LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133219.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	548	552	555	rBV	2355516	2146152	39.57%	3.307%
2	6.363	723	727	730	rBV	2626714	2228325	41.08%	3.434%
3	6.728	785	789	792	rBV	1772436	1325883	24.44%	2.043%
4	7.286	875	884	887	rBV	1735719	1547526	28.53%	2.385%
5	7.751	957	963	965	rBV3	74205	101079	1.86%	0.156%
6	8.010	1003	1007	1009	rBV	2282007	1893376	34.91%	2.918%
7	8.033	1009	1011	1014	rVB	468301	331548	6.11%	0.511%
8	8.439	1077	1080	1085	rBV2	77605	100832	1.86%	0.155%
9	8.610	1106	1109	1112	rBV	244193	195424	3.60%	0.301%
10	8.722	1123	1128	1132	rVB	766466	637032	11.74%	0.982%
11	8.822	1140	1145	1149	rBV	819355	641917	11.83%	0.989%
12	9.086	1186	1190	1193	rBV	3581755	2787900	51.40%	4.296%
13	9.175	1201	1205	1210	rBV2	340916	353273	6.51%	0.544%
14	9.280	1221	1223	1229	rVB	172126	198286	3.66%	0.306%
15	9.345	1231	1234	1239	rVV	422288	565094	10.42%	0.871%
16	9.422	1242	1247	1250	rVV	689929	748493	13.80%	1.153%
17	9.451	1250	1252	1254	rVV	555853	404252	7.45%	0.623%
18	9.492	1254	1259	1261	rVV3	144999	224981	4.15%	0.347%
19	9.539	1265	1267	1272	rVB	374709	404564	7.46%	0.623%
20	9.622	1279	1281	1287	rVB	483967	364509	6.72%	0.562%
21	9.704	1292	1295	1299	rVB	378166	276857	5.10%	0.427%
22	9.763	1299	1305	1308	rBV	2406352	2022696	37.29%	3.117%
23	9.798	1308	1311	1314	rVV	447189	450321	8.30%	0.694%
24	9.869	1320	1323	1327	rVV2	182046	235458	4.34%	0.363%
25	9.916	1327	1331	1334	rVV3	87288	136095	2.51%	0.210%
26	9.969	1336	1340	1343	rVV	389888	416841	7.68%	0.642%
27	10.004	1343	1346	1349	rVV	316588	312033	5.75%	0.481%
28	10.080	1354	1359	1362	rVV2	287803	311055	5.73%	0.479%
29	10.110	1362	1364	1366	rVV	246534	182907	3.37%	0.282%
30	10.169	1370	1374	1376	rVV2	180231	260478	4.80%	0.401%
31	10.204	1376	1380	1385	rVV3	366803	446960	8.24%	0.689%
32	10.263	1385	1390	1394	rVV4	141016	251475	4.64%	0.388%
33	10.310	1394	1398	1404	rVV2	712118	757619	13.97%	1.168%
34	10.374	1407	1409	1411	rVV2	246122	221457	4.08%	0.341%
35	10.392	1411	1412	1415	rVV3	183489	184866	3.41%	0.285%
36	10.422	1415	1417	1420	rVV2	287160	300155	5.53%	0.463%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
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Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.474	1422	1426	1430	rVV2	346234	442690	8.16%	0.682%
38	10.551	1433	1439	1443	rVV2	943047	1019887	18.80%	1.572%
39	10.586	1443	1445	1451	rVB3	79352	117703	2.17%	0.181%
40	10.674	1457	1460	1466	rVB	478289	482322	8.89%	0.743%
41	10.857	1486	1491	1493	rBV	323780	369856	6.82%	0.570%
42	10.886	1493	1496	1499	rVV2	266753	290119	5.35%	0.447%
43	10.939	1502	1505	1508	rVV2	226350	199816	3.68%	0.308%
44	11.004	1512	1516	1519	rVV4	122152	196527	3.62%	0.303%
45	11.098	1529	1532	1534	rBV2	100930	101593	1.87%	0.157%
46	11.121	1534	1536	1538	rVV	273079	263011	4.85%	0.405%
47	11.139	1538	1539	1545	rVB2	299892	325806	6.01%	0.502%
48	11.245	1553	1557	1559	rBV	1826390	1517923	27.98%	2.339%
49	11.269	1559	1561	1565	rVV	2578277	2034354	37.51%	3.135%
50	11.321	1565	1570	1573	rVB	607445	515978	9.51%	0.795%
51	11.357	1573	1576	1579	rBV2	154254	188180	3.47%	0.290%
52	11.551	1605	1609	1611	rBV2	220164	221791	4.09%	0.342%
53	11.574	1611	1613	1617	rVB	247959	192759	3.55%	0.297%
54	11.651	1622	1626	1631	rVB2	1797942	1520013	28.02%	2.342%
55	11.745	1639	1642	1645	rBV	754205	729974	13.46%	1.125%
56	11.774	1645	1647	1652	rVV	1080590	969659	17.88%	1.494%
57	11.821	1652	1655	1658	rVV	341536	307694	5.67%	0.474%
58	11.857	1658	1661	1663	rVV	1068511	1038530	19.15%	1.600%
59	11.880	1663	1665	1671	rVB	670358	558697	10.30%	0.861%
60	11.957	1675	1678	1680	rBV2	172411	141618	2.61%	0.218%
61	12.045	1687	1693	1695	rBV2	267880	324306	5.98%	0.500%
62	12.063	1695	1696	1703	rVB4	137464	165696	3.05%	0.255%
63	12.192	1716	1718	1721	rVB	185523	136370	2.51%	0.210%
64	12.221	1721	1723	1725	rBV	288547	220806	4.07%	0.340%
65	12.245	1725	1727	1730	rVB	219630	188375	3.47%	0.290%
66	12.298	1732	1736	1739	rBV	682280	708596	13.06%	1.092%
67	12.339	1739	1743	1745	rVV	4858033	5424141	100.00%	8.359%
68	12.357	1745	1746	1749	rVV2	3383302	2350226	43.33%	3.622%
69	12.380	1749	1750	1755	rVV2	369970	334156	6.16%	0.515%
70	12.457	1758	1763	1766	rVB2	1768742	1902669	35.08%	2.932%
71	12.568	1780	1782	1786	rVV4	235461	272797	5.03%	0.420%
72	12.610	1786	1789	1792	rVV3	96594	125500	2.31%	0.193%
73	12.686	1796	1802	1804	rBV	2093800	1995501	36.79%	3.075%
74	12.710	1804	1806	1809	rVV2	242630	241748	4.46%	0.373%
75	12.745	1809	1812	1816	rVB2	243340	273375	5.04%	0.421%
76	12.833	1823	1827	1834	rVB	2302089	2144947	39.54%	3.306%

LSC Area Percent Report

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Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.904	1835	1839	1842	rBV2	276466	359493	6.63%	0.554%
78	12.957	1846	1848	1851	rBV2	96709	101032	1.86%	0.156%
79	13.010	1855	1857	1861	rVB	458652	467472	8.62%	0.720%
80	13.080	1865	1869	1872	rVB2	442423	409139	7.54%	0.631%
81	13.115	1872	1875	1878	rBV	492611	444512	8.20%	0.685%
82	13.210	1887	1891	1893	rVV	361246	311988	5.75%	0.481%
83	13.239	1893	1896	1900	rVV	427406	355195	6.55%	0.547%
84	13.274	1900	1902	1906	rVB2	106973	109093	2.01%	0.168%
85	13.415	1923	1926	1928	rBV2	171759	169037	3.12%	0.261%
86	13.498	1937	1940	1941	rBV	123590	127357	2.35%	0.196%
87	13.627	1958	1962	1965	rBV3	214990	347649	6.41%	0.536%
88	13.880	2000	2005	2008	rBV2	1665252	2239604	41.29%	3.451%
89	13.904	2008	2009	2017	rVB	890090	711260	13.11%	1.096%
90	13.968	2017	2020	2021	rBV	120821	105309	1.94%	0.162%
91	14.233	2062	2065	2067	rBV	132489	133365	2.46%	0.206%
92	14.268	2067	2071	2074	rVV	422545	471481	8.69%	0.727%
93	14.298	2074	2076	2079	rVB	200247	185841	3.43%	0.286%
94	14.362	2084	2087	2089	rVB2	221833	186320	3.44%	0.287%
95	14.392	2089	2092	2094	rBV	191020	187868	3.46%	0.290%
96	14.898	2174	2178	2181	rBV	460085	671902	12.39%	1.035%
97	15.180	2223	2226	2232	rVB	350322	402045	7.41%	0.620%
98	15.239	2232	2236	2242	rBV	508607	613516	11.31%	0.945%
99	15.304	2242	2247	2250	rBV	825426	977111	18.01%	1.506%
100	16.674	2477	2480	2488	rVB2	145841	277874	5.12%	0.428%

Sum of corrected areas: 64888891

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
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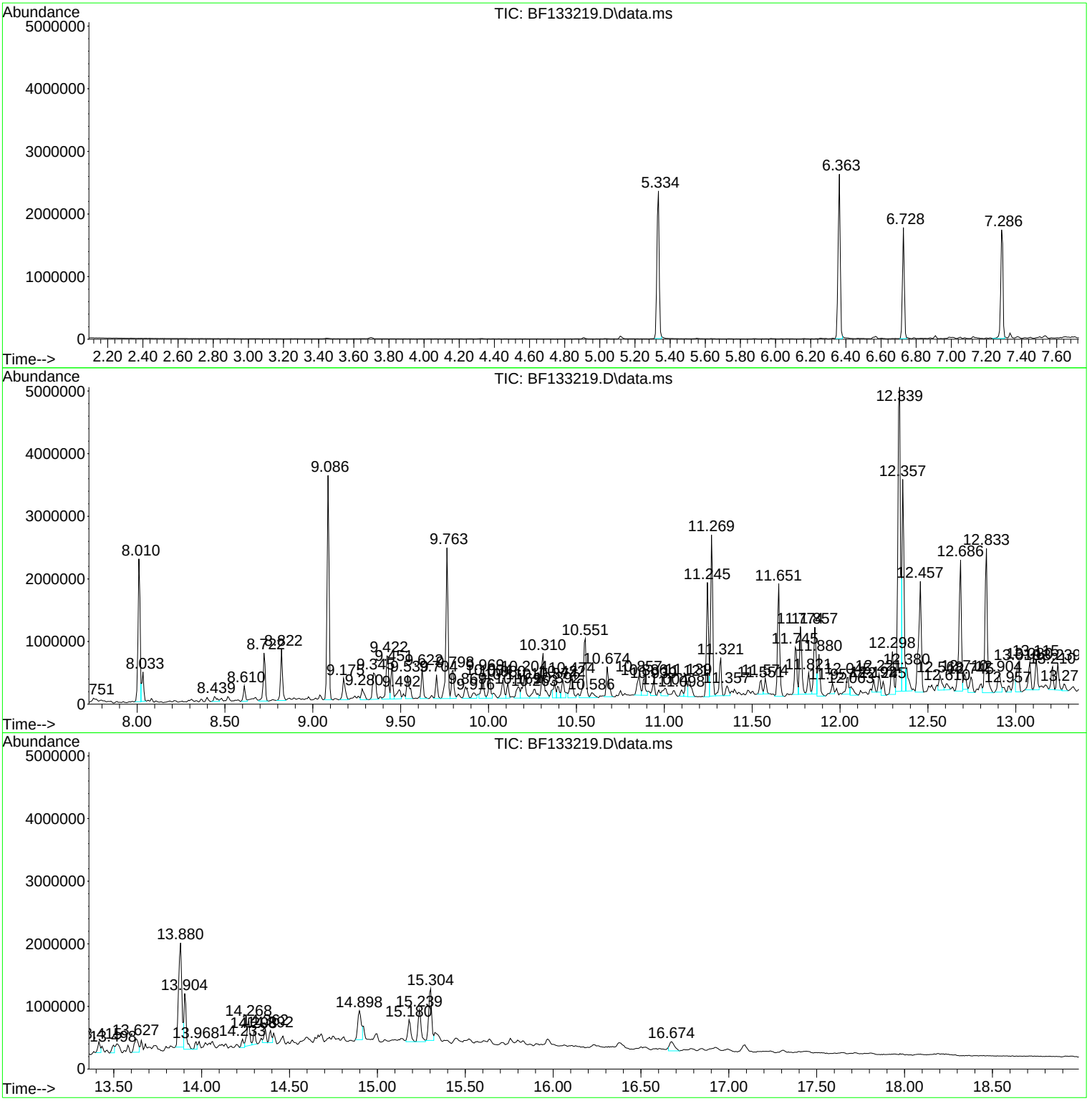
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

