LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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: BF126333.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	563	566	579	rBV	370737	426793	9.61%	0.790%
2	6.434	735	739	752	rBV	501331	498601	11.23%	0.923%
3	6.816	800	804	815	rVB	1029471	863689	19.45%	1.599%
4	7.375	895	899	910	rBV	306818	319245	7.19%	0.591%
5	8.098	1018	1022	1025	rBV	1267810	1097881	24.72%	2.033%
6	8.810	1140	1143	1150	rBV	395538	356159	8.02%	0.660%
7	8.910	1155	1160	1169	rVB	368226	333149	7.50%	0.617%
8	9.175	1201	1205	1216	rBV	596389	549791	12.38%	1.018%
9	9.369	1235	1238	1244	rVB	217840	215569	4.85%	0.399%
10	9.439	1245	1250	1254	rBV	297712	395840	8.91%	0.733%
11	9.510	1258	1262	1265	rBV	527375	528636	11.90%	0.979%
12	9.539	1265	1267	1270	rVB	307021	246837	5.56%	0.457%
13	9.628	1278	1282	1288	rBV	306134	343100	7.73%	0.635%
14	9.710	1290	1296	1301	rVV2	204803	216127	4.87%	0.400%
15	9.851	1314	1320	1323	rBV	1273377	1226544	27.62%	2.271%
16	9.886	1323	1326	1329	rVB	598629	587365	13.23%	1.088%
17	9.957	1335	1338	1342	rBV	192475	240448	5.41%	0.445%
18	10.010	1342	1347	1349	rBV2	167364	192160	4.33%	0.356%
19	10.051	1351	1354	1358	rVB	270782	271676	6.12%	0.503%
20	10.092	1358	1361	1364	rBV	214273	181878	4.10%	0.337%
21	10.169	1370	1374	1377	rBV	184839	186558	4.20%	0.345%
22	10.263	1385	1390	1391	rBV2	163205	205933	4.64%	0.381%
23	10.398	1409	1413	1419	rBV2	539831	556033	12.52%	1.030%
24	10.451	1419	1422	1423	rVV2	167304	186963	4.21%	0.346%
25	10.463	1423	1424	1426	rVV	275413	199331	4.49%	0.369%
26	10.486	1426	1428	1430	rVV2	229098	195572	4.40%	0.362%
27	10.510	1430	1432	1434	rVV2	173809	158963	3.58%	0.294%
28	10.557	1437	1440	1444	rVB2	174535	235972	5.31%	0.437%
29	10.639	1449	1454	1458	rVV3	221508	297610	6.70%	0.551%
30	10.763	1473	1475	1482	rVB2	138294	198789	4.48%	0.368%
31	10.945	1501	1506	1509	rBV3	186120	263497	5.93%	0.488%
32	10.974	1509	1511	1514	rVV2	208420	178090	4.01%	0.330%
33	11.098	1529	1532	1534	rVV3	131247	144648	3.26%	0.268%
34	11.139	1536	1539	1544	rVV	458042	448613	10.10%	0.831%
35	11.186	1544	1547	1552	rVV4	95074	172856	3.89%	0.320%
36	11.233	1552	1555	1561	rVB	608319	568120	12.79%	1.052%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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	11.339	1569	1573	1574	rBV	944231	866430	19.51%	1.604%
38	11.369	1574	1578	1581	rVV	4350308	4441209	100.00%	8.224%
39	11.410	1583	1585	1589	rVV	947178	843237	18.99%	1.562%
40	11.633	1620	1623	1626	rVB	311510	243367	5.48%	0.451%
41	11.669	1626	1629	1634	rVB	428120	367514	8.28%	0.681%
42	11.751	1641	1643	1647	rVB	183824	170686	3.84%	0.316%
43	11.792	1647	1650	1653	rBV	189834	181062	4.08%	0.335%
44	11.839	1655	1658	1661	rVV	1203735	1102298	24.82%	2.041%
45	11.869	1661	1663	1666	rVB	1474076	1134794	25.55%	2.101%
46	11.916	1668	1671	1673	rBV	318178	251292	5.66%	0.465%
47	11.951	1673	1677	1679	rBV	1420331	1481266	33.35%	2.743%
48	11.974	1679	1681	1685	rVB	1123376	891071	20.06%	1.650%
49	12.133	1706	1708	1710	rBV	636636	581433	13.09%	1.077%
50	12.157	1710	1712	1719	rVB2	751117	704153	15.85%	1.304%
51	12.210	1719	1721	1725	rBV2	142232	141921	3.20%	0.263%
52	12.286	1731	1734	1736	rVB	235464	193560	4.36%	0.358%
53	12.316	1736	1739	1741	rBV	192855	131317	2.96%	0.243%
54	12.392	1748	1752	1754	rBV	546591	554782	12.49%	1.027%
55	12.427	1754	1758	1760	rBV3	290817	315349	7.10%	0.584%
56	12.474	1763	1766	1772	rBV	627217	642121	14.46%	1.189%
57	12.551	1773	1779	1783	rBV	2309132	2398936	54.02%	4.442%
58	12.616	1788	1790	1797	rVB5	197444	251321	5.66%	0.465%
59	12.680	1797	1801	1803	rBV2	289559	297310	6.69%	0.551%
60	12.786	1813	1819	1822	rBV	3217007	3656728	82.34%	6.772%
61	12.921	1839	1842	1849	rVB	534309	606415	13.65%	1.123%
62	12.998	1851	1855	1858	rBV2	403931	515365	11.60%	0.954%
63	13.086	1866	1870	1871	rBV2	304888	376898	8.49%	0.698%
64	13.168	1876	1884	1887	rBV5	226918	374995	8.44%	0.694%
65	13.210	1887	1891	1894	rVV	643655	574726	12.94%	1.064%
66	13.304	1904	1907	1909	rVV	439682	361540	8.14%	0.670%
67	13.333	1909	1912	1915	rVB	559692	441233	9.93%	0.817%
68	13.410	1922	1925	1930	rVB5	98920	153111	3.45%	0.284%
69	13.610	1956	1959	1962	rBV	501670	438654	9.88%	0.812%
70	13.721	1973	1978	1981	rBV2	386271	527619	11.88%	0.977%
71	13.751	1981	1983	1985	rVV	432759	380777	8.57%	0.705%
72	13.774	1985	1987	1990	rVV	229522	215730	4.86%	0.399%
73	13.821	1991	1995	2002	rVB2	391443	522089	11.76%	0.967%
74	13.968	2016	2020	2023	rBV2	1673007	2244587	50.54%	4.157%
75	14.004	2023	2026	2031	rVB	1515471	1520651	34.24%	2.816%
76	14.068	2034	2037	2041	rBV3	183498	260172	5.86%	0.482%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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	168309	173784	3.91%	0.322%
78	14.363	2083	2087	2090	rVV	514222	514354	11.58%	0.952%
79	14.398	2090	2093	2096	rVV	347899	334740	7.54%	0.620%
80	14.451	2096	2102	2105	rVV3	227402	361084	8.13%	0.669%
81	14.486	2105	2108	2110	rVV	266178	249190	5.61%	0.461%
82	14.510	2110	2112	2115	rVB2	192268	168075	3.78%	0.311%
83	14.557	2118	2120	2124	rVB2	160122	151104	3.40%	0.280%
84	14.833	2163	2167	2169	rBV2	123709	152874	3.44%	0.283%
85	14.915	2177	2181	2187	rVB3	116374	162068	3.65%	0.300%
86	15.010	2191	2197	2200	rBV2	824336	1482450	33.38%	2.745%
87	15.110	2211	2214	2217	rVB	161580	171153	3.85%	0.317%
88	15.304	2242	2247	2252	rVV	617758	742905	16.73%	1.376%
89	15.362	2252	2257	2263	rVV	872841	1084694	24.42%	2.009%
90	15.427	2263	2268	2271	rVV	693992	910651	20.50%	1.686%
91	15.457	2271	2273	2279	rVB3	200991	330612	7.44%	0.612%
92	15.892	2344	2347	2351	rBV2	89741	133536	3.01%	0.247%
93	15.974	2358	2361	2370	rVB5	78807	154766	3.48%	0.287%
94	16.533	2451	2456	2460	rVB3	77802	135880	3.06%	0.252%
95	16.698	2476	2484	2490	rVB2	96854	252148	5.68%	0.467%
96	16.856	2505	2511	2519	rVB2	318788	614750	13.84%	1.138%
97	17.033	2535	2541	2545	rBV	115746	198617	4.47%	0.368%
98	17.086	2546	2550	2555	rVB	85297	133855	3.01%	0.248%
99	17.286	2578	2584	2595	rVB	269983	549272	12.37%	1.017%
100	18.445	2770	2781	2788	rBV10	51046	191628	4.31%	0.355%

Sum of corrected areas: 54000945

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
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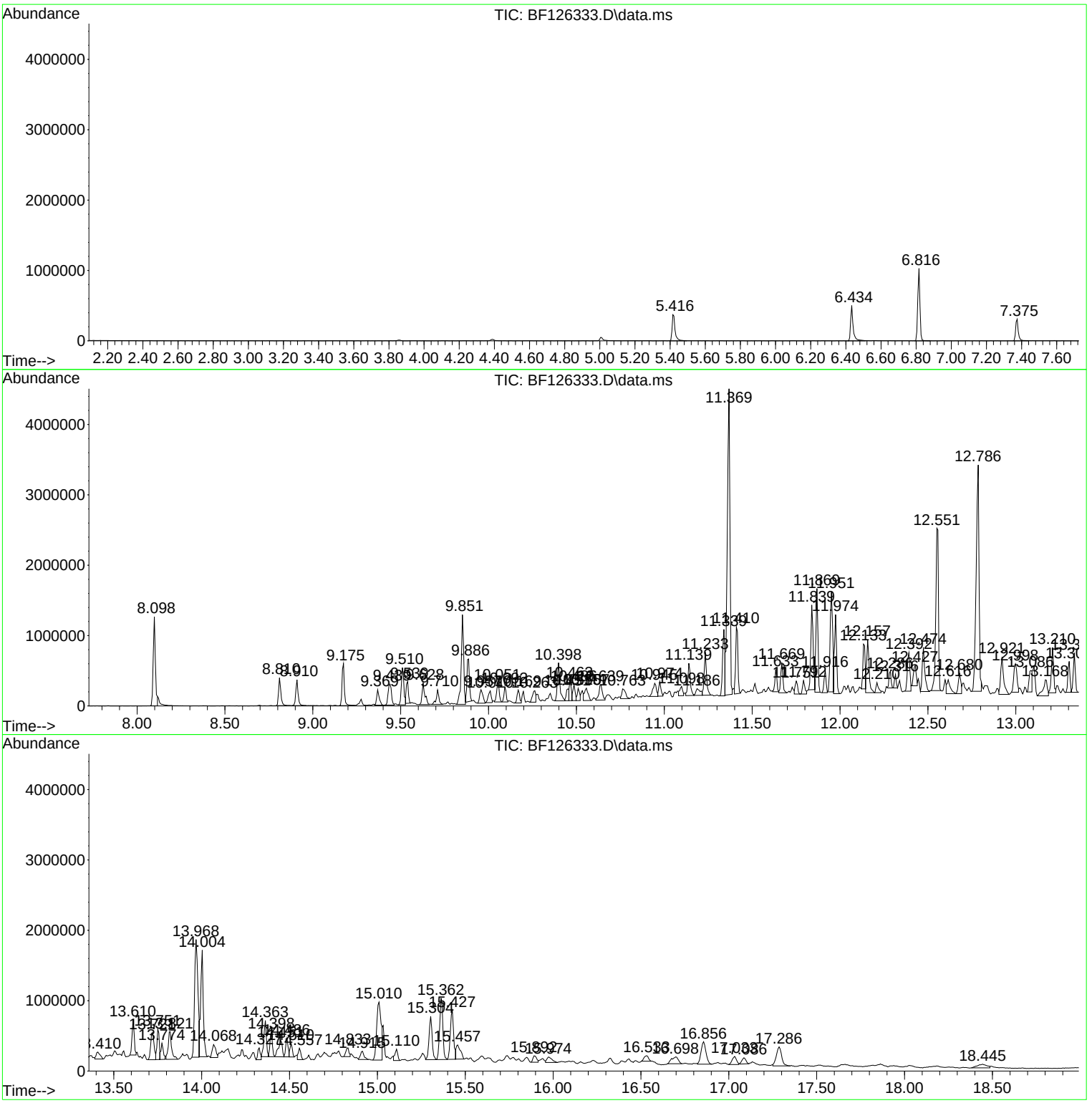
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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 : BF126333.D
Acq On : 22 Dec 2021 17:18
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Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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

