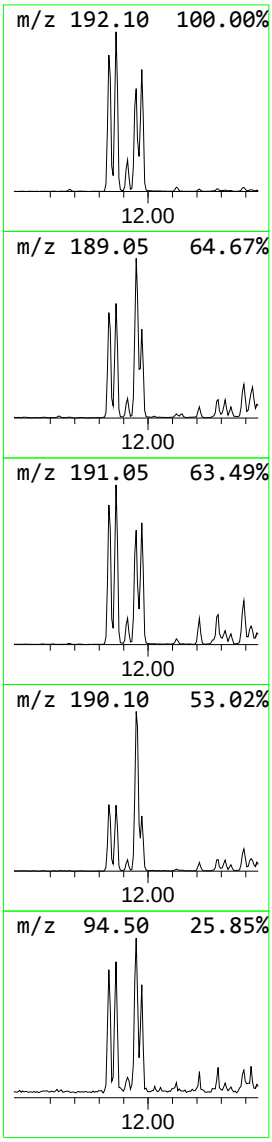
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	40.41 ng	1489860	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





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Sample : M5198-04
Misc :
ALS Vial : 12 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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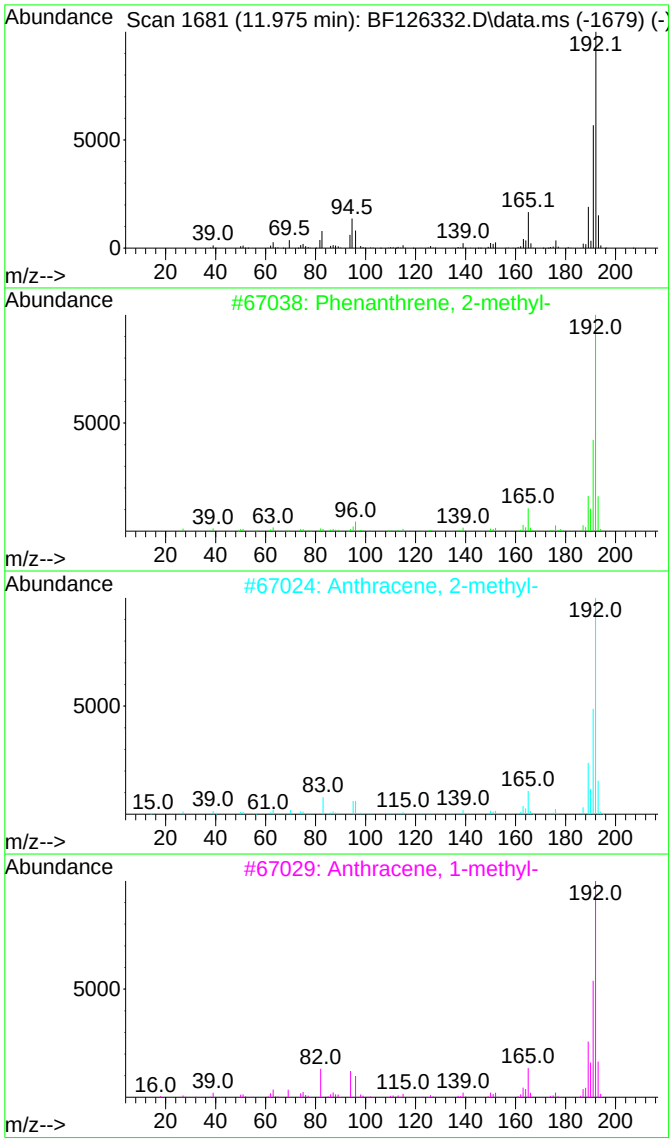
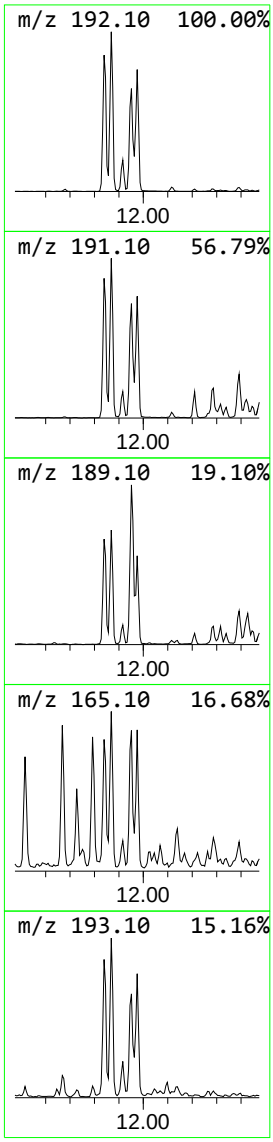
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	26.40 ng	973164	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-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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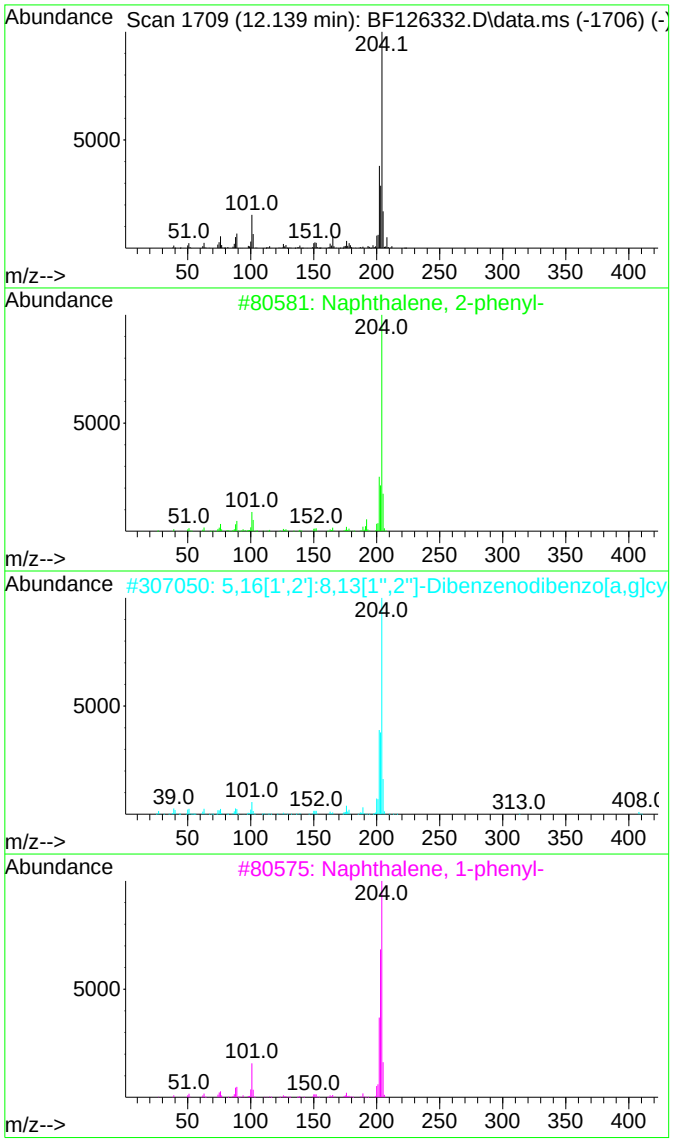
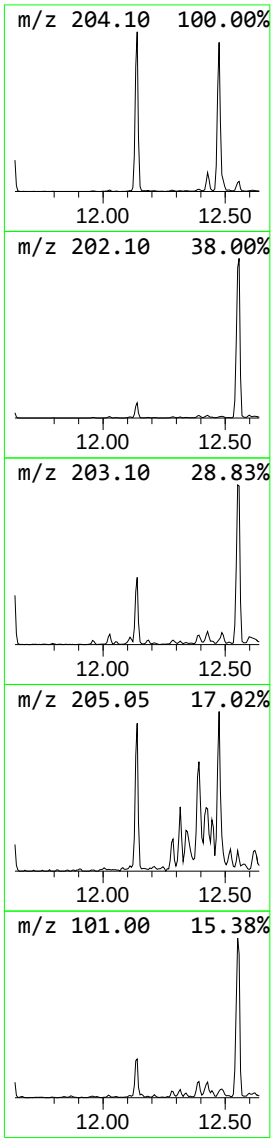