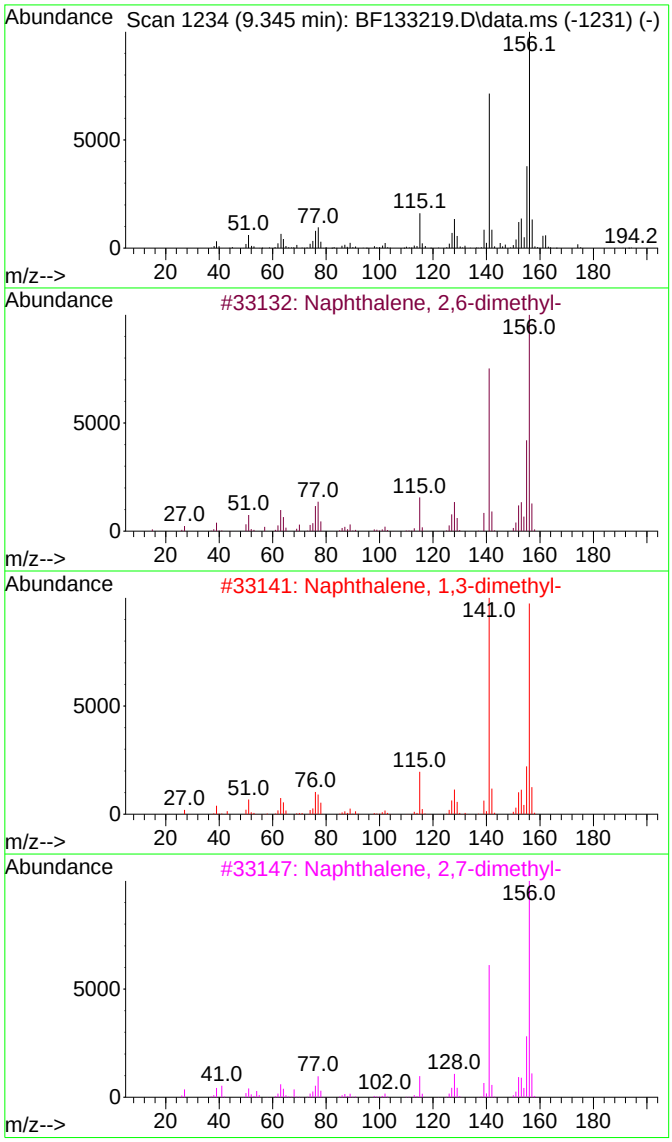
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

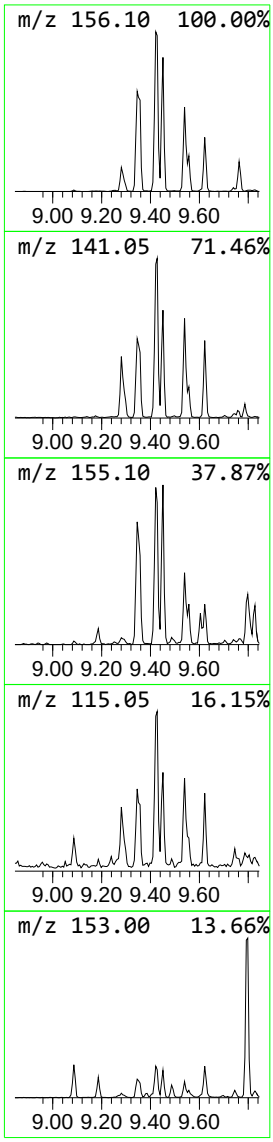
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.345	5.59 ng	565094	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

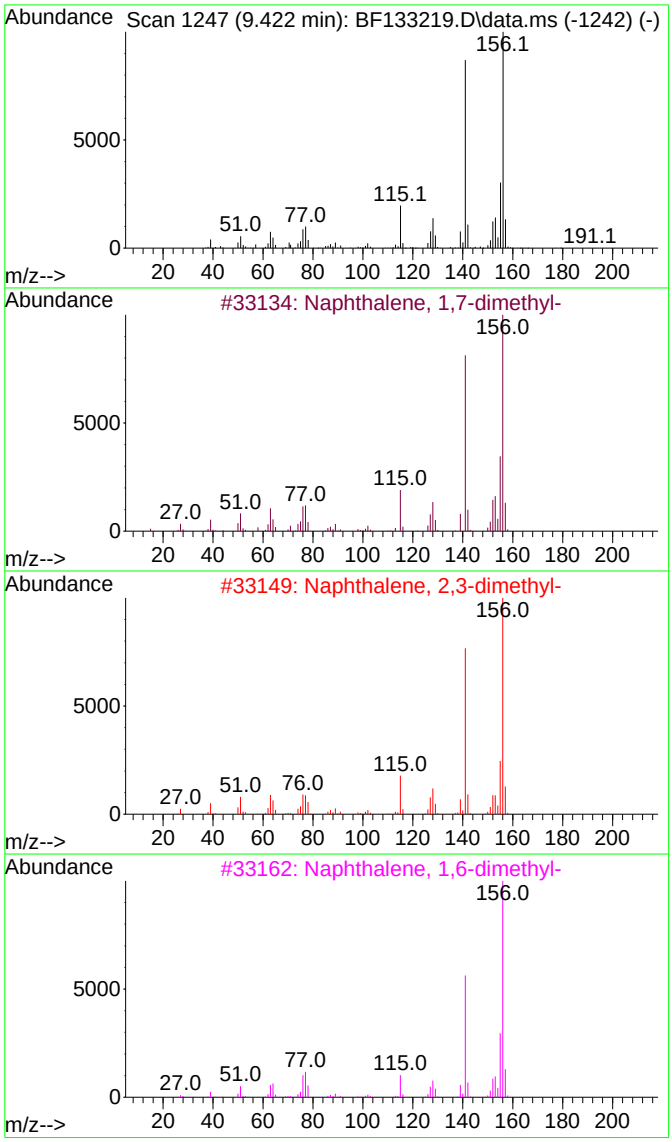
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

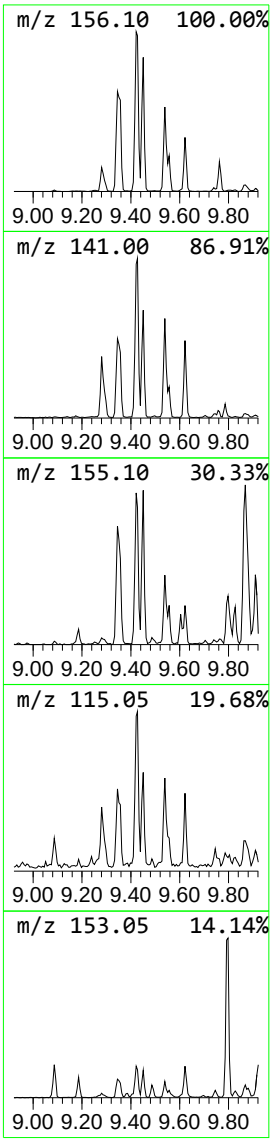
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.422	7.40 ng	748493	Acenaphthene-d10	9.763

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
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Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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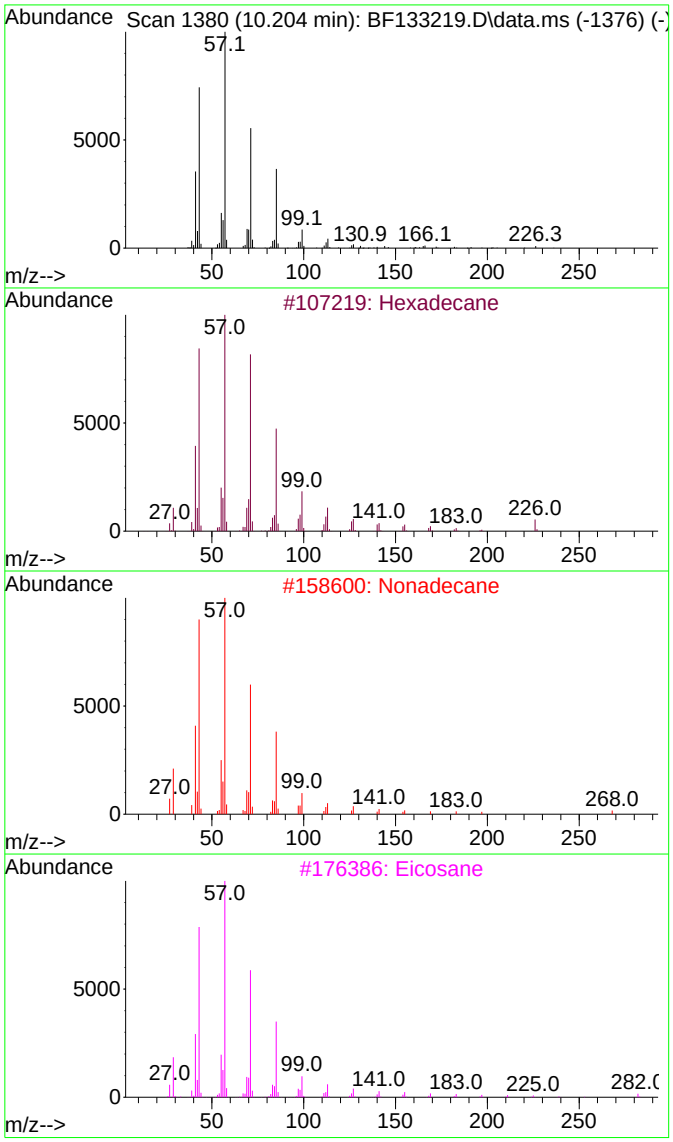
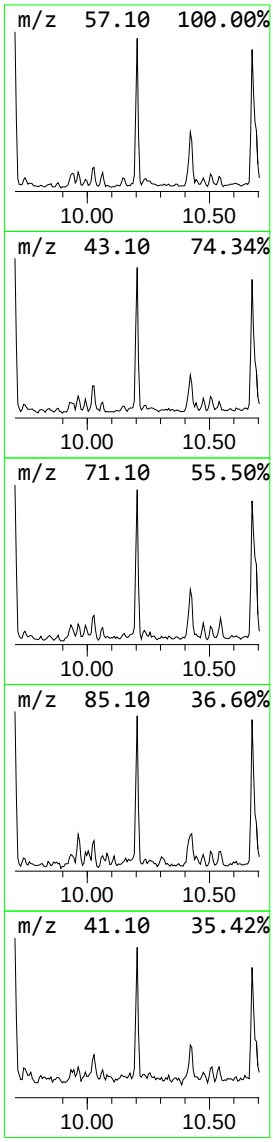
Peak Number 3 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.204	4.42 ng	446960	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	Eicosane	282	C20H42	000112-95-8	83
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	78