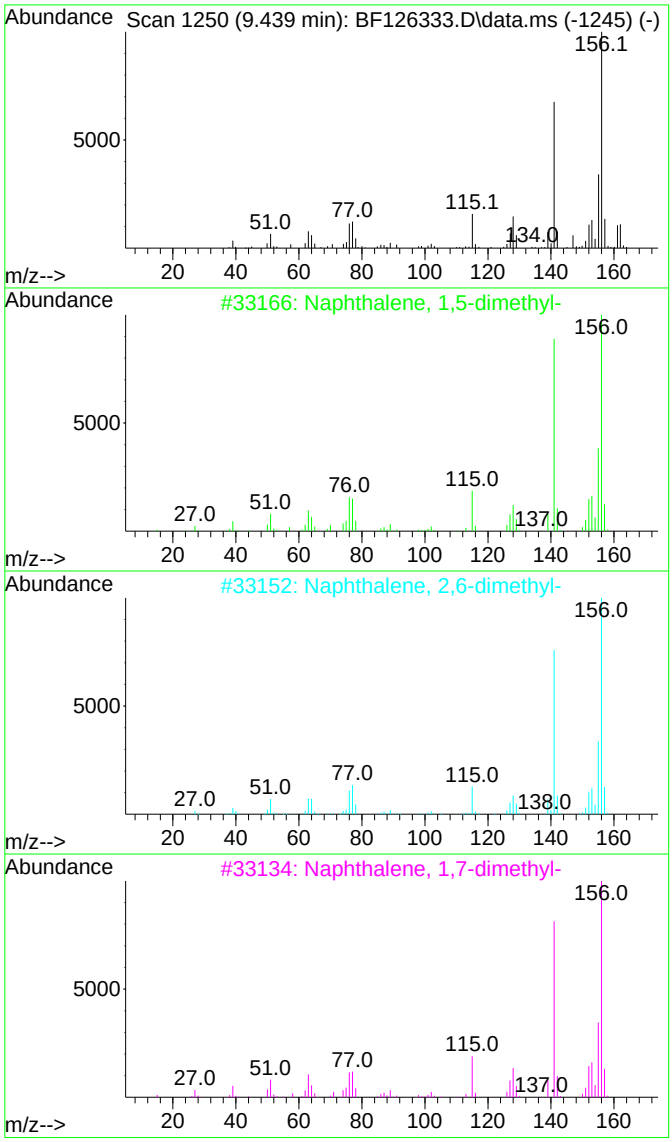
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

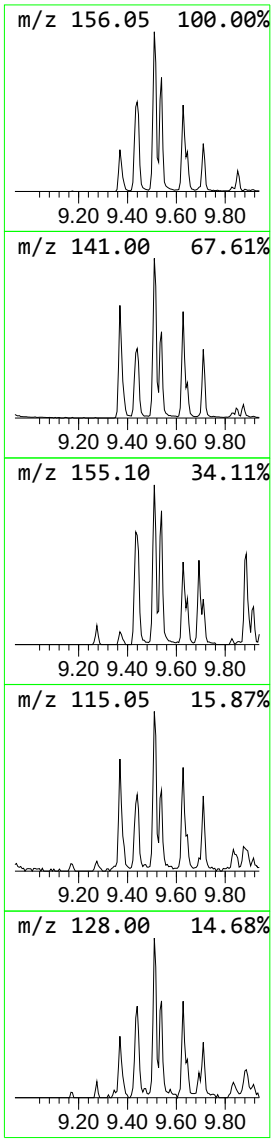
****

Peak Number 1 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	6.45 ng	395840	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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

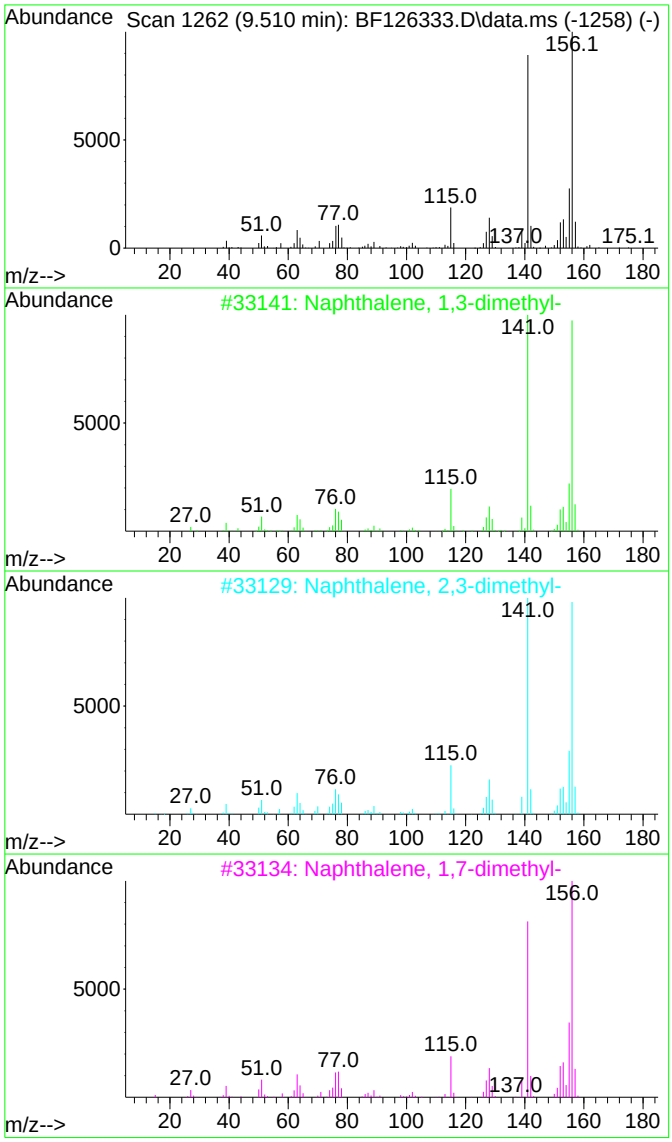
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