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	20.61 ng	759895	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
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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Misc :
ALS Vial : 12 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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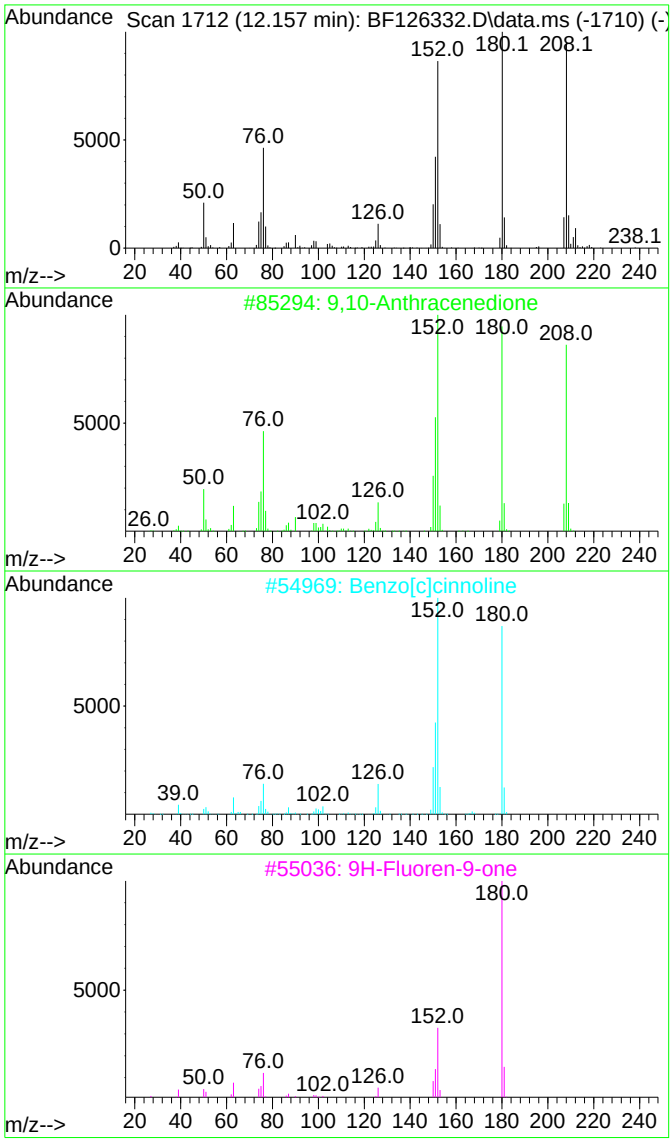
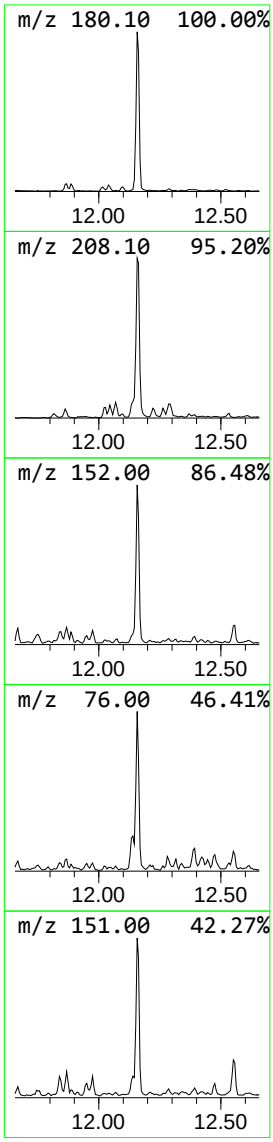
Peak Number 13 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	24.28 ng	895251	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[c]cinnoline	180	C12H8N2	000230-17-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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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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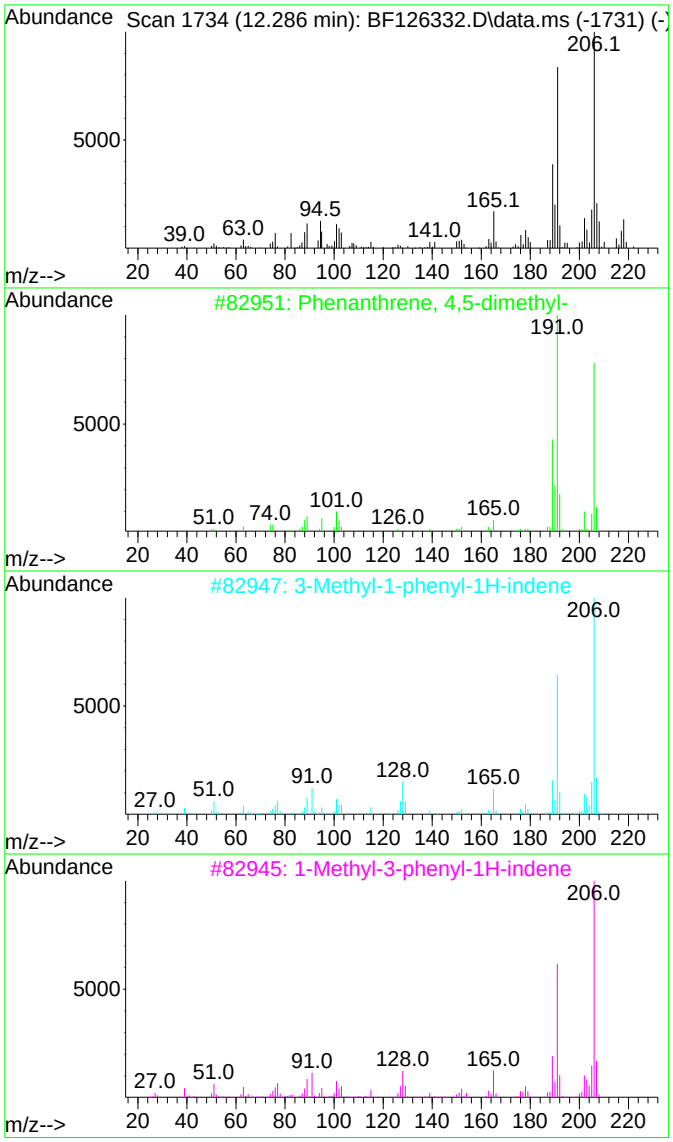