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Data File : BF133219.D
Acq On : 03 May 2023 21:23
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Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

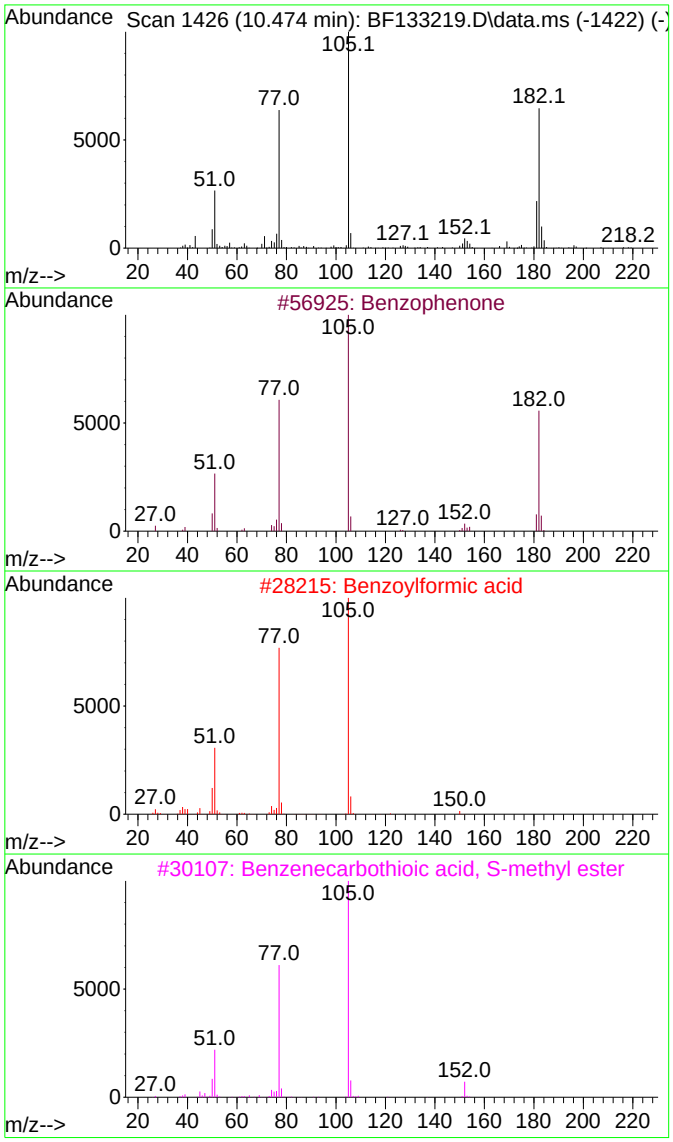
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

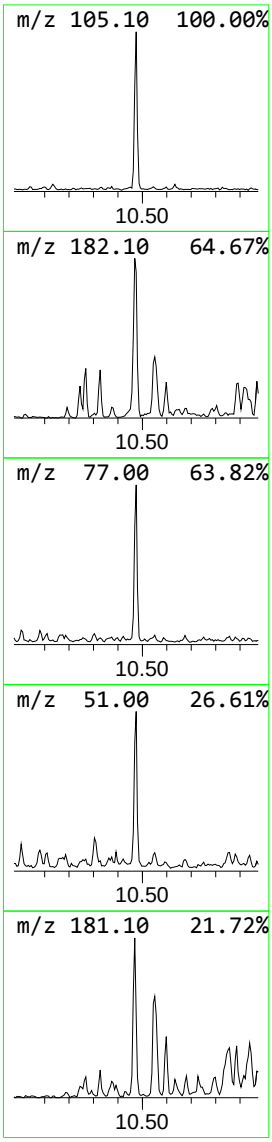
****

Peak Number 4 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.475	4.38 ng	442690	Acenaphthene-d10	9.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzoylformic acid	150	C8H6O3	000611-73-4	45
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
4	Azobenzene	182	C12H10N2	000103-33-3	43
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

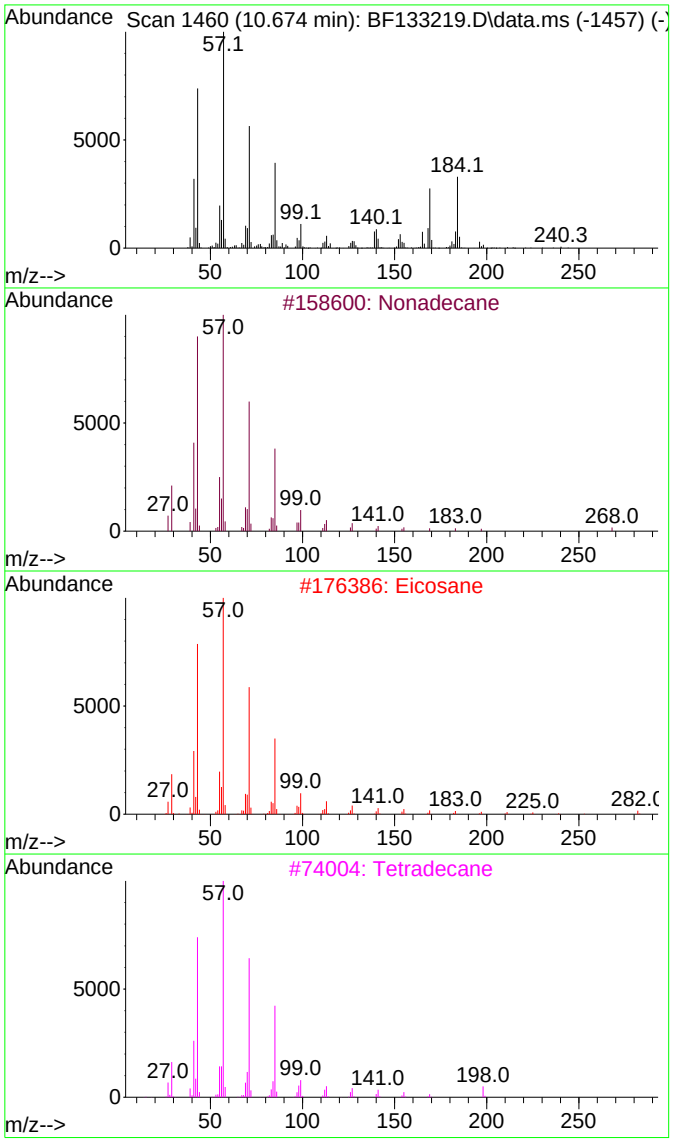
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

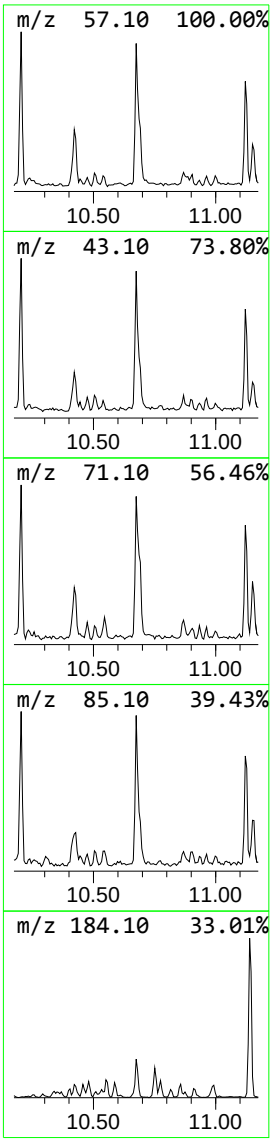
****

Peak Number 5 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	6.36 ng	482322	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	64
2	Eicosane	282	C20H42	000112-95-8	58
3	Tetradecane	198	C14H30	000629-59-4	58
4	Heptadecane	240	C17H36	000629-78-7	58
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	58





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Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-05-050123

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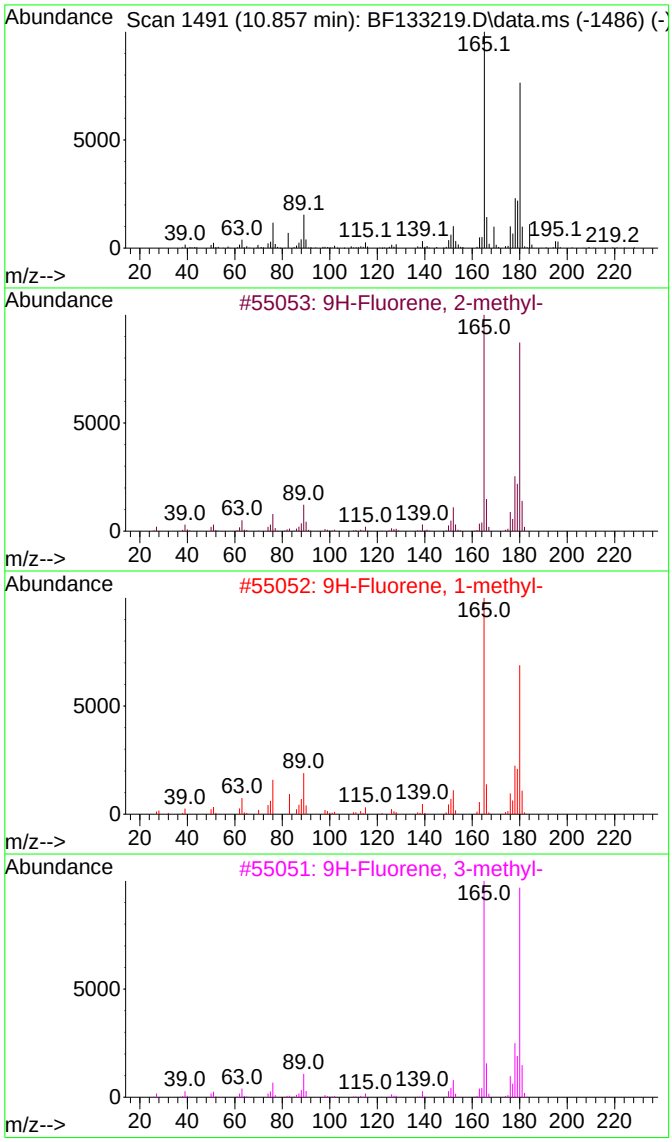
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