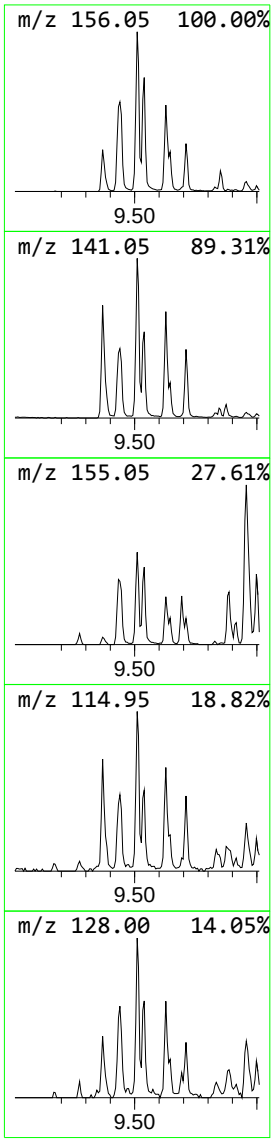
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	8.62 ng	528636	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, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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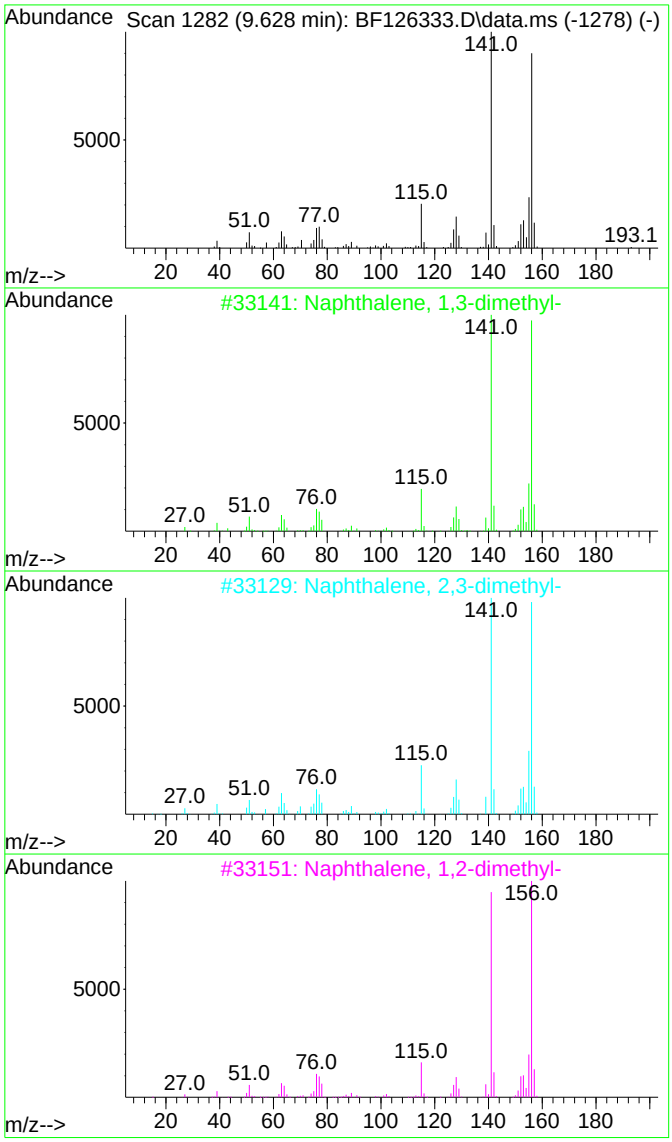
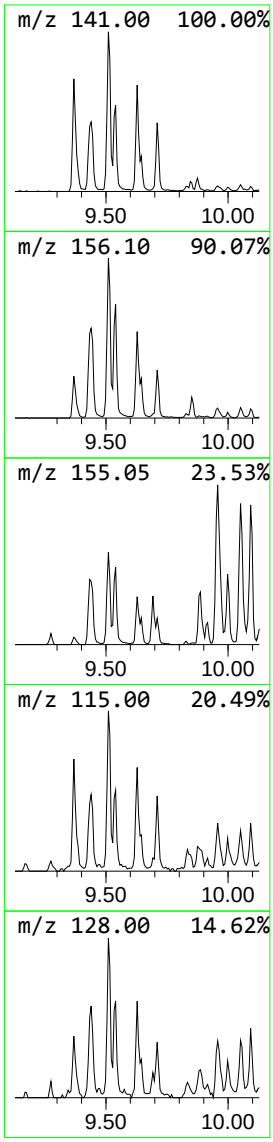
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.628	5.59 ng	343100	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, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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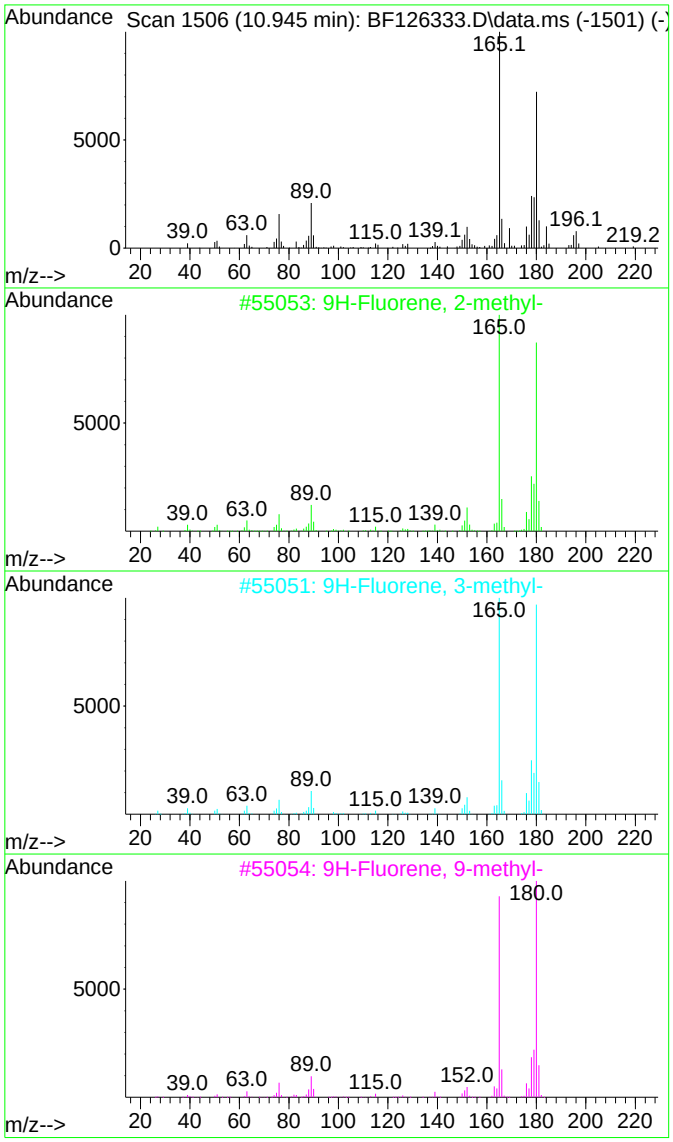
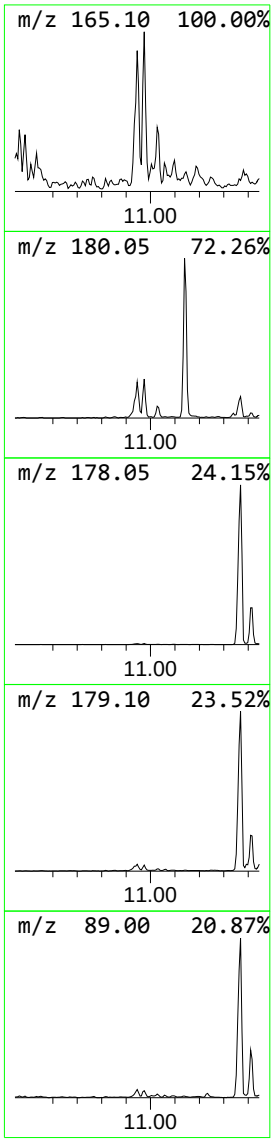
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.945	6.08 ng	263497	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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

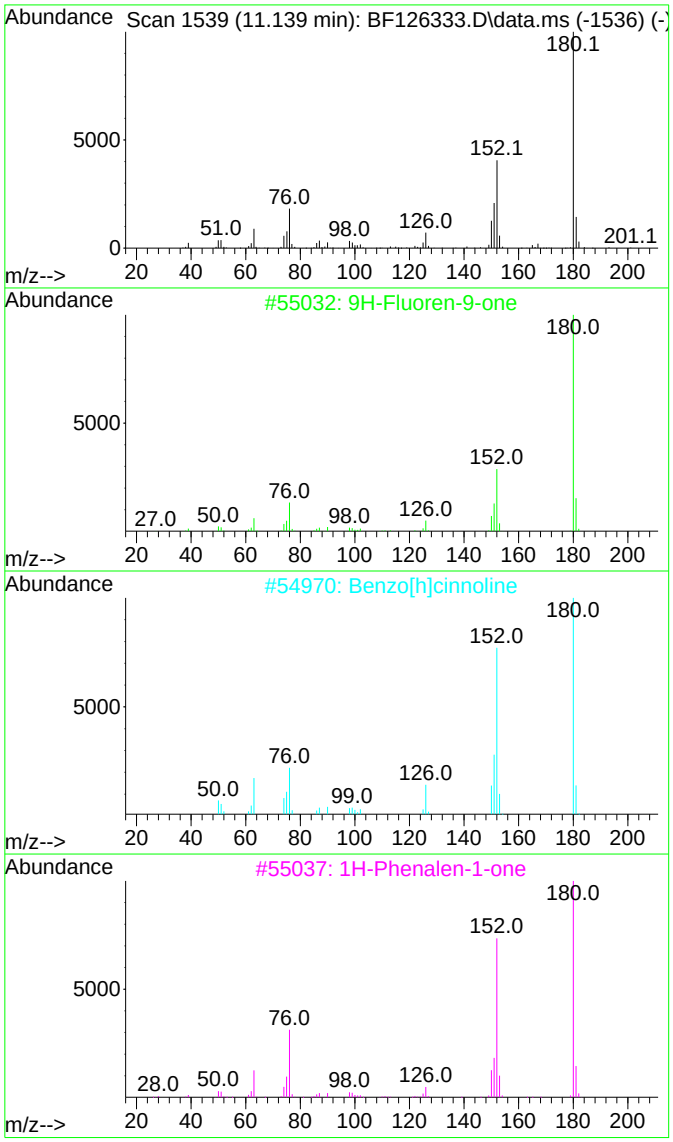
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

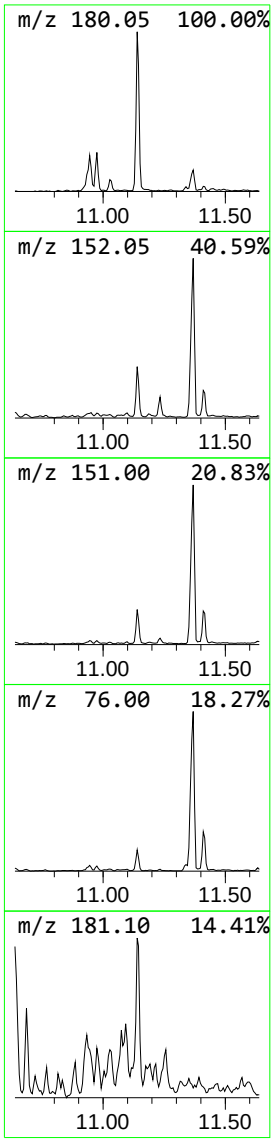
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	10.36 ng	448613	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	5-(Phenylethynyl)pyrimidine	180	C12H8N2	071418-88-7	43





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Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-91SB-22-C2

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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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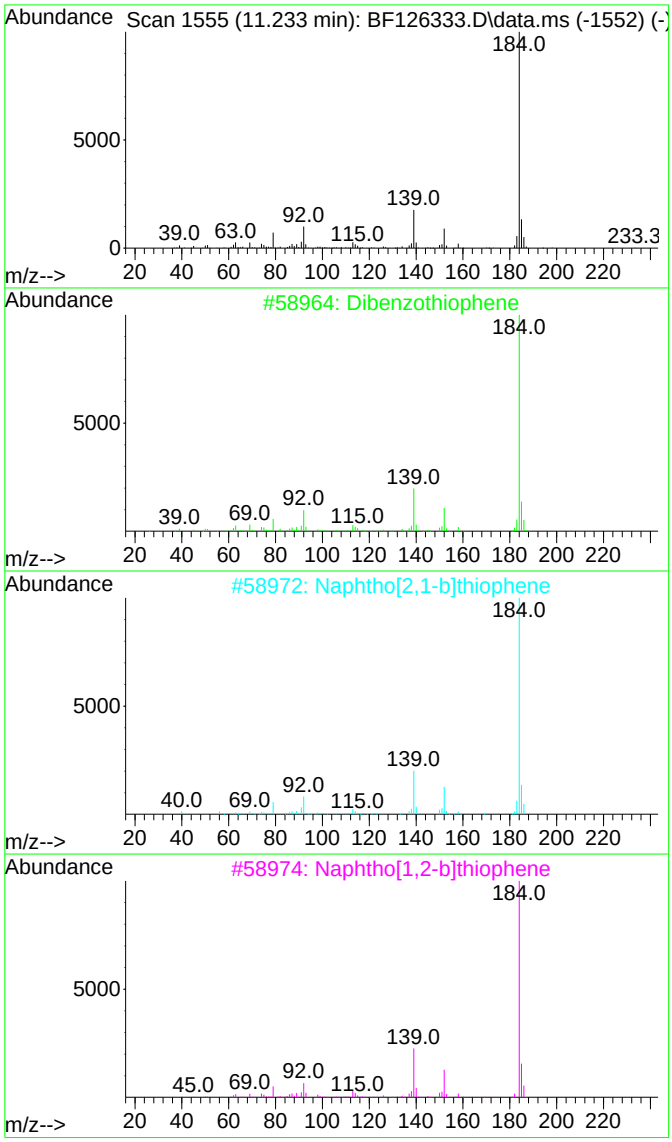
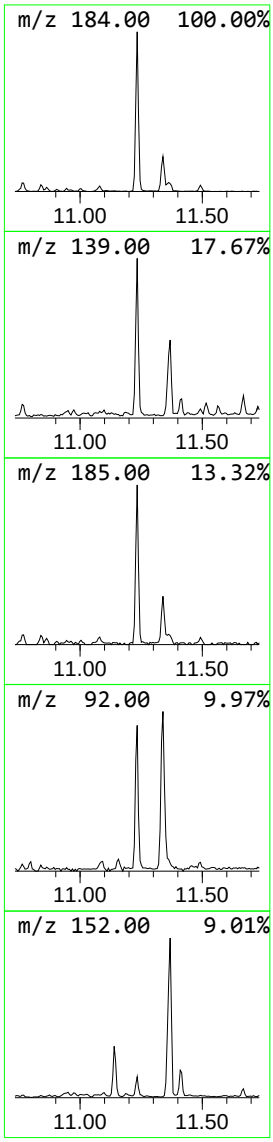
Peak Number 6 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	13.11 ng	568120	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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-91SB-22-C2