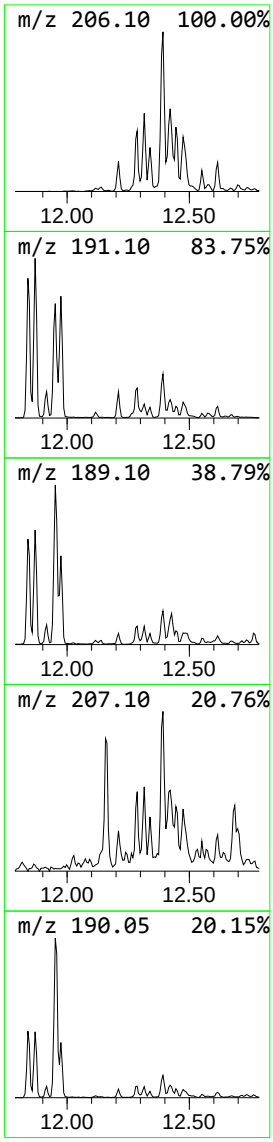
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	8.21 ng	302511	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	89
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87





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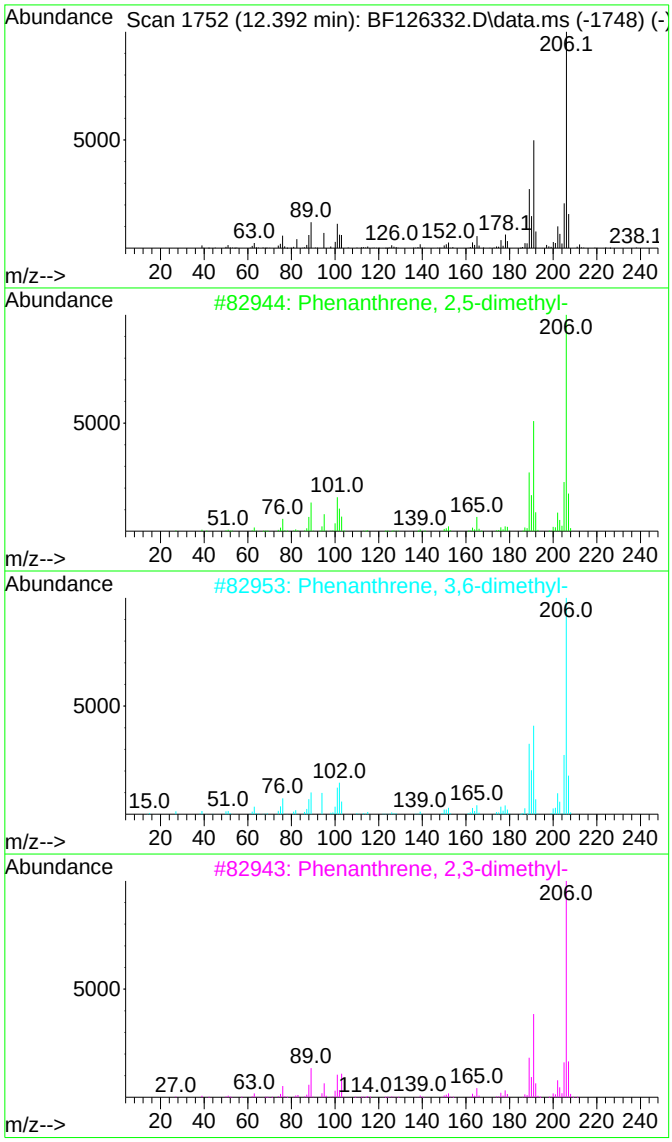
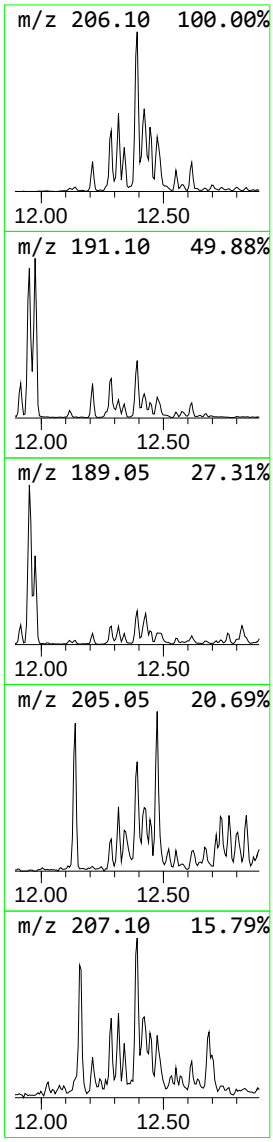
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	15.30 ng	564020	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, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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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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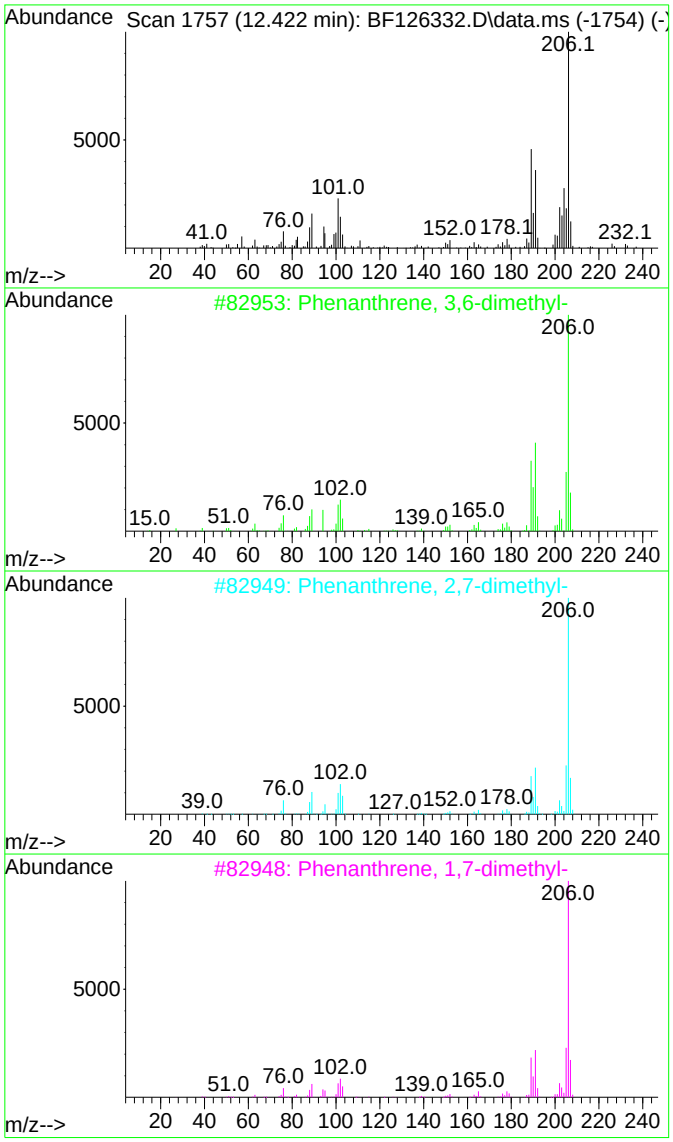