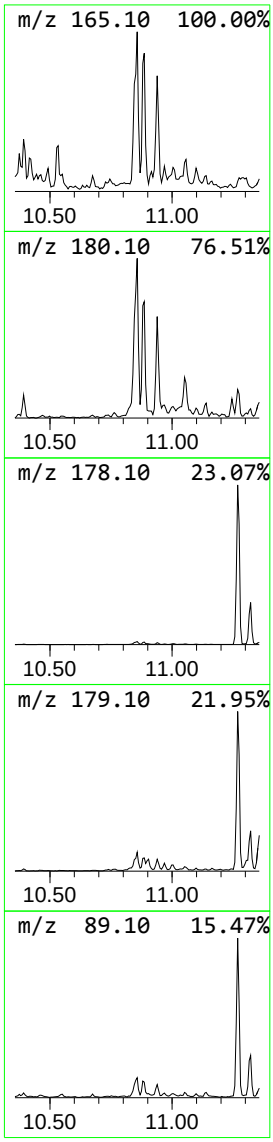
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.857	4.87 ng	369856	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Sample : 02584-01 2X
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Instrument :
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ClientSampleId :
TR-05-050123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

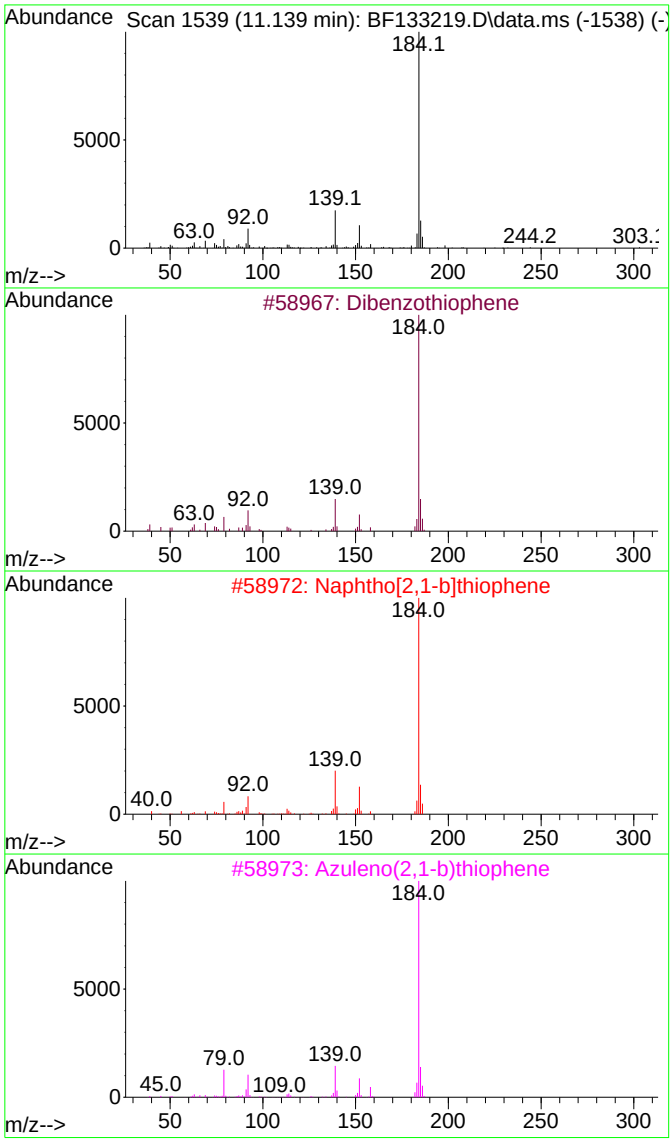
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

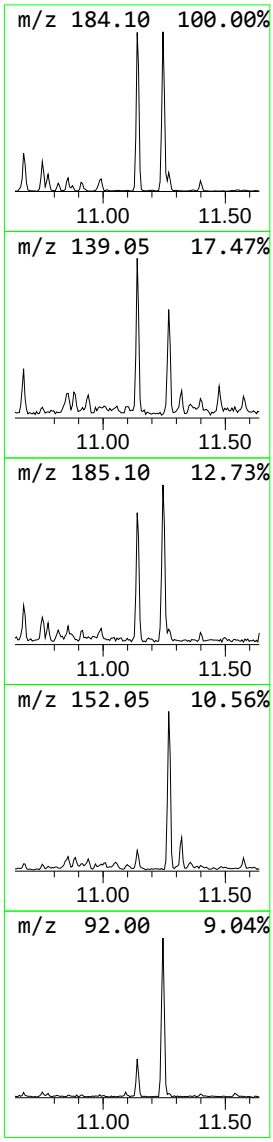
****

Peak Number 7 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	4.29 ng	325806	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

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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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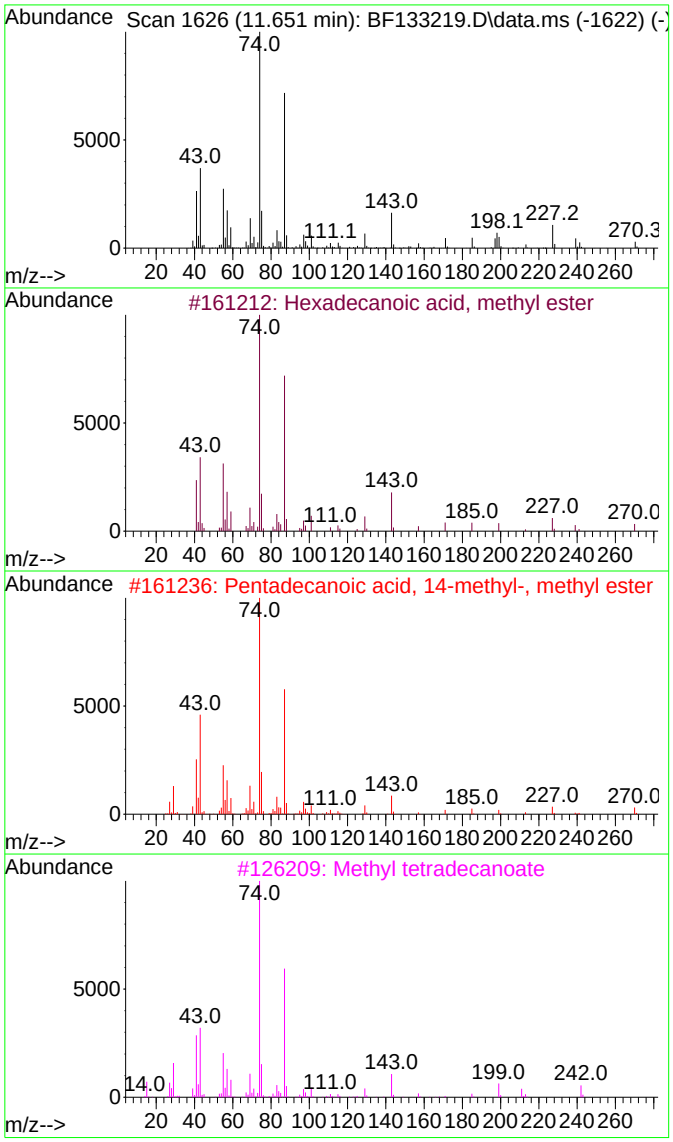
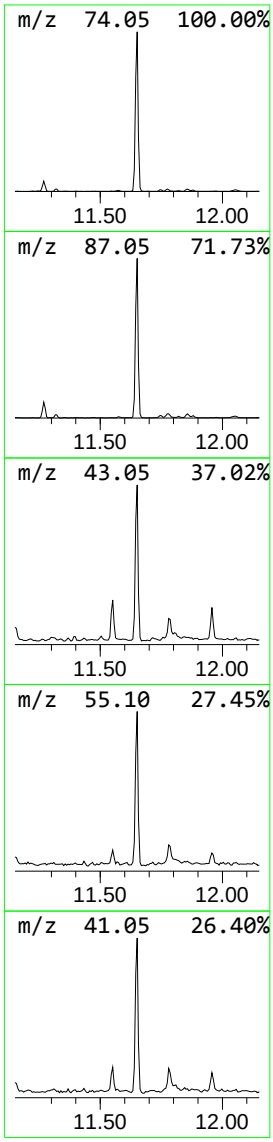
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	20.03 ng	1520010	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	80