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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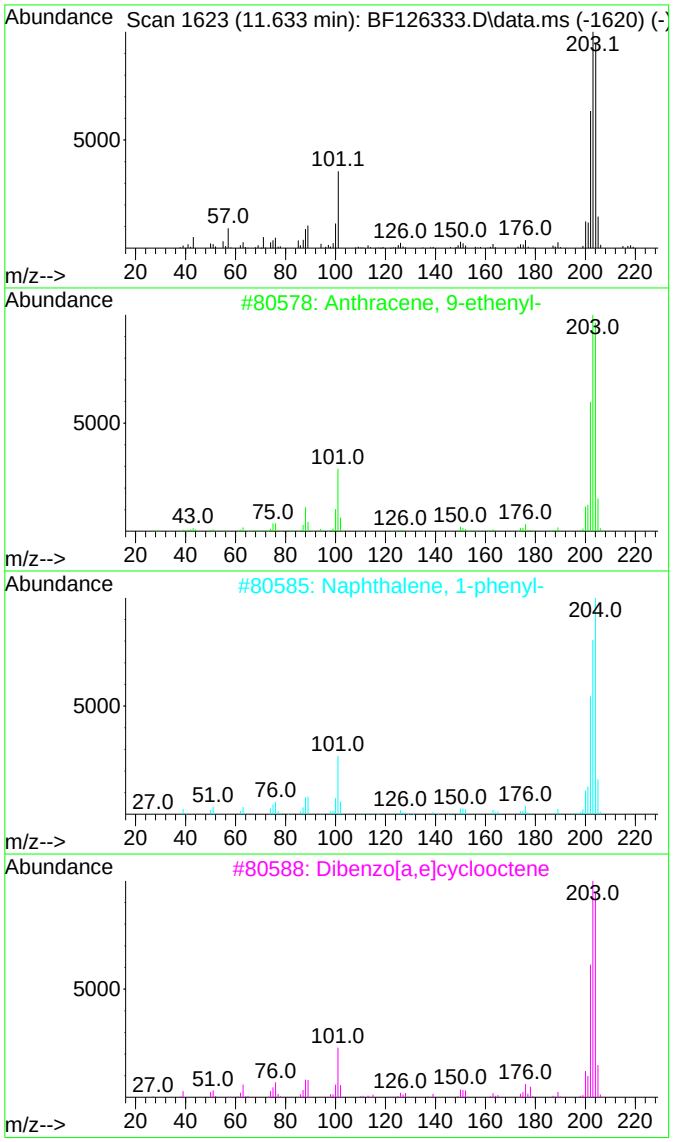
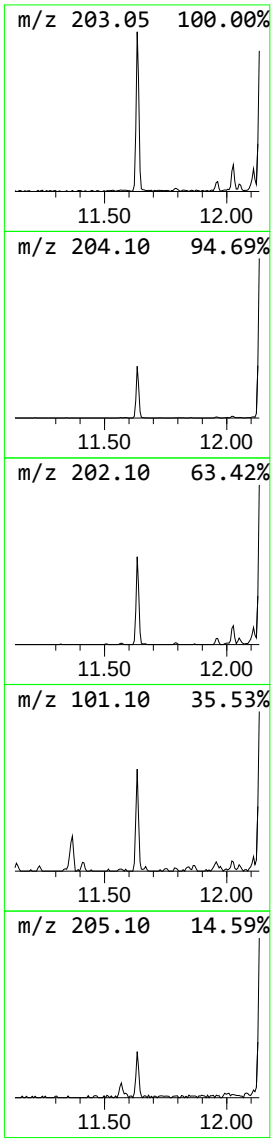
Peak Number 7 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.633	5.62 ng	243367	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	94
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





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Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-91SB-22-C2

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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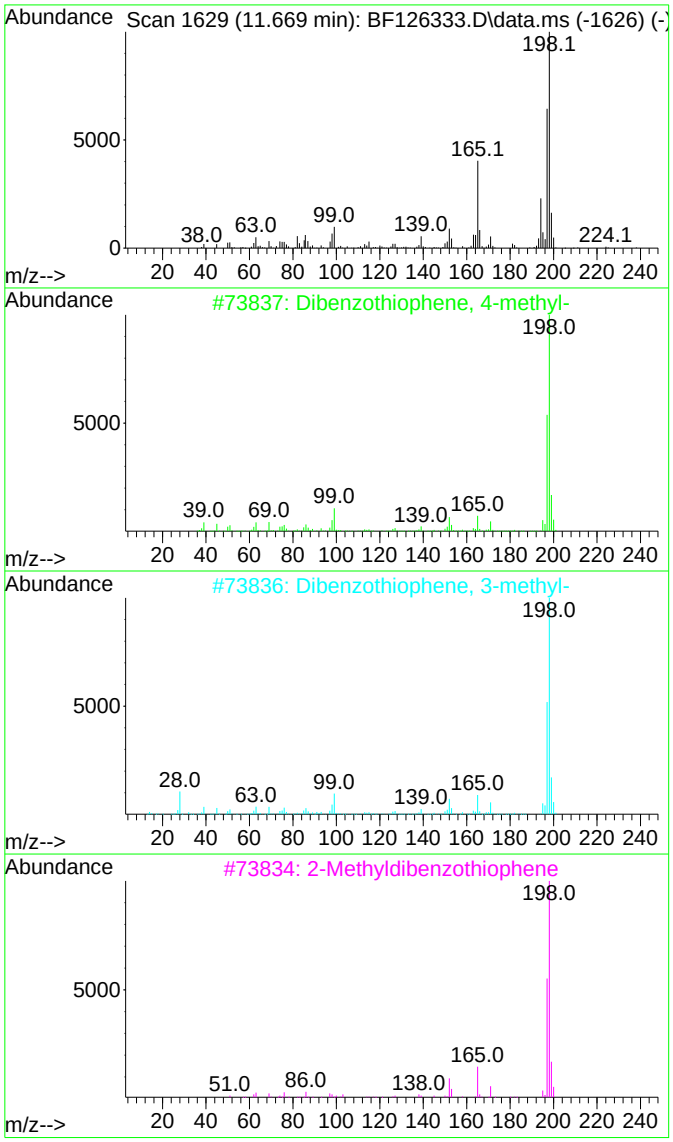
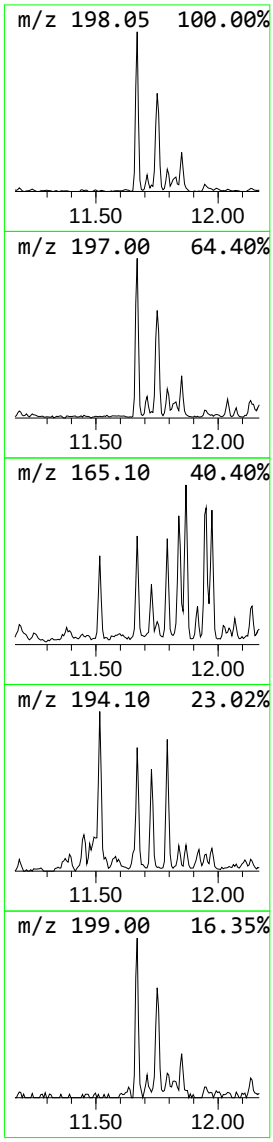
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.669	8.48 ng	367514	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	74
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	70
5	Thioxanthene	198	C13H10S	000261-31-4	64





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Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-91SB-22-C2

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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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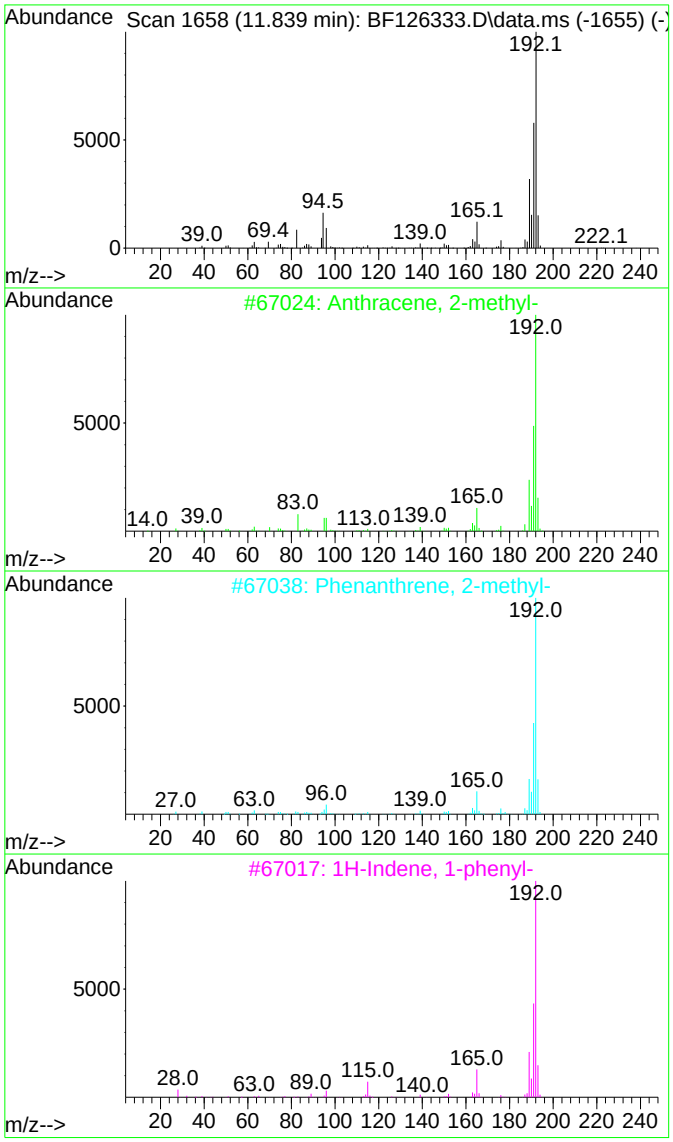
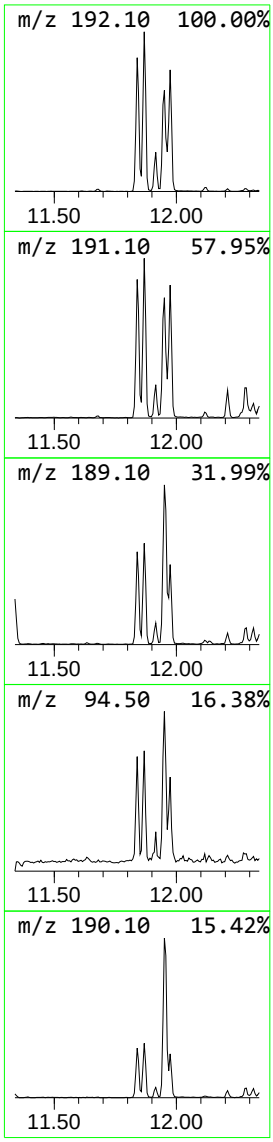
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	25.44 ng	1102300	Phenanthrene-d10	11.339