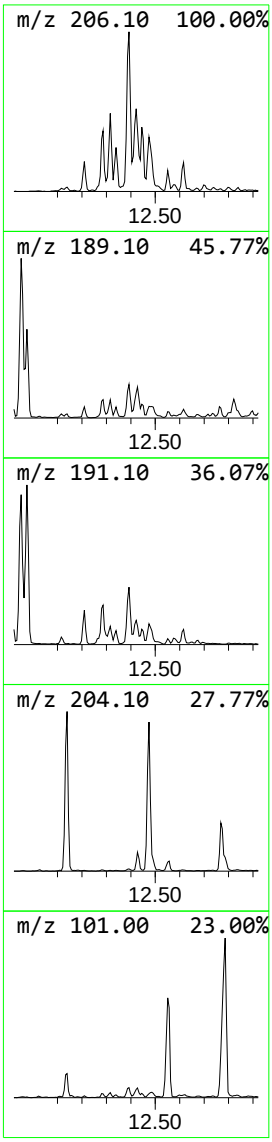
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	11.70 ng	431354	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	58
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	52





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Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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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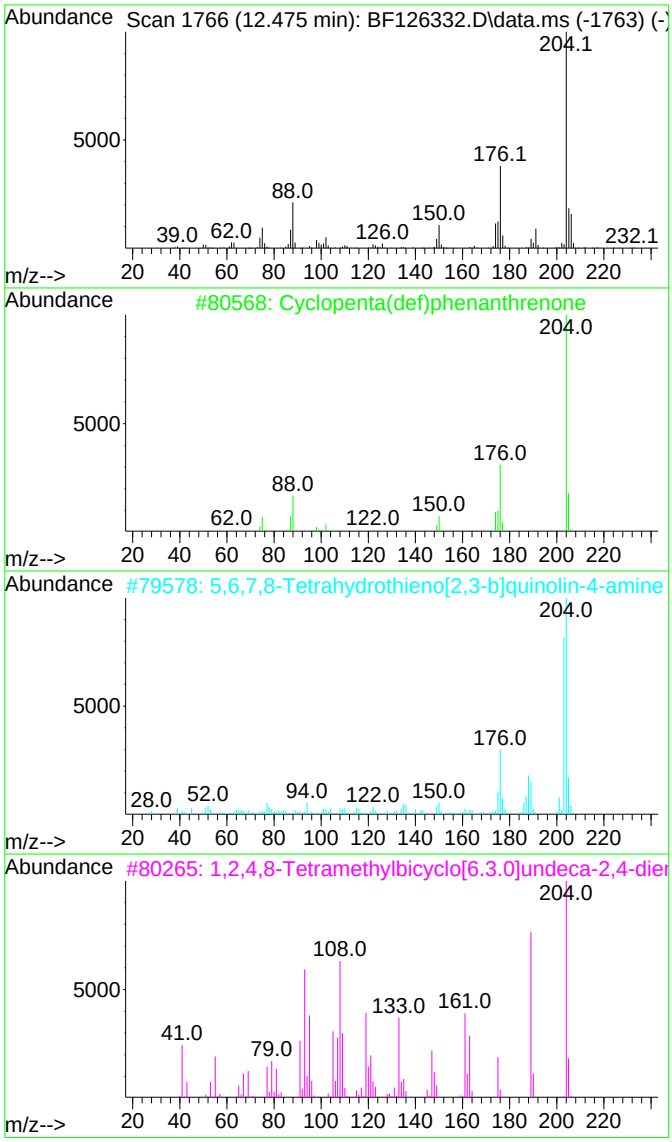
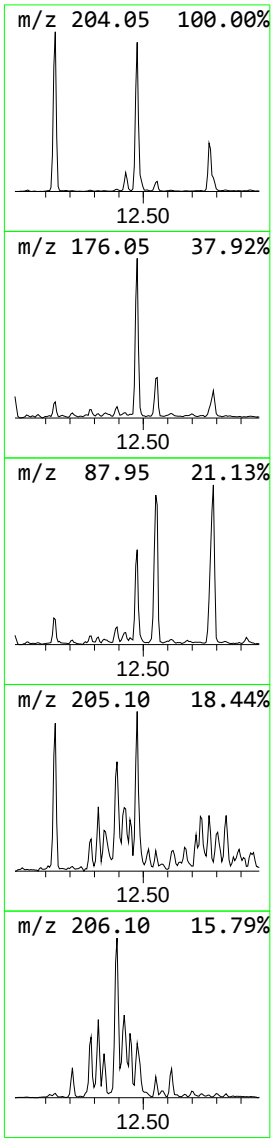
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	22.44 ng	827390	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	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