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Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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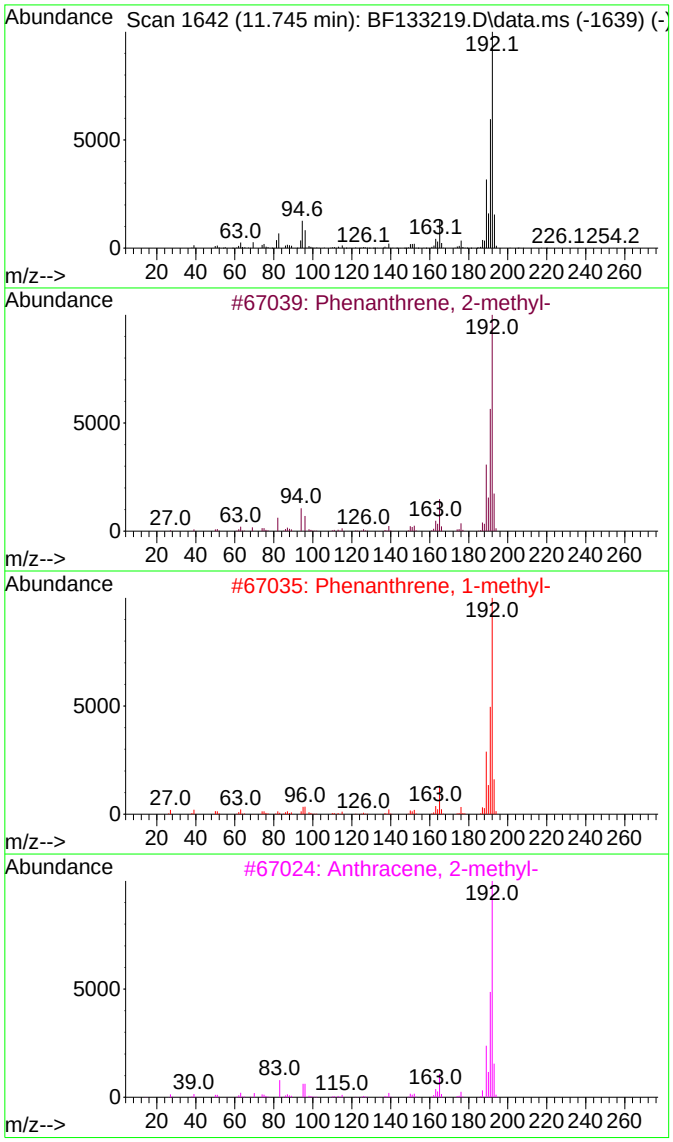
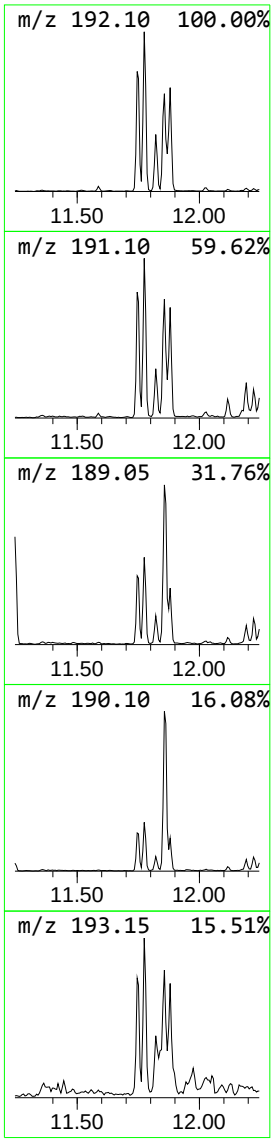
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	9.62 ng	729974	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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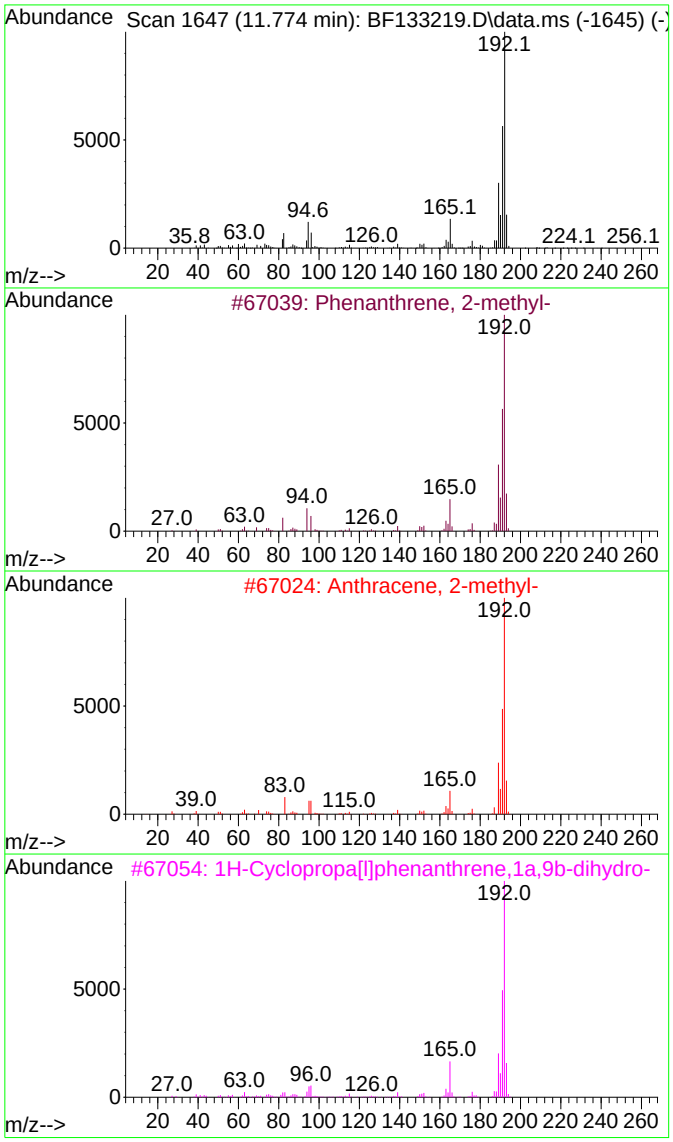
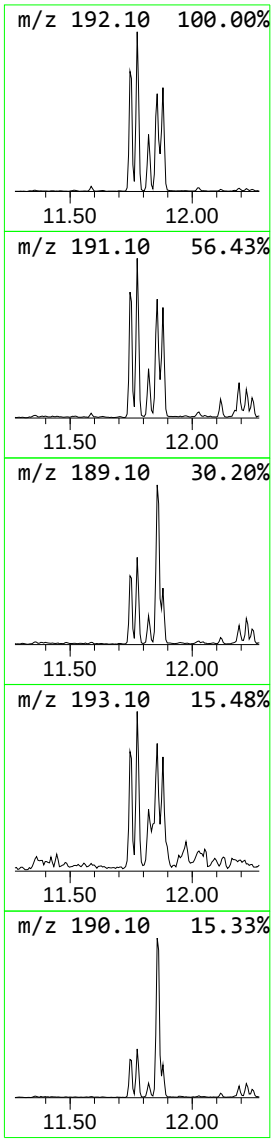
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	12.78 ng	969659	Phenanthrene-d10	11.245

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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

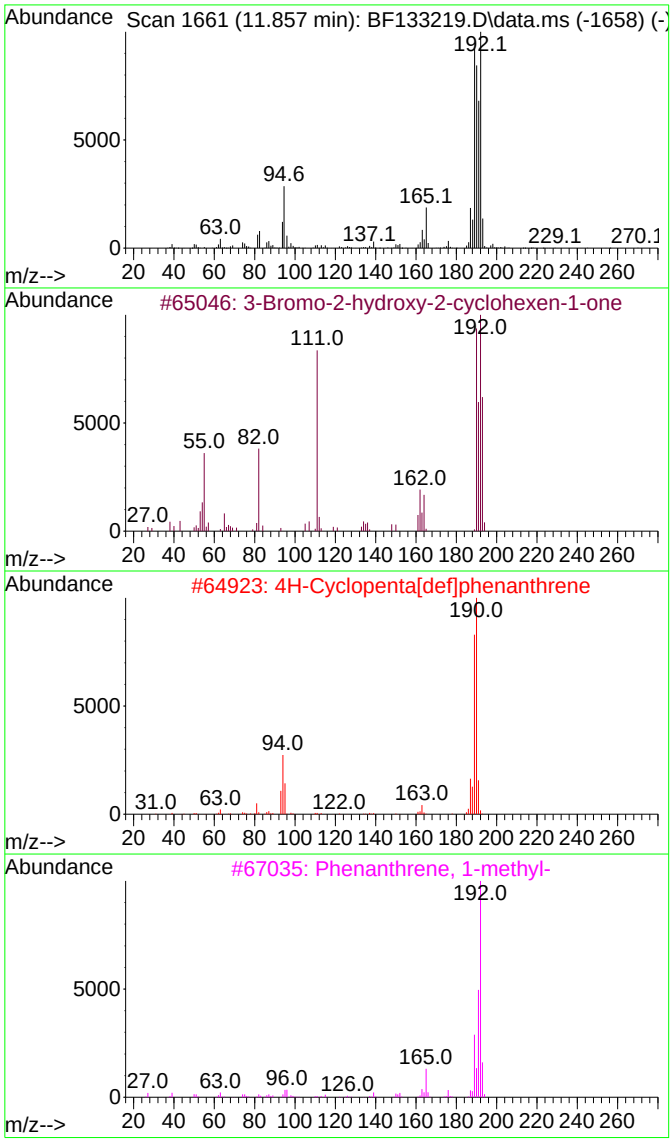
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

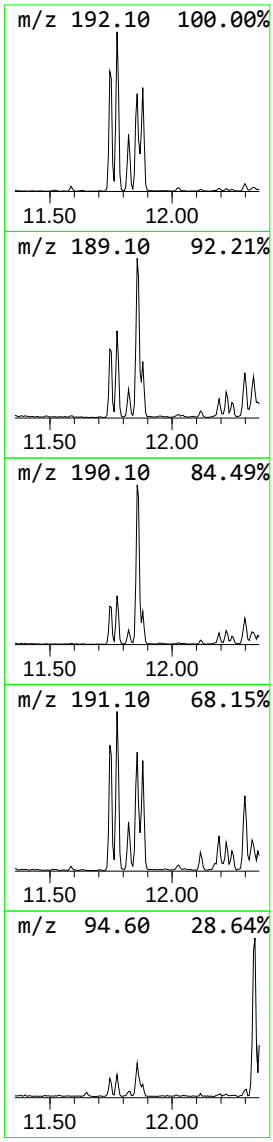
****

Peak Number 11 unknown11.857 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	13.68 ng	1038530	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Bromo-2-hydroxy-2-cyclohexen-1...	190	C6H7BrO2	010324-65-9	46
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

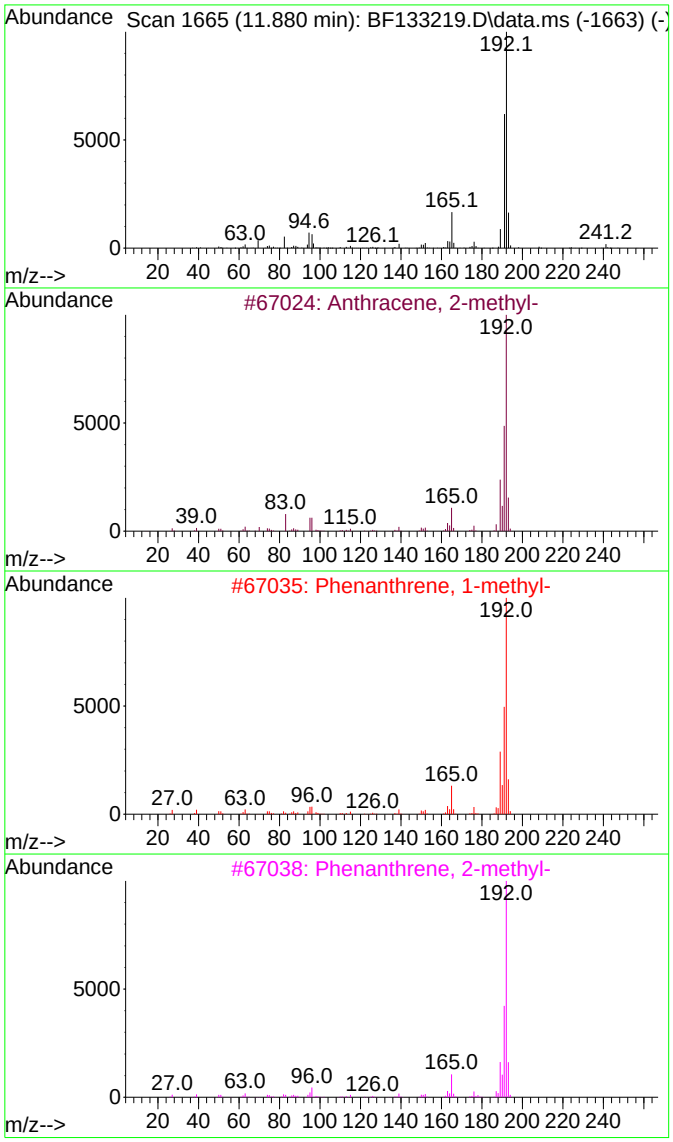
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