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	95
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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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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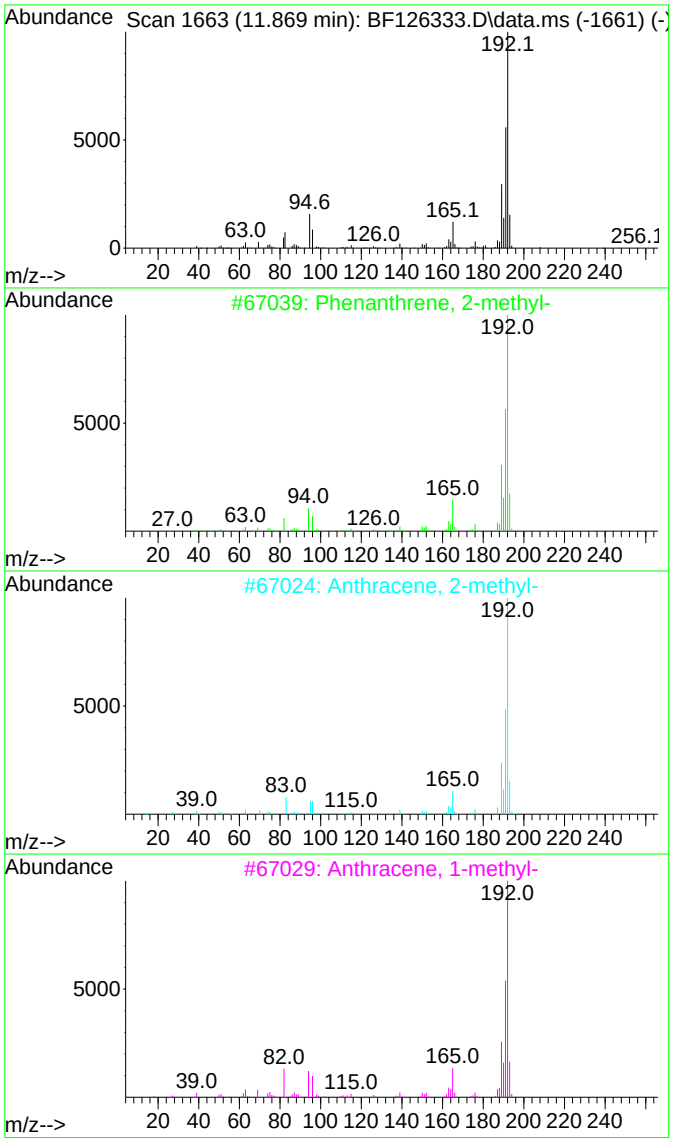
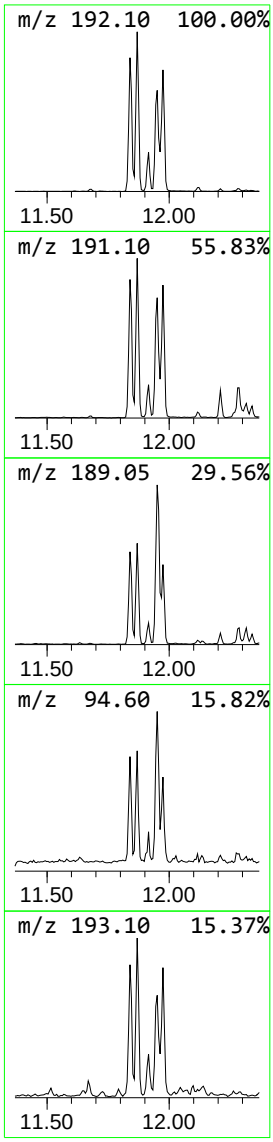
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	26.19 ng	1134790	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 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

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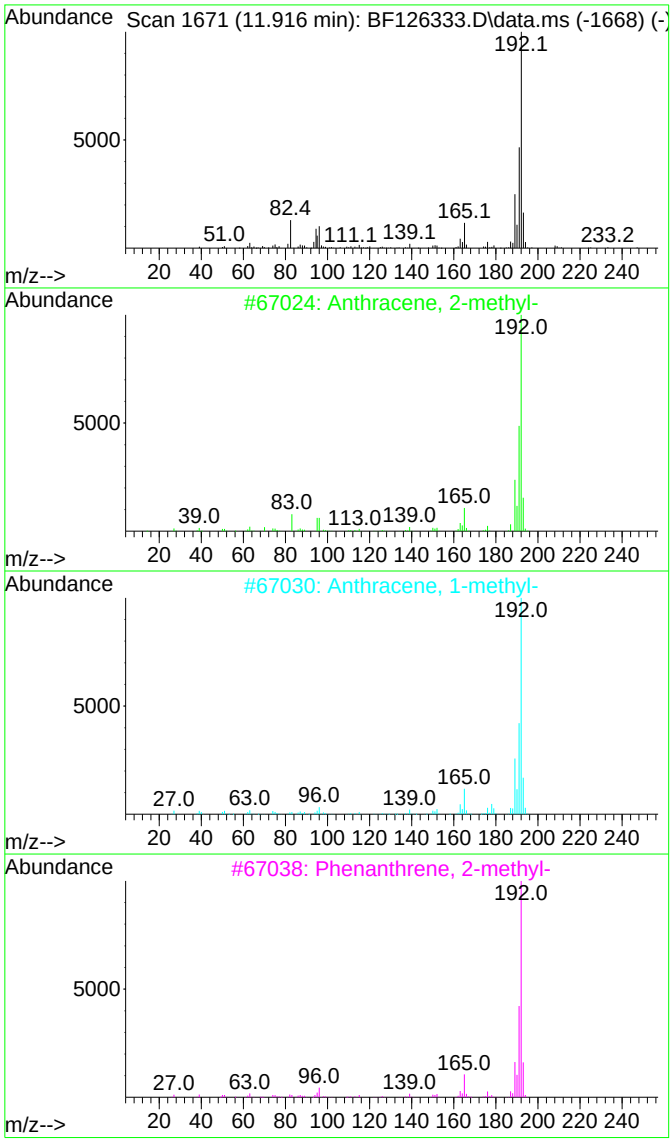
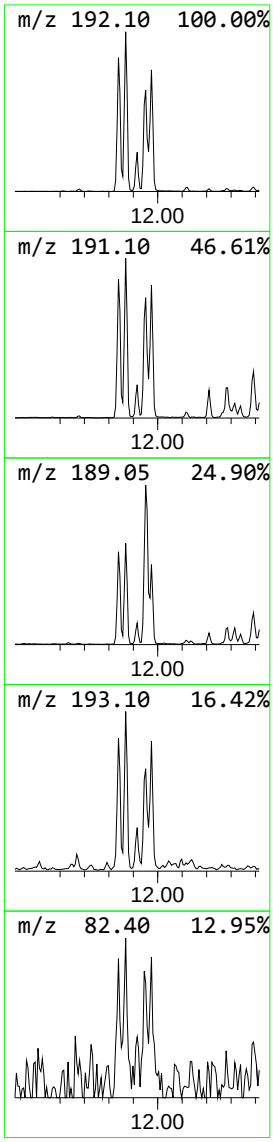
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.80 ng	251292	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	94





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Sample : M5198-01 5X
Misc :
ALS Vial : 13 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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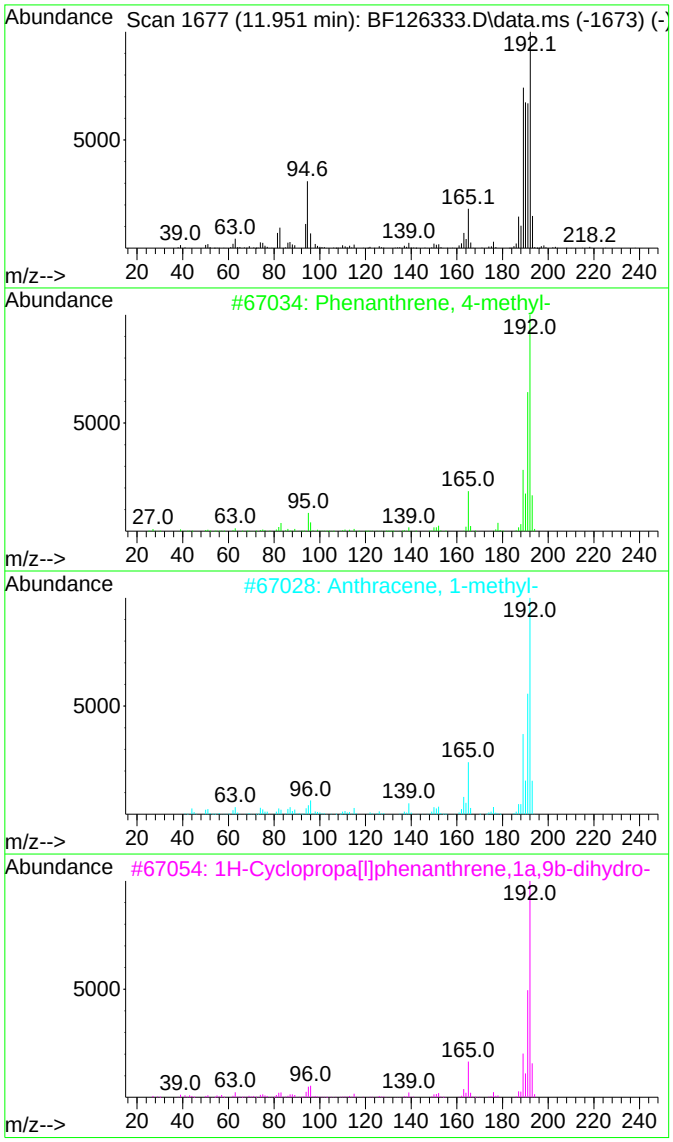
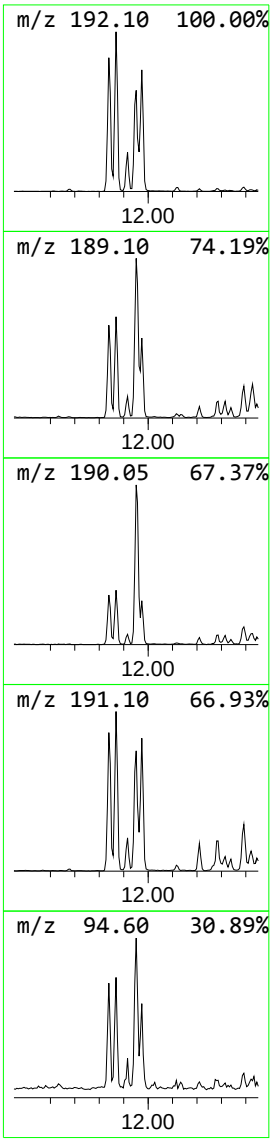
Peak Number 12 unknown11.951 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	34.19 ng	1481270	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Sample : M5198-01 5X
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ALS Vial : 13 Sample Multiplier: 1