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Sample : M5198-04
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TIC Library : C:\Database\NIST20.L
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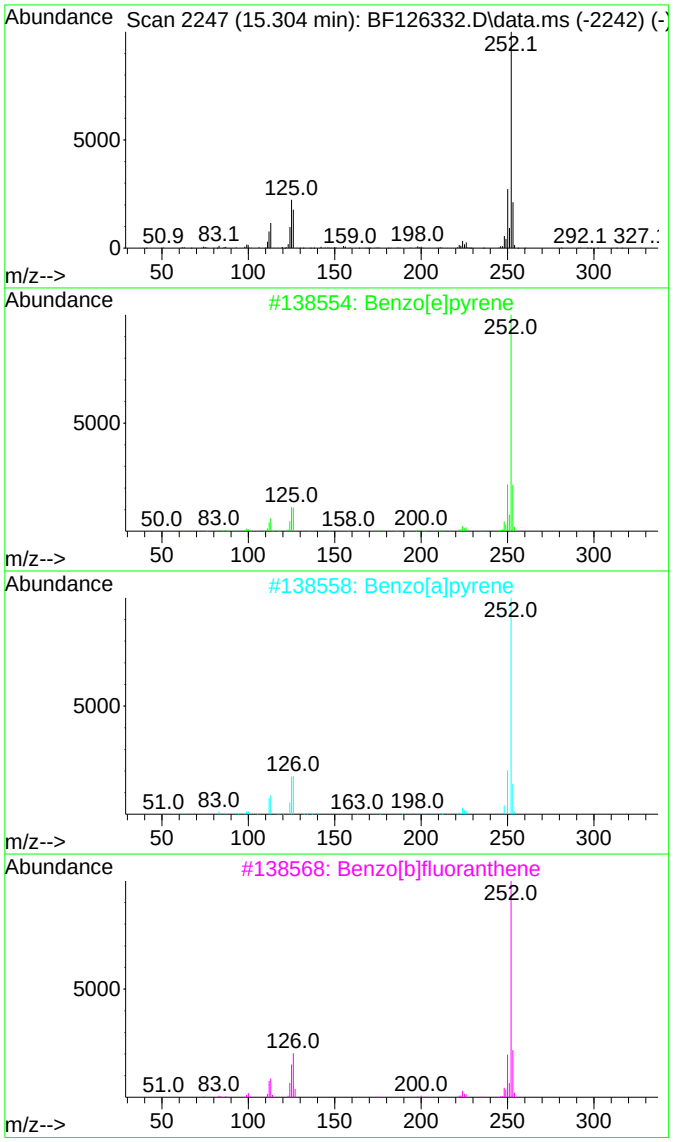
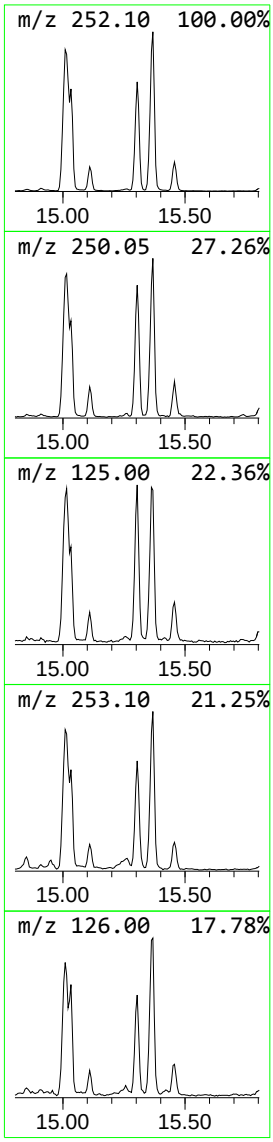
Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	19.35 ng	921747	Perylene-d12	15.427

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
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Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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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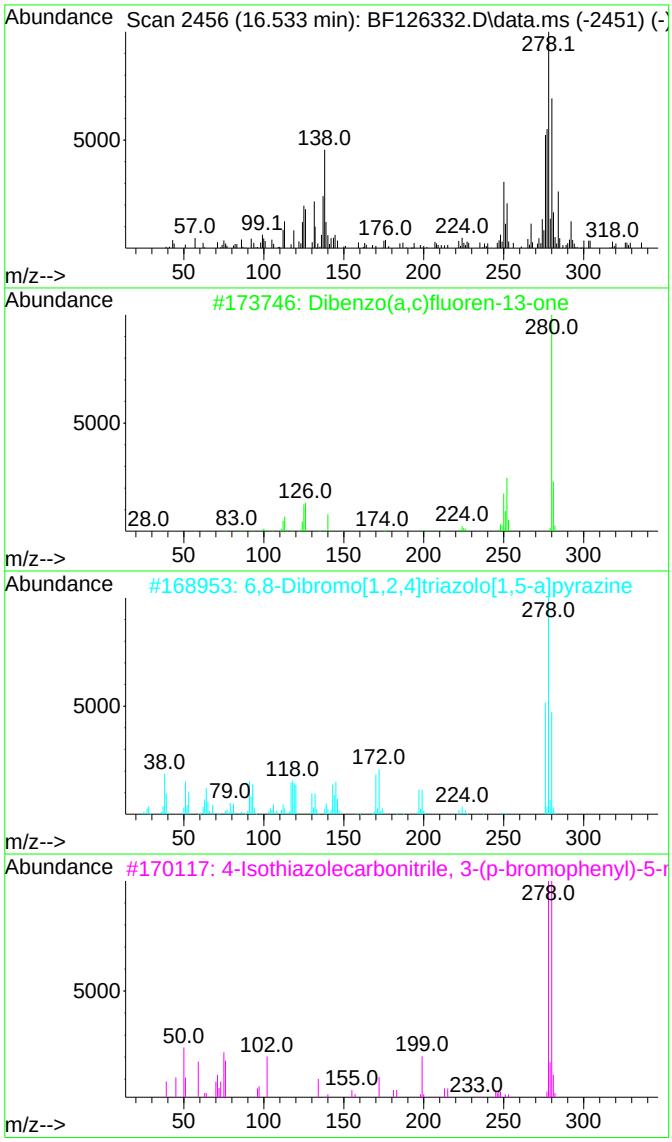
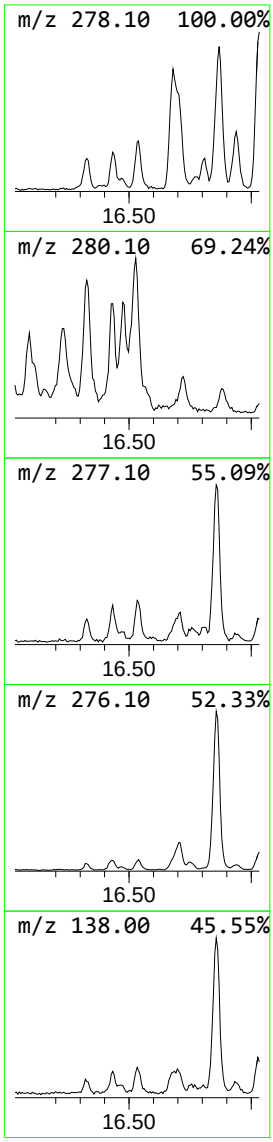