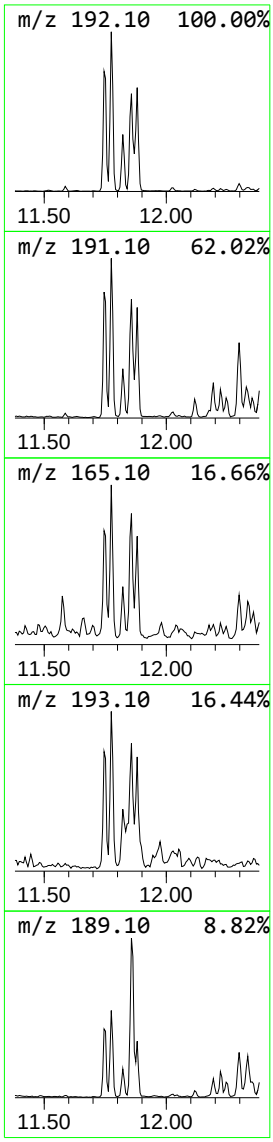
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	7.36 ng	558697	Phenanthrene-d10	11.245

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





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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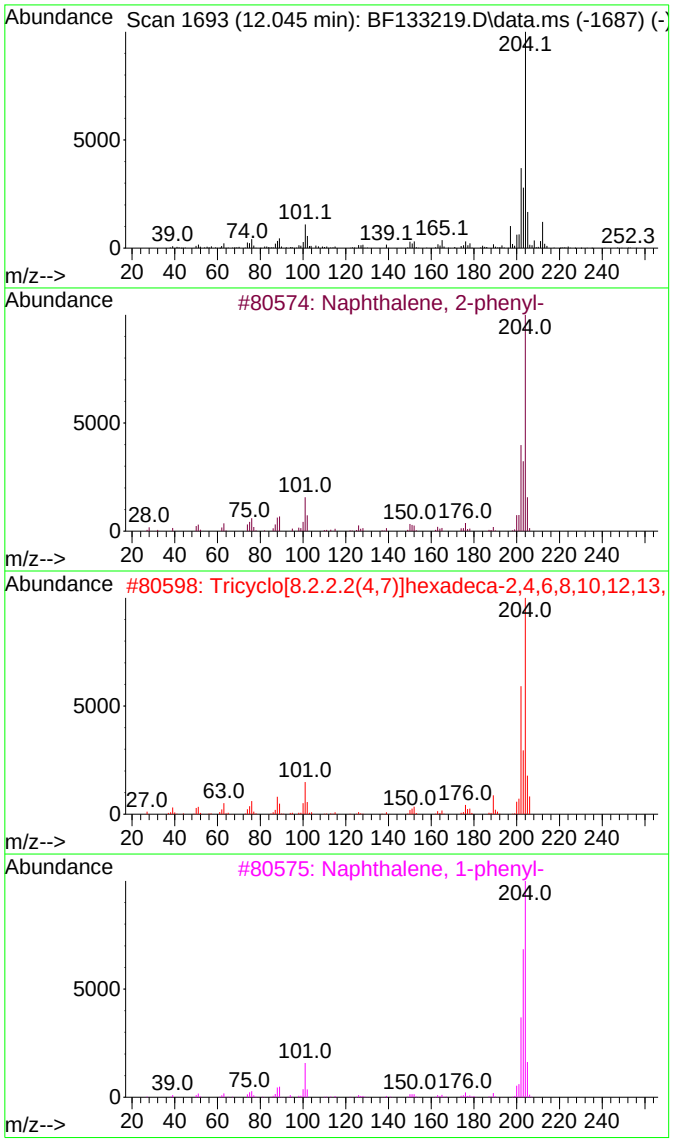
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

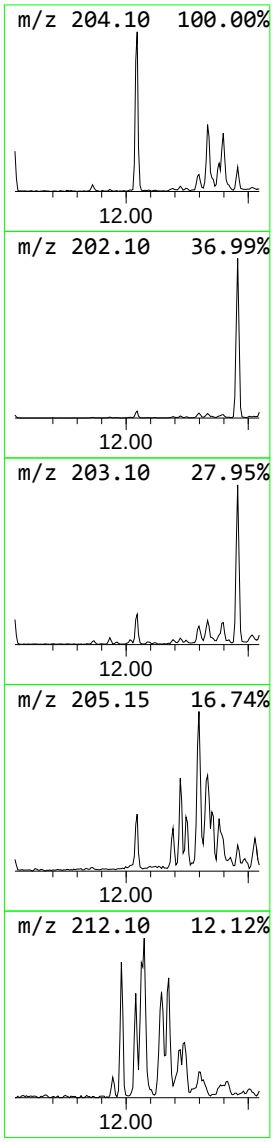
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	4.27 ng	324306	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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ALS Vial : 21 Sample Multiplier: 1

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

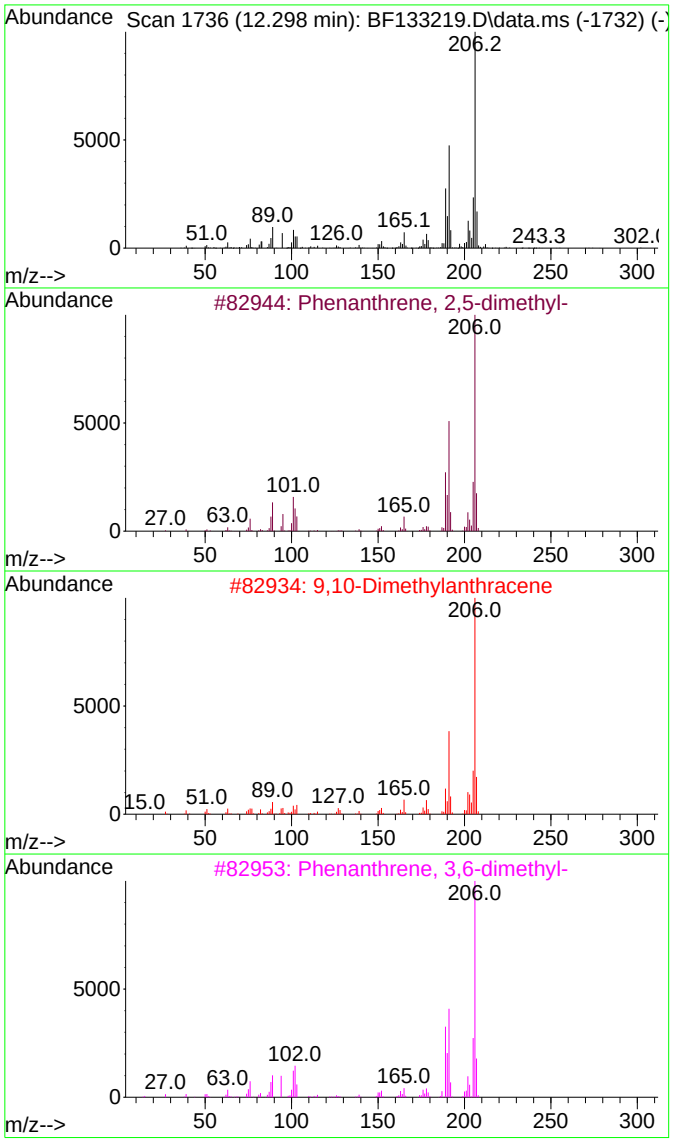
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

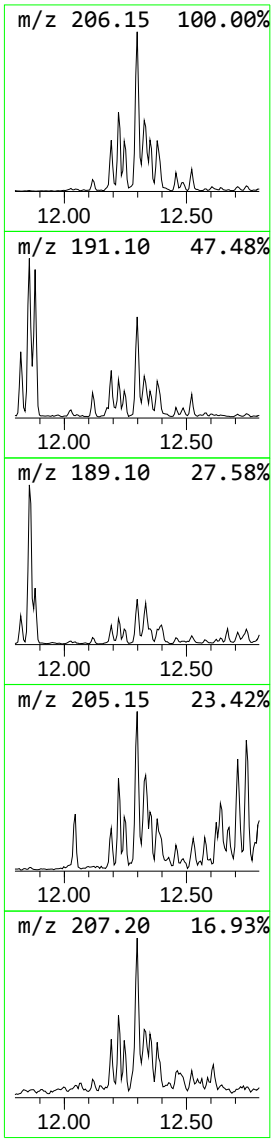
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	9.34 ng	708596	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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ALS Vial : 21 Sample Multiplier: 1

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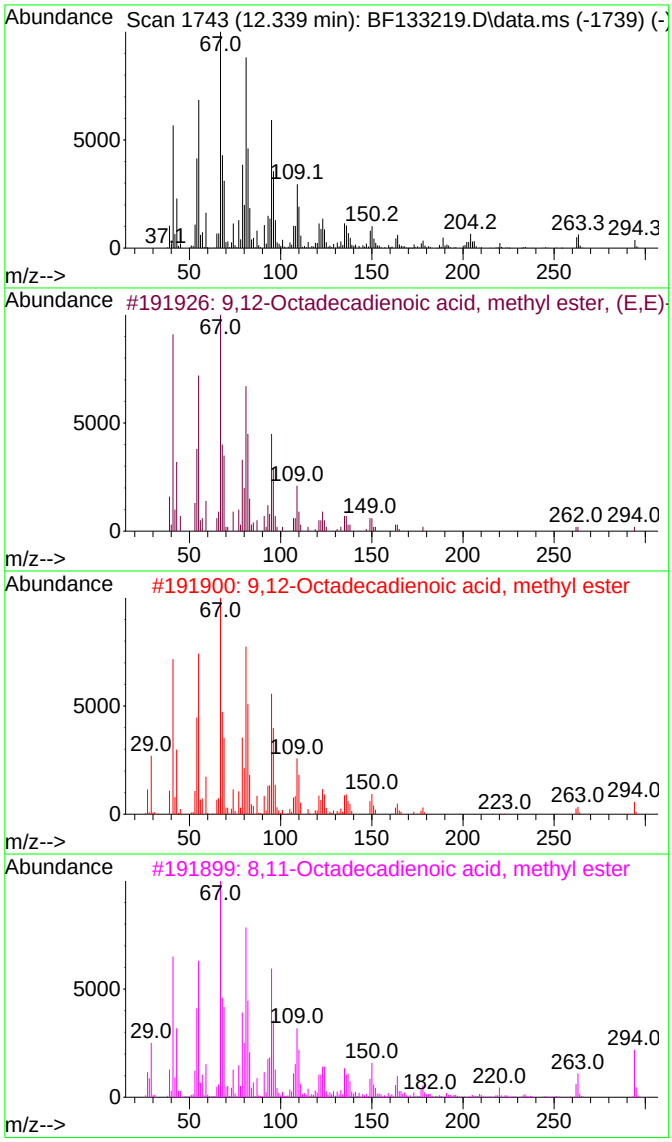
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