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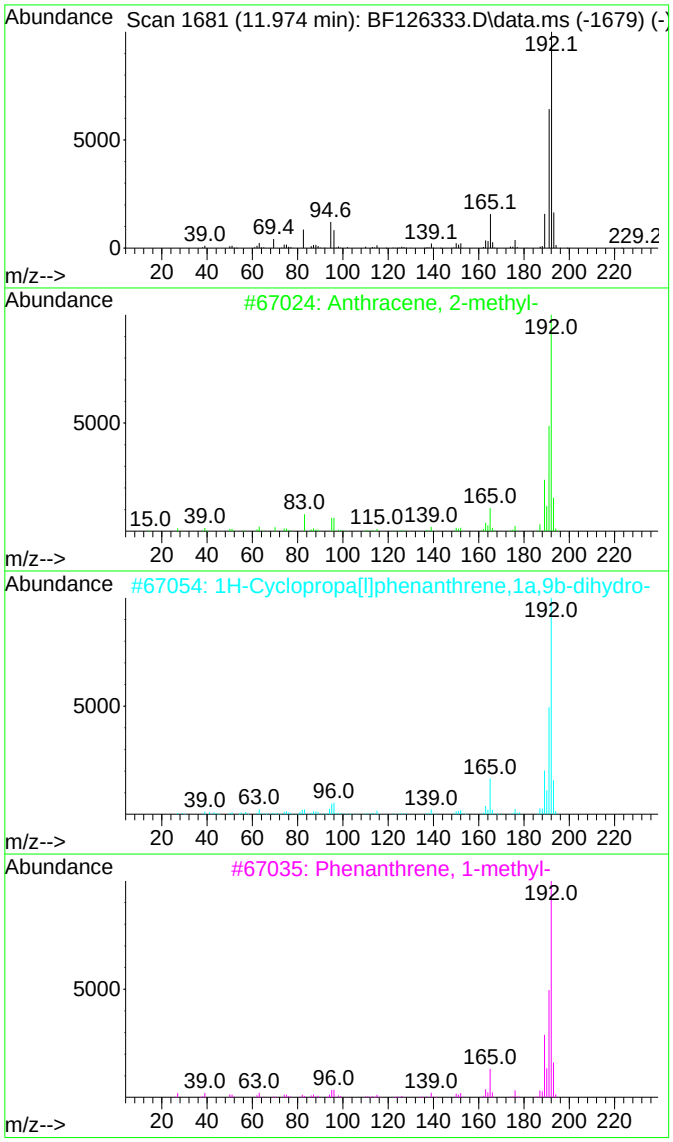
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

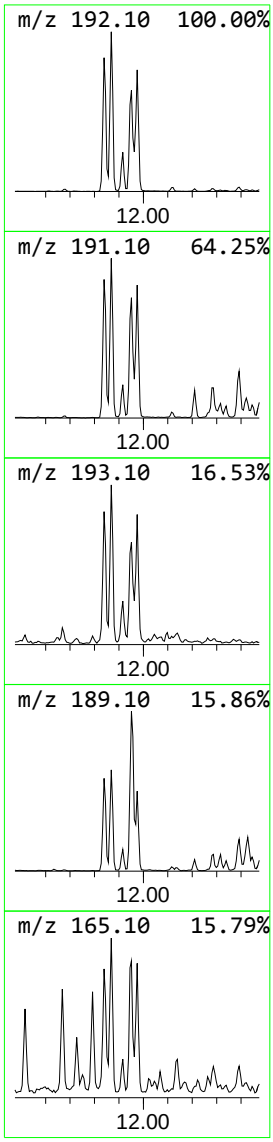
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	20.57 ng	891071	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : M5198-01 5X
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ALS Vial : 13 Sample Multiplier: 1

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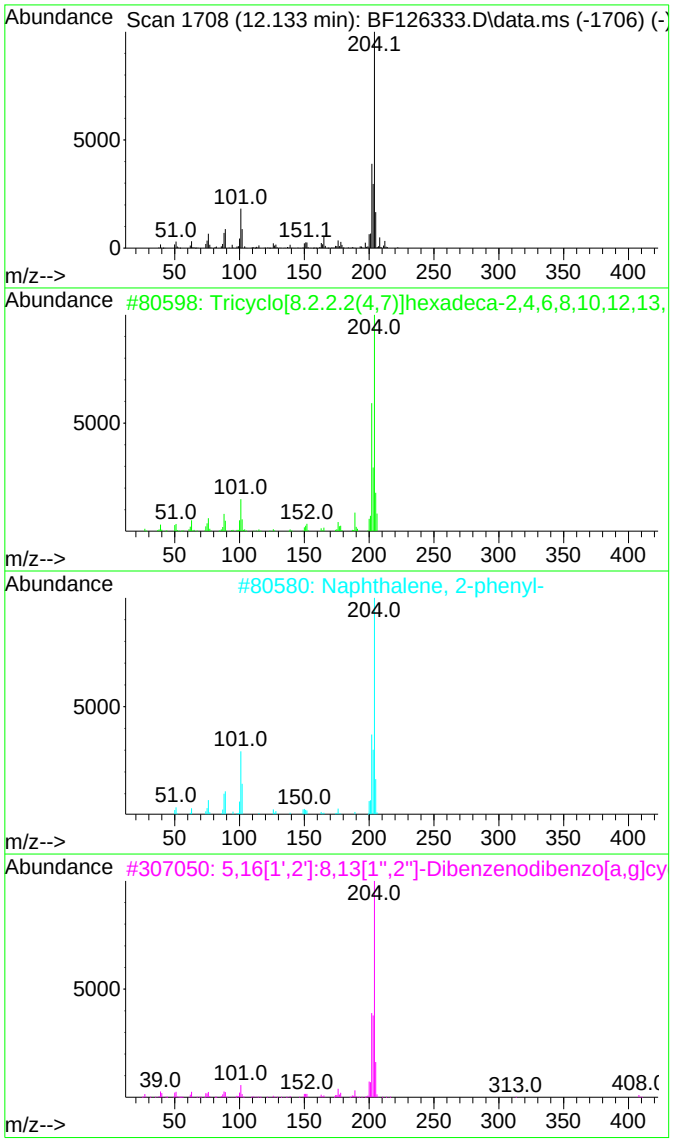
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