Peak Number 19 unknown16.533 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.533	10.28 ng	489845	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	44
2	6,8-Dibromo[1,2,4]triazolo[1,5-a...	276	C5H2Br2N4	944709-42-6	43
3	4-Isothiazolecarbonitrile, 3-(p-...	278	C11H7BrN2S	019762-79-9	42
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	35
5	4-Amino-5-(5-bromothiophen-2-yl)...	276	C6H5BrN4S2	1000387-62-6	30





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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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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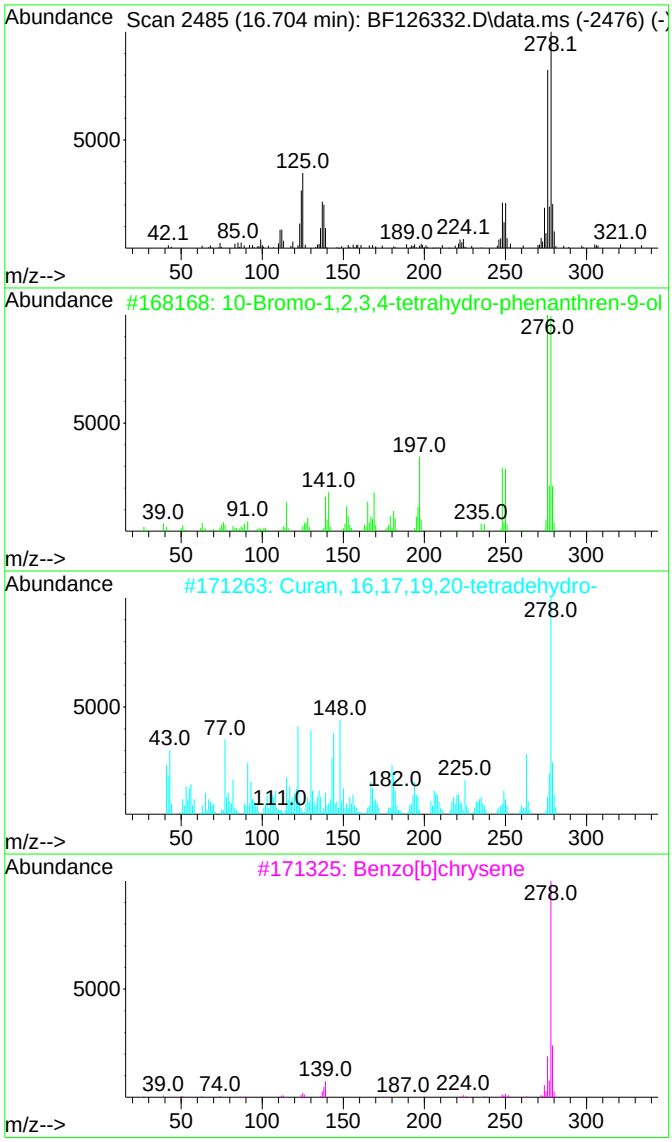
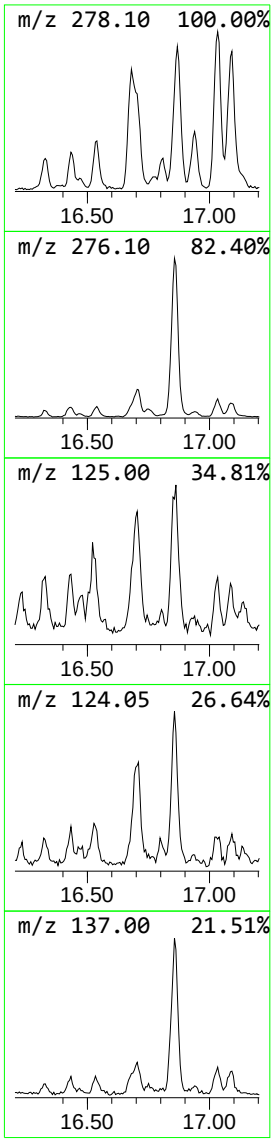