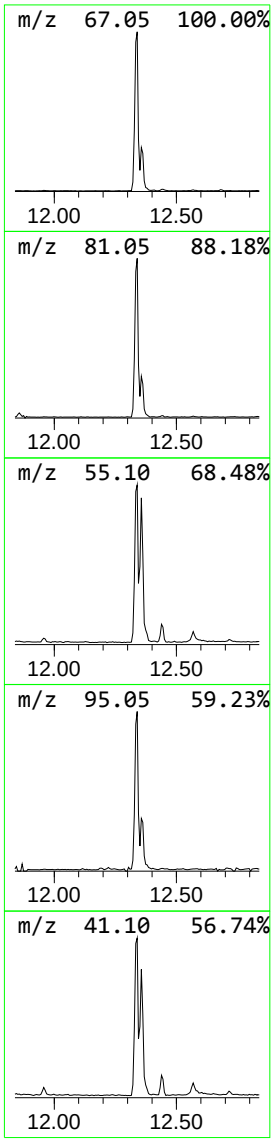
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	71.47 ng	5424140	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99





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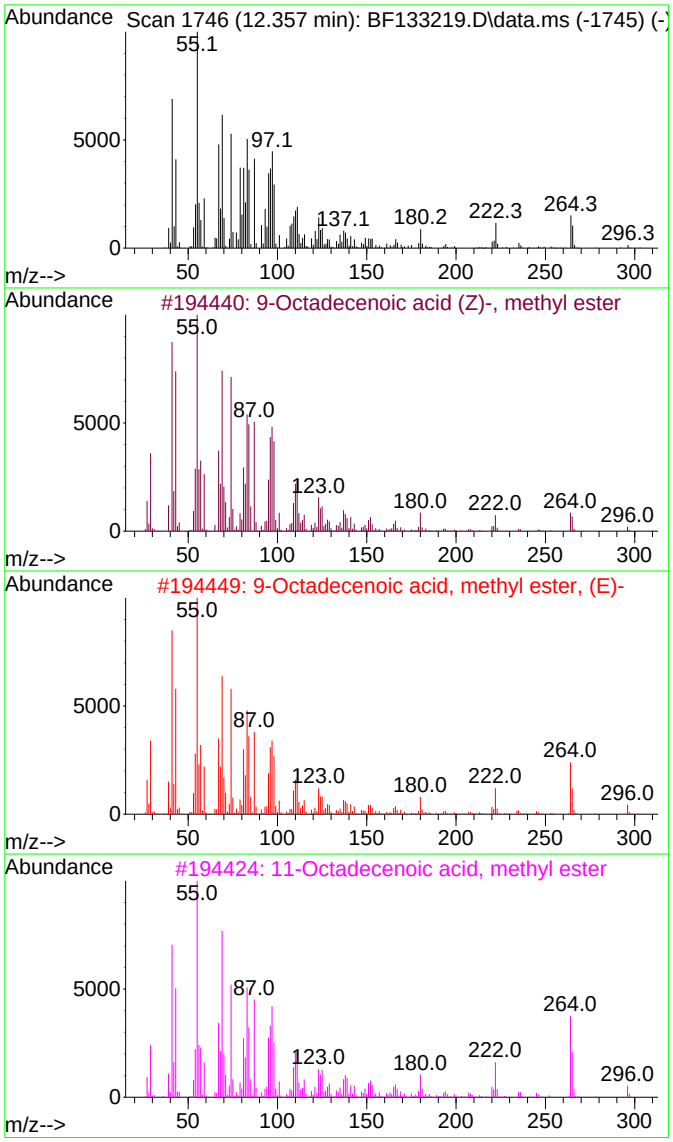
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

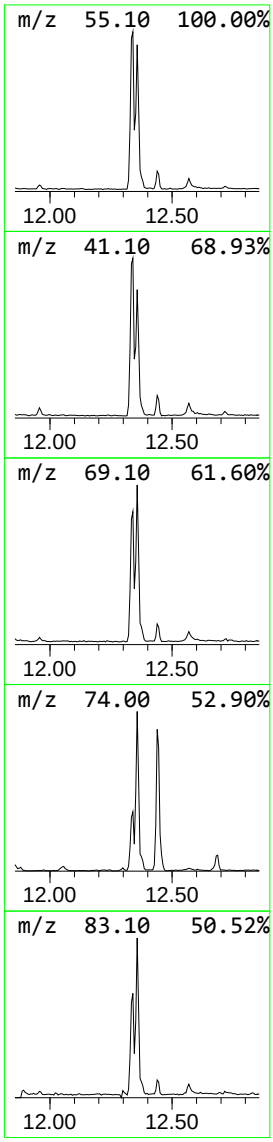
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	30.97 ng	2350230	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

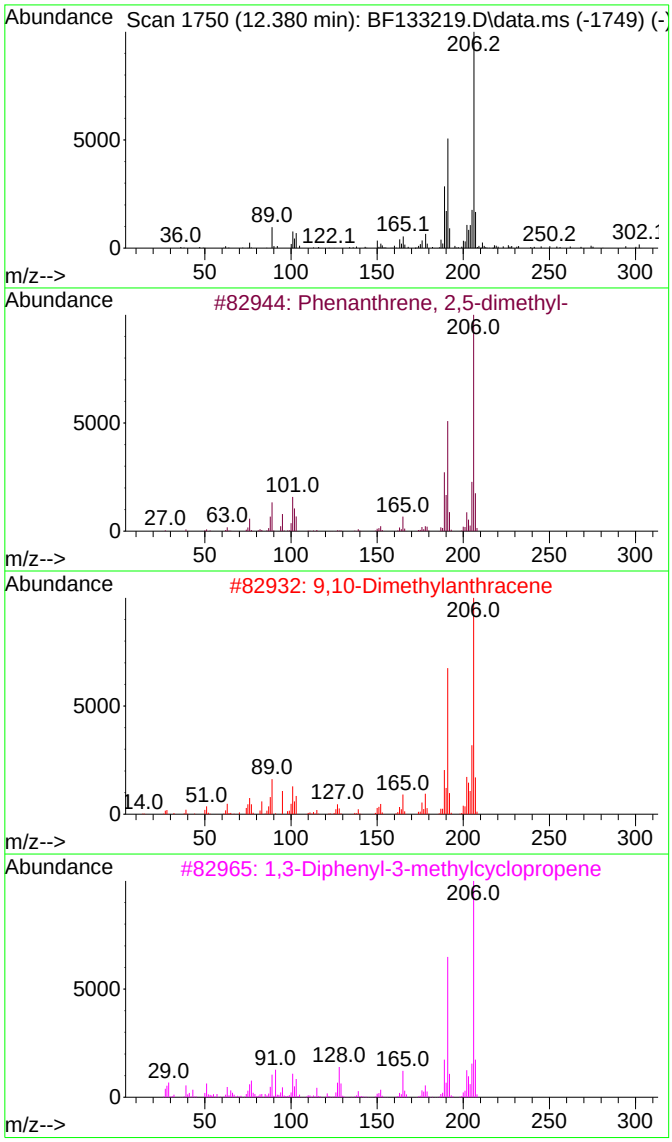
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