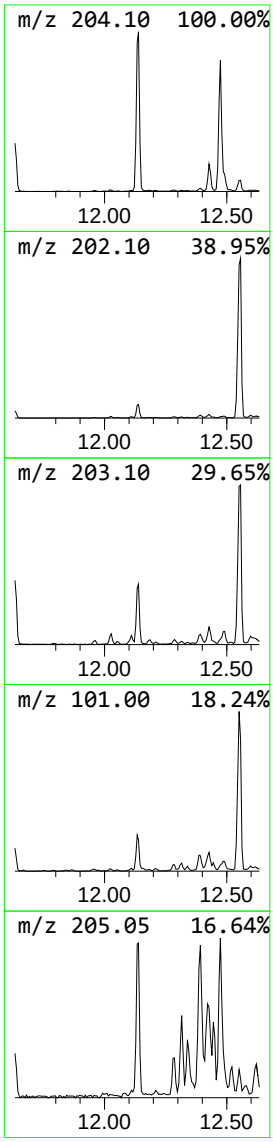
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	13.42 ng	581433	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	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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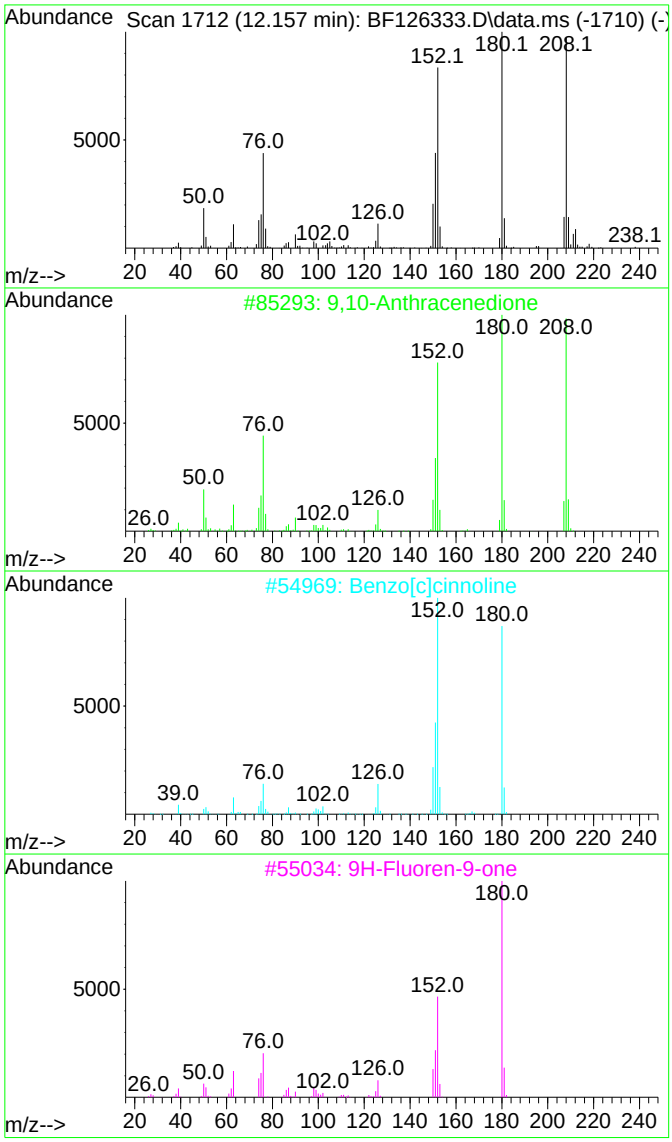
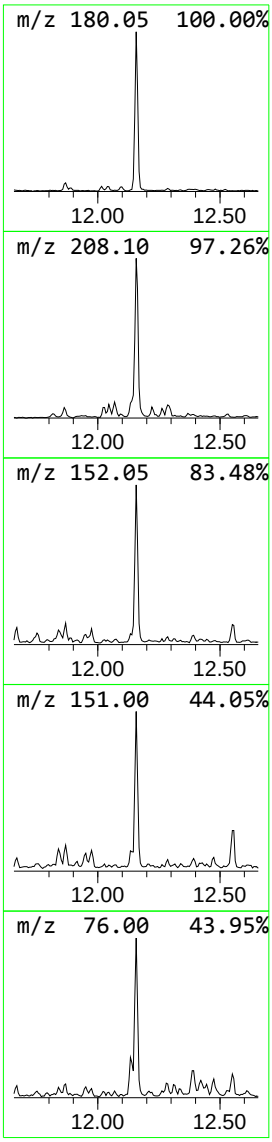
Peak Number 15 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	16.25 ng	704153	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	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	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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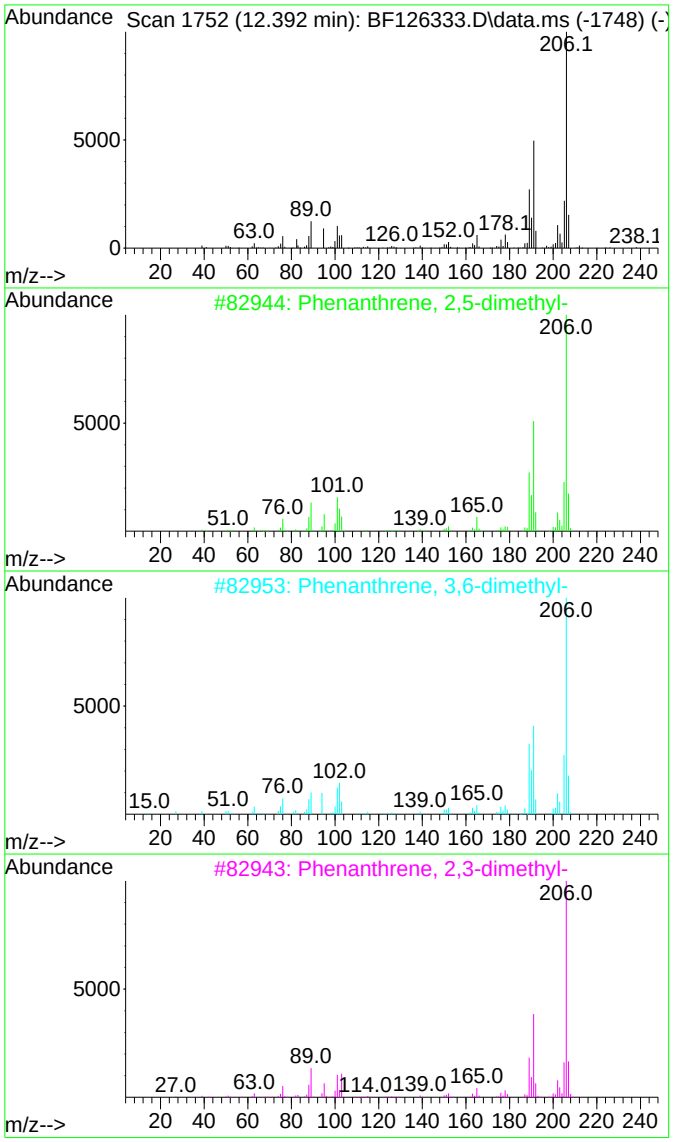
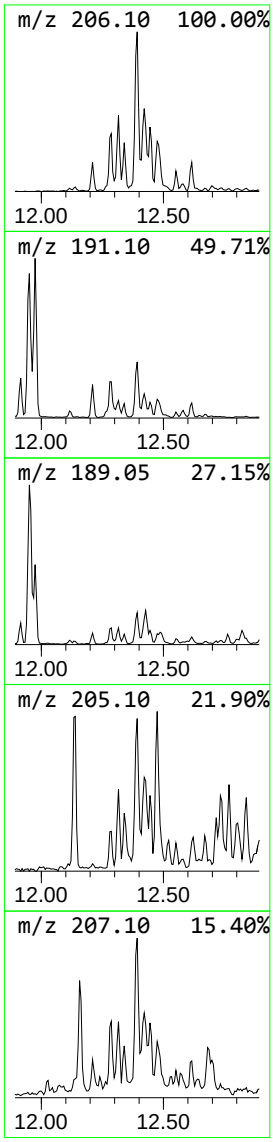
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	12.81 ng	554782	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
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	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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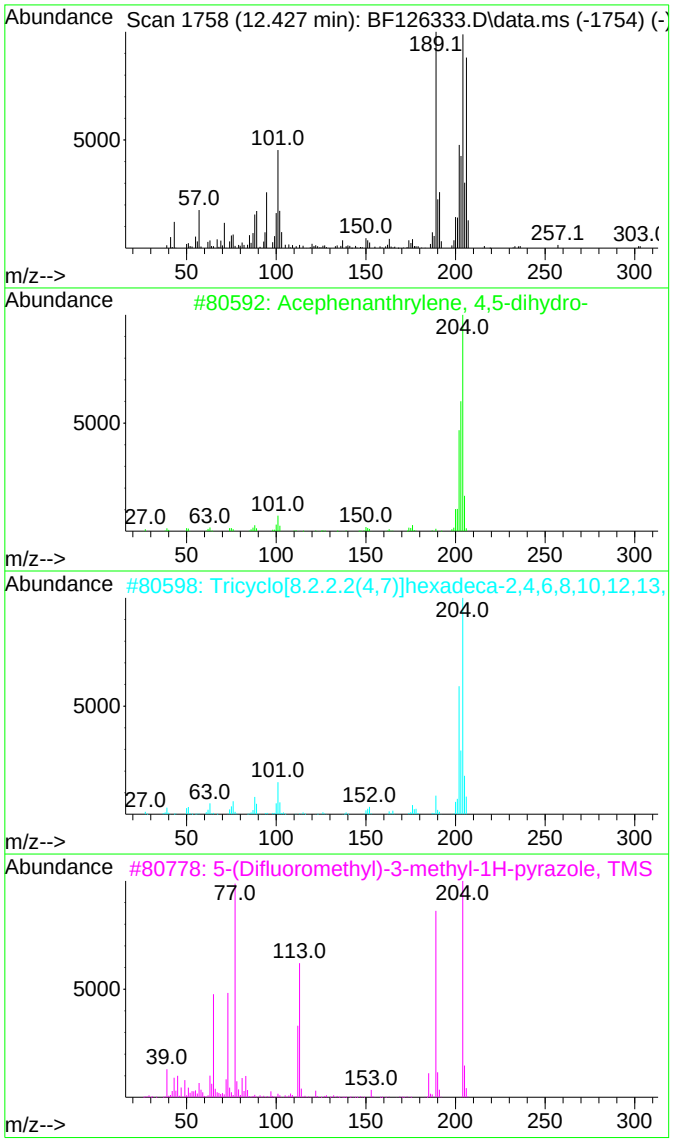
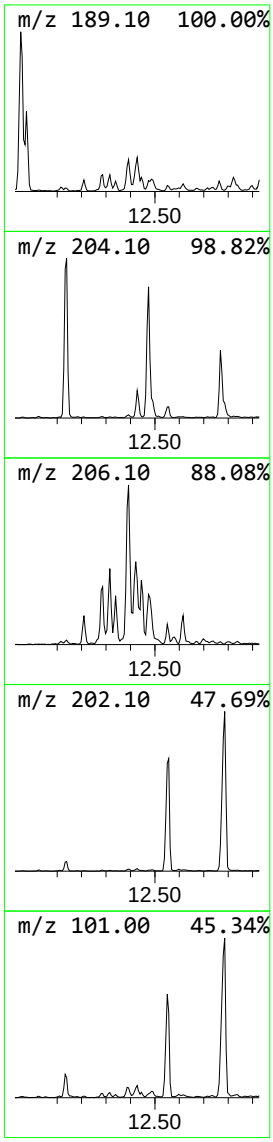
Peak Number 17 unknown12.427 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	7.28 ng	315349	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
3	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	35
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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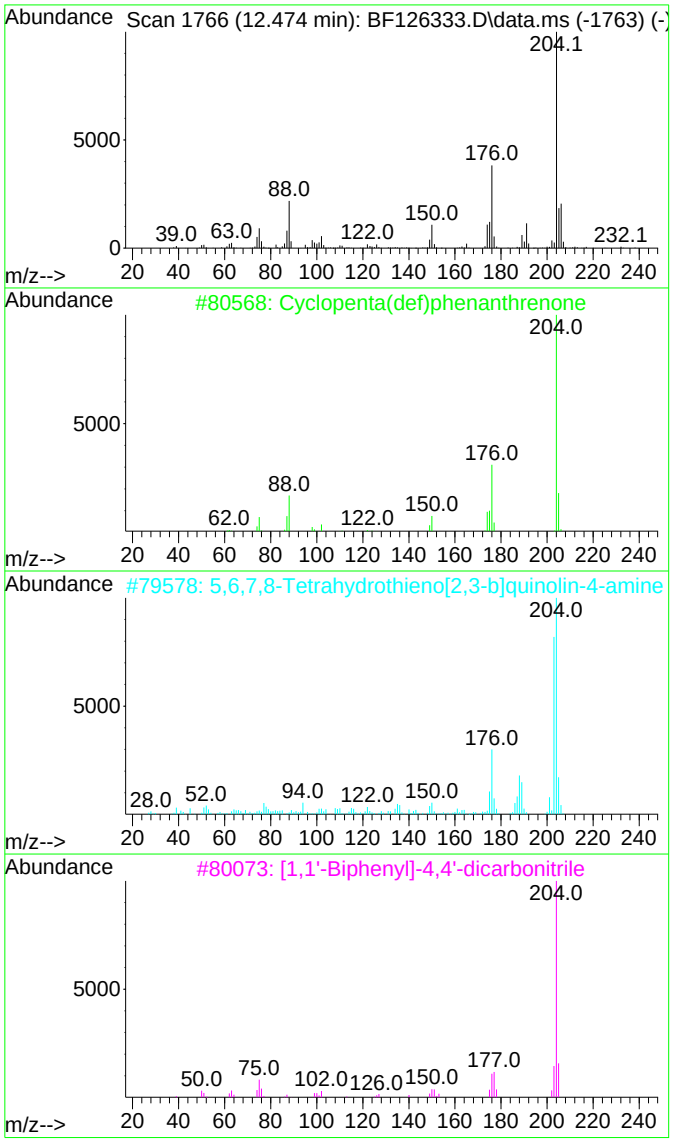
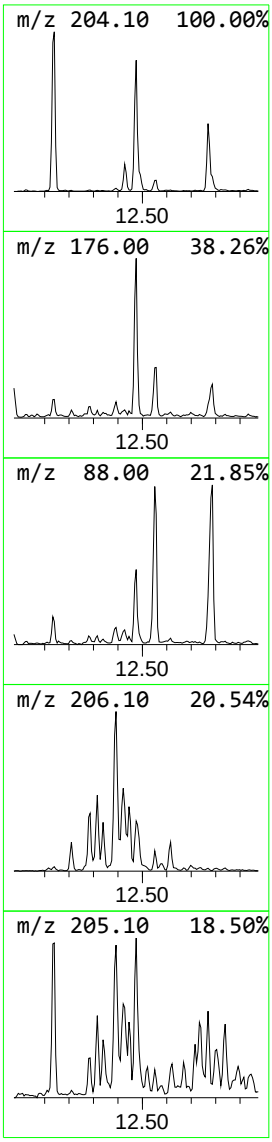
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	14.82 ng	642121	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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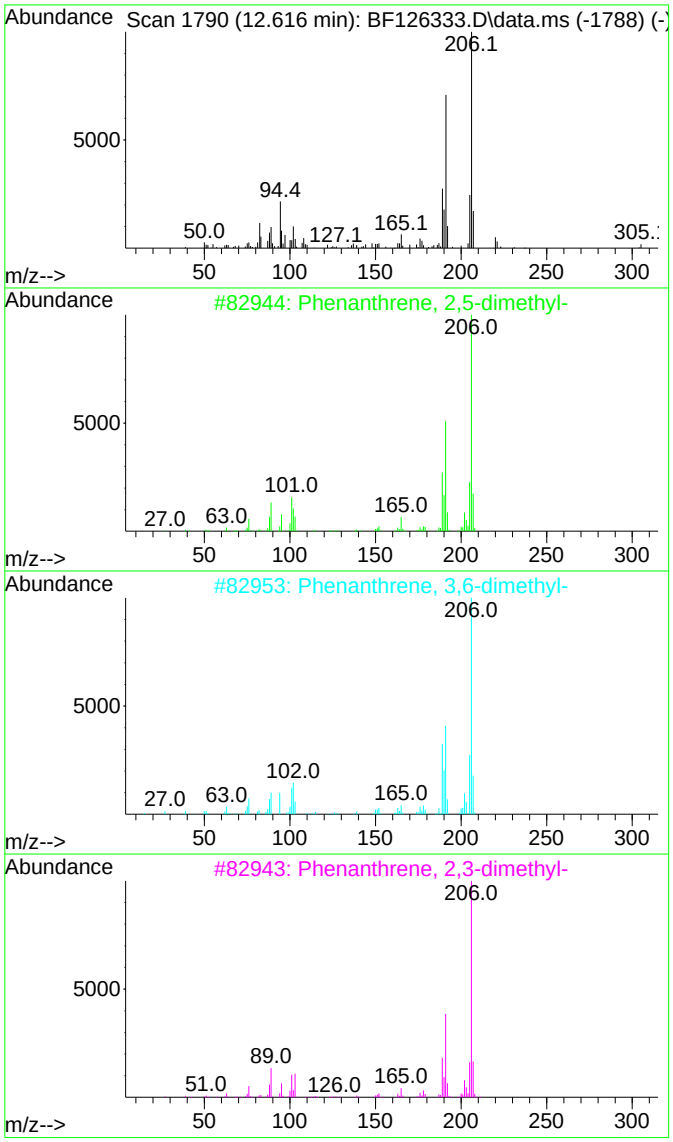
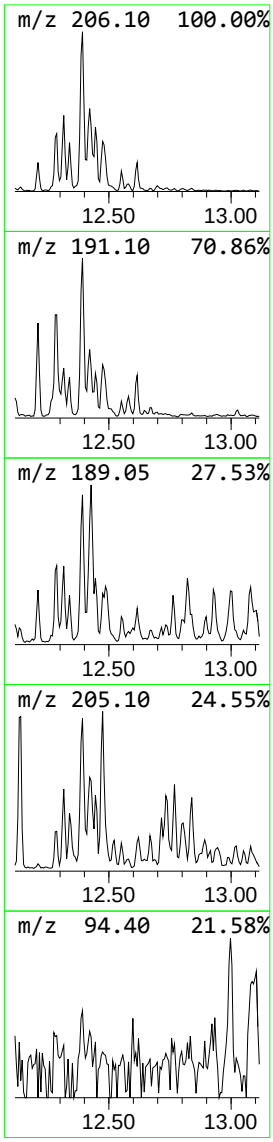
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	5.80 ng	251321	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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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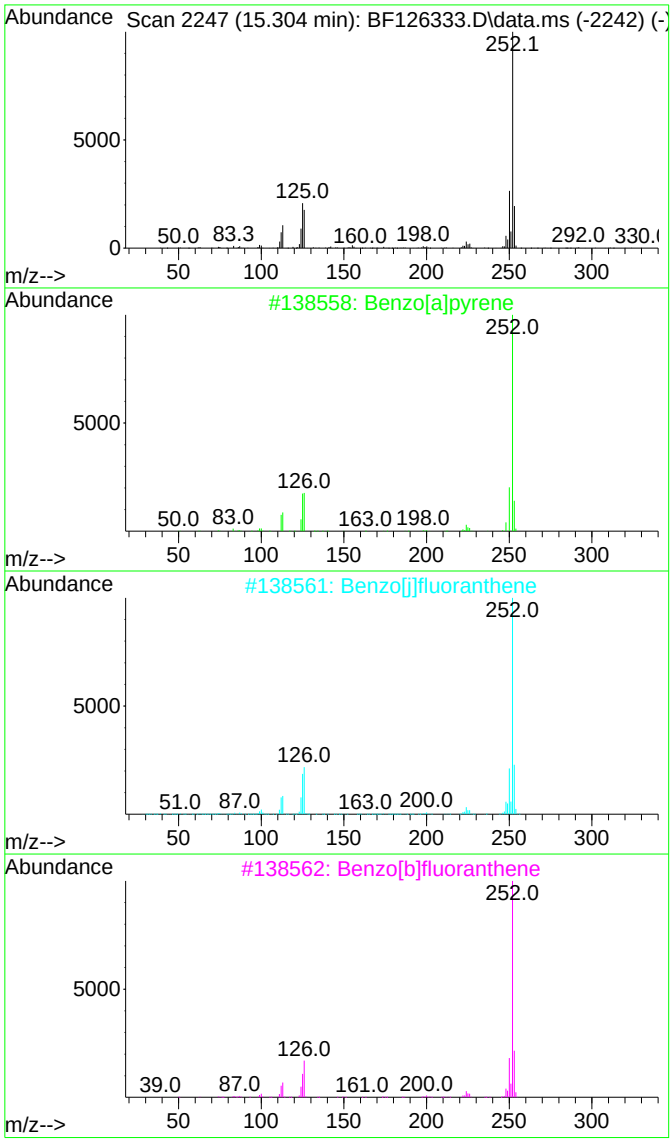
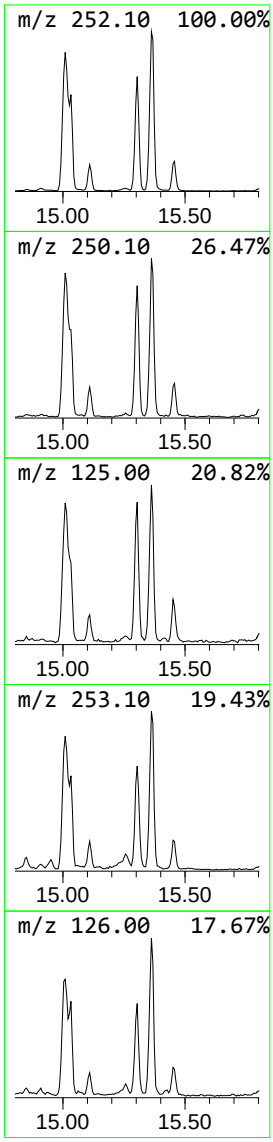
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	16.32 ng	742905	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126333.D
Acq On : 22 Dec 2021 17:18
Operator : JU/CG
Sample : M5198-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-91SB-22-C2