Peak Number 20 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.704	8.32 ng	396564	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	72
2	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	50
3	Benzo[b]chrysene	278	C22H14	000214-17-5	46
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20-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
Naphthalene, 1,...	9.439	8.9	ng	486058	3	9.851	1090110	20.0
Naphthalene, 1,...	9.510	11.8	ng	640934	3	9.851	1090110	20.0
9H-Fluorene, 1-...	10.945	7.8	ng	287672	4	11.339	737376	20.0
9H-Fluoren-9-one	11.139	21.5	ng	793349	4	11.339	737376	20.0
Naphtho[2,1-b]t...	11.233	18.0	ng	662744	4	11.339	737376	20.0
Naphthalene, 1-...	11.633	8.7	ng	320594	4	11.339	737376	20.0
2-Methyldibenzo...	11.669	13.4	ng	493364	4	11.339	737376	20.0
Anthracene, 1-m...	11.839	37.2	ng	1372170	4	11.339	737376	20.0
Phenanthrene, 2...	11.869	37.3	ng	1375430	4	11.339	737376	20.0
1H-Indene, 2-ph...	11.951	40.4	ng	1489860	4	11.339	737376	20.0
Anthracene, 2-m...	11.975	26.4	ng	973164	4	11.339	737376	20.0
Naphthalene, 2-...	12.139	20.6	ng	759895	4	11.339	737376	20.0
9,10-Anthracene...	12.157	24.3	ng	895251	4	11.339	737376	20.0
Phenanthrene, 4...	12.286	8.2	ng	302511	4	11.339	737376	20.0
Phenanthrene, 2...	12.392	15.3	ng	564020	4	11.339	737376	20.0
Phenanthrene, 3...	12.422	11.7	ng	431354	4	11.339	737376	20.0
Cyclopenta(def)...	12.475	22.4	ng	827390	4	11.339	737376	20.0
Benzo[e]pyrene	15.304	19.4	ng	921747	6	15.427	952777	20.0
unknown16.533	16.533	10.3	ng	489845	6	15.427	952777	20.0
10-Bromo-1,2,3,...	16.704	8.3	ng	396564	6	15.427	952777	20.0