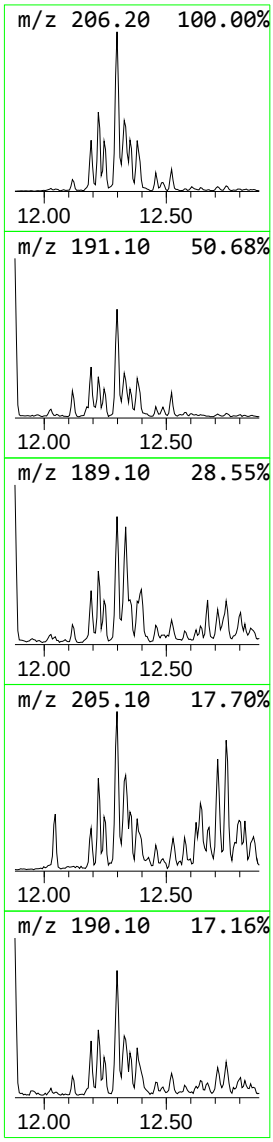
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	4.40 ng	334156	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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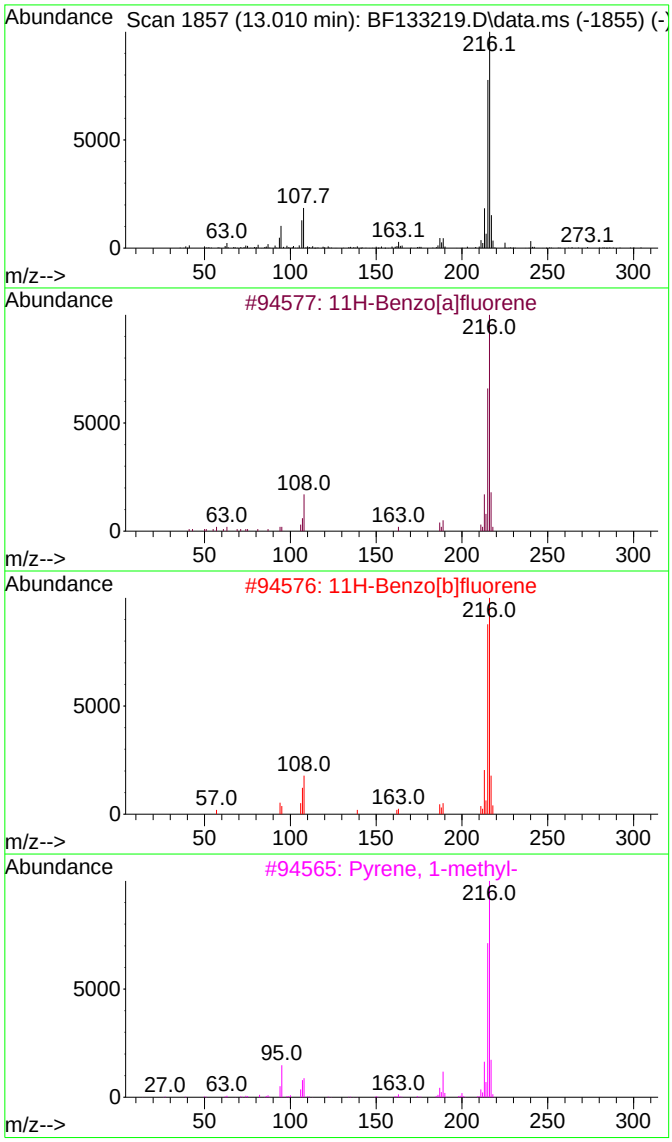
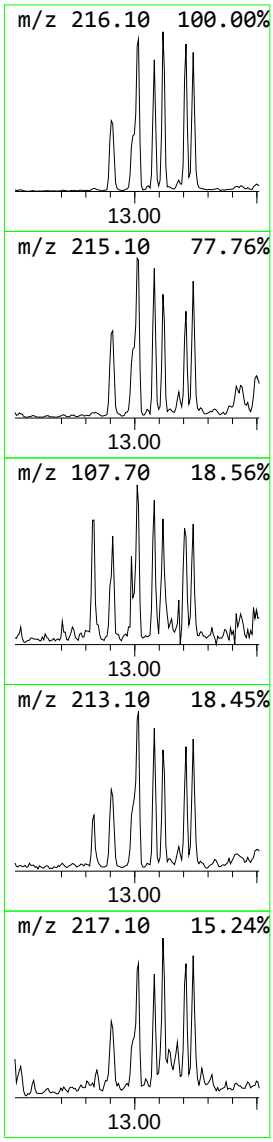
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	4.17 ng	467472	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Data File : BF133219.D
Acq On : 03 May 2023 21:23
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Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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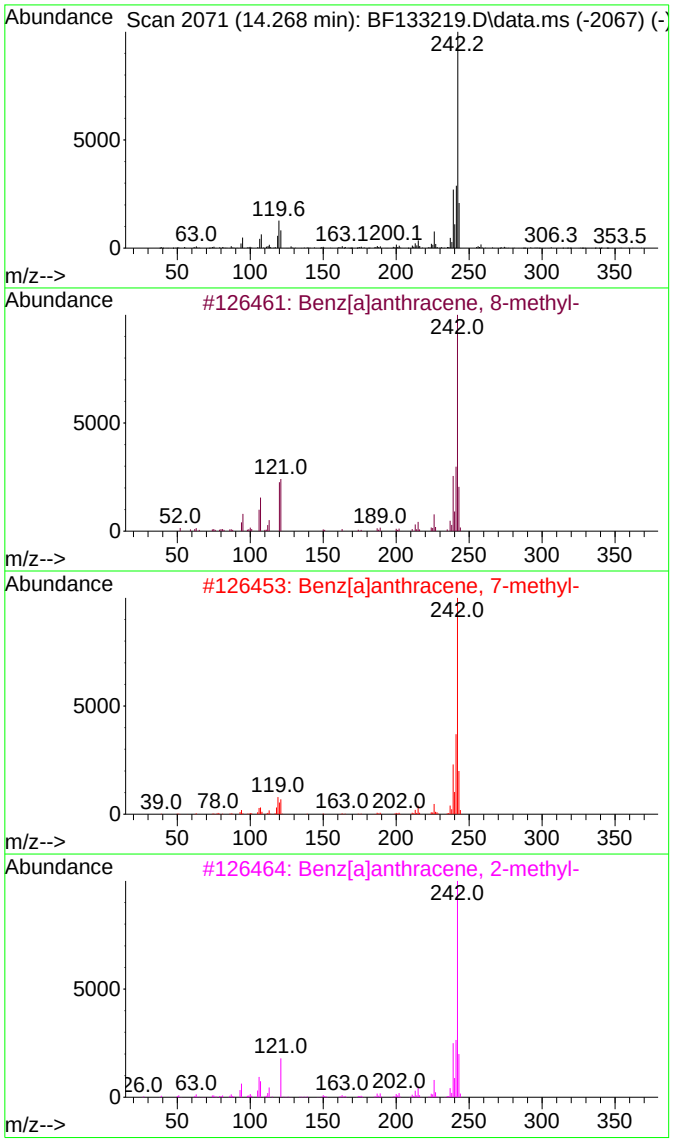
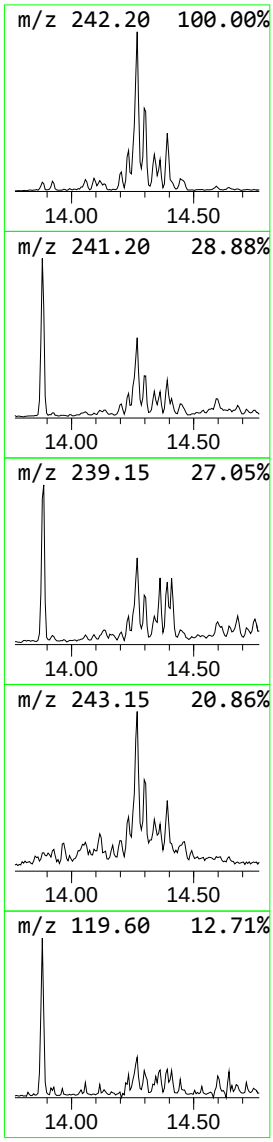
Peak Number 19 Benz[a]anthracene, 8-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	4.21 ng	471481	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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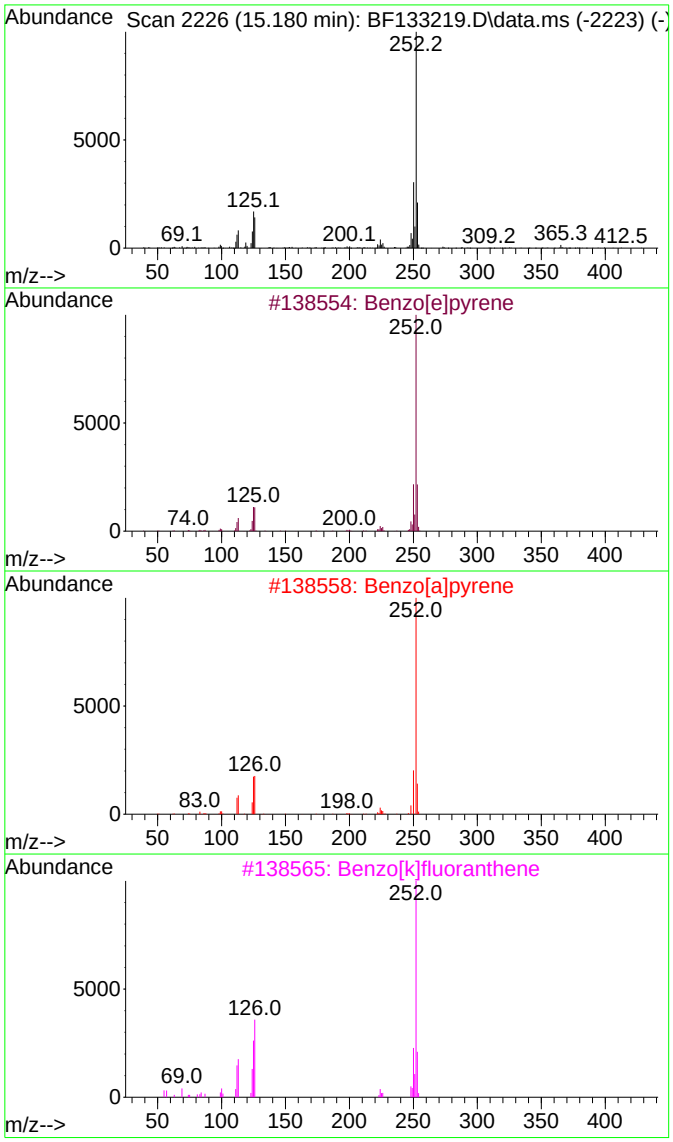
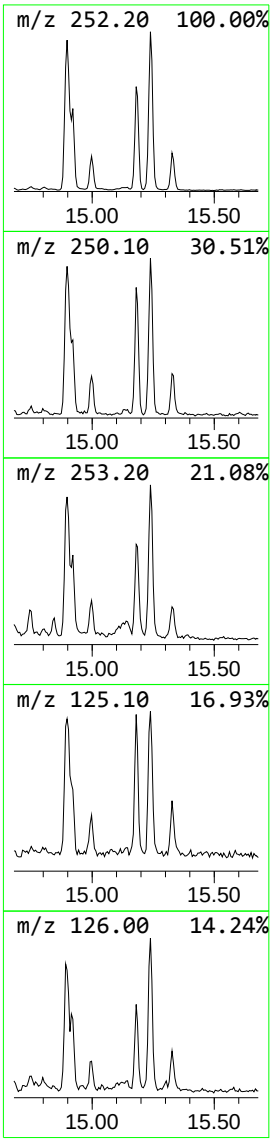
Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	8.23 ng	402045	Perylene-d12	15.304

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	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133219.D
Acq On : 03 May 2023 21:23
Operator : CG\JU
Sample : 02584-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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, 2,...	9.345	5.6	ng	565094	3	9.763	2022700	20.0
Naphthalene, 1,...	9.422	7.4	ng	748493	3	9.763	2022700	20.0
Hexadecane	10.204	4.4	ng	446960	3	9.763	2022700	20.0
Benzophenone	10.475	4.4	ng	442690	3	9.763	2022700	20.0
Nonadecane	10.675	6.4	ng	482322	4	11.245	1517920	20.0
9H-Fluorene, 2-...	10.857	4.9	ng	369856	4	11.245	1517920	20.0
Dibenzothiophene	11.139	4.3	ng	325806	4	11.245	1517920	20.0
Hexadecanoic ac...	11.651	20.0	ng	1520010	4	11.245	1517920	20.0
Phenanthrene, 2...	11.745	9.6	ng	729974	4	11.245	1517920	20.0
Anthracene, 2-m...	11.774	12.8	ng	969659	4	11.245	1517920	20.0
unknown11.857	11.857	13.7	ng	1038530	4	11.245	1517920	20.0
Phenanthrene, 1...	11.880	7.4	ng	558697	4	11.245	1517920	20.0
Naphthalene, 2-...	12.045	4.3	ng	324306	4	11.245	1517920	20.0
Phenanthrene, 2...	12.298	9.3	ng	708596	4	11.245	1517920	20.0
9,12-Octadecadi...	12.339	71.5	ng	5424140	4	11.245	1517920	20.0
9-Octadecenoic ...	12.357	31.0	ng	2350230	4	11.245	1517920	20.0
9,10-Dimethylan...	12.380	4.4	ng	334156	4	11.245	1517920	20.0
11H-Benzo[a]flu...	13.010	4.2	ng	467472	5	13.880	2239600	20.0
Benz[a]anthrace...	14.268	4.2	ng	471481	5	13.880	2239600	20.0
Benzo[e]pyrene	15.180	8.2	ng	402045	6	15.304	977111	20.0