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	6.5	ng	395840	3	9.851	1226540	20.0
Naphthalene, 1,...	9.510	8.6	ng	528636	3	9.851	1226540	20.0
Naphthalene, 2,...	9.628	5.6	ng	343100	3	9.851	1226540	20.0
9H-Fluorene, 2-...	10.945	6.1	ng	263497	4	11.339	866430	20.0
9H-Fluoren-9-one	11.139	10.4	ng	448613	4	11.339	866430	20.0
Dibenzothiophene	11.233	13.1	ng	568120	4	11.339	866430	20.0
Anthracene, 9-e...	11.633	5.6	ng	243367	4	11.339	866430	20.0
Dibenzothiophen...	11.669	8.5	ng	367514	4	11.339	866430	20.0
Anthracene, 2-m...	11.839	25.4	ng	1102300	4	11.339	866430	20.0
Phenanthrene, 2...	11.869	26.2	ng	1134790	4	11.339	866430	20.0
Anthracene, 1-m...	11.916	5.8	ng	251292	4	11.339	866430	20.0
unknown11.951	11.951	34.2	ng	1481270	4	11.339	866430	20.0
1H-Cyclopropa[1...	11.974	20.6	ng	891071	4	11.339	866430	20.0
Tricyclo[8.2.2....	12.133	13.4	ng	581433	4	11.339	866430	20.0
9,10-Anthracene...	12.157	16.3	ng	704153	4	11.339	866430	20.0
Phenanthrene, 2...	12.392	12.8	ng	554782	4	11.339	866430	20.0
unknown12.427	12.427	7.3	ng	315349	4	11.339	866430	20.0
Cyclopenta(def)...	12.474	14.8	ng	642121	4	11.339	866430	20.0
Phenanthrene, 3...	12.616	5.8	ng	251321	4	11.339	866430	20.0
Benzo[j]fluoran...	15.304	16.3	ng	742905	6	15.427	910651	20.0