LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123450.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.234	19	25	31	rVB	1079344	1332821	19.18%	1.161%
2	2.346	39	44	50	rVB	186420	242931	3.50%	0.212%
3	5.140	513	519	527	rVB	198728	252939	3.64%	0.220%
4	5.534	578	586	590	rBV	4452898	4503399	64.81%	3.924%
5	6.540	750	757	761	rBV	4096760	4558317	65.60%	3.972%
6	6.916	817	821	824	rBV	1611644	1279356	18.41%	1.115%
7	7.475	906	916	919	rBV	3228539	2986959	42.99%	2.603%
8	8.198	1034	1039	1041	rBV	1988152	1821285	26.21%	1.587%
9	8.222	1041	1043	1046	rVV	1763470	1351773	19.45%	1.178%
10	8.910	1157	1160	1163	rVB	1315776	1074928	15.47%	0.937%
11	9.010	1174	1177	1181	rVB	1332885	1044019	15.02%	0.910%
12	9.275	1218	1222	1225	rBV	4449821	3754450	54.03%	3.272%
13	9.475	1253	1256	1260	rVB	307934	334483	4.81%	0.291%
14	9.545	1263	1268	1271	rVB	429801	589746	8.49%	0.514%
15	9.616	1276	1280	1282	rVV	965499	913265	13.14%	0.796%
16	9.639	1282	1284	1287	rVV	542134	454074	6.53%	0.396%
17	9.669	1287	1289	1293	rVV2	426042	395482	5.69%	0.345%
18	9.734	1297	1300	1306	rVV	498249	562863	8.10%	0.491%
19	9.816	1309	1314	1319	rBV2	440954	468891	6.75%	0.409%
20	9.939	1332	1335	1336	rBV	294705	288110	4.15%	0.251%
21	9.957	1336	1338	1341	rVV	1899921	1528977	22.00%	1.332%
22	9.992	1341	1344	1347	rVV	1606759	1342577	19.32%	1.170%
23	10.063	1353	1356	1360	rVB	190289	241499	3.48%	0.210%
24	10.116	1360	1365	1369	rBV2	264790	324183	4.67%	0.283%
25	10.163	1369	1373	1376	rVB	903143	768085	11.05%	0.669%
26	10.198	1376	1379	1382	rBV	265551	228444	3.29%	0.199%
27	10.275	1389	1392	1395	rBV	307527	319202	4.59%	0.278%
28	10.369	1404	1408	1410	rBV2	285152	363936	5.24%	0.317%
29	10.510	1428	1432	1437	rVV	1279298	1217103	17.52%	1.061%
30	10.557	1437	1440	1441	rVV2	269935	219118	3.15%	0.191%
31	10.575	1441	1443	1445	rVV	378344	349589	5.03%	0.305%
32	10.592	1445	1446	1449	rVV	387689	348416	5.01%	0.304%
33	10.622	1449	1451	1453	rVV2	272465	254492	3.66%	0.222%
34	10.645	1453	1455	1456	rVV2	232924	209645	3.02%	0.183%
35	10.663	1456	1458	1463	rVB	450990	437122	6.29%	0.381%
36	10.745	1468	1472	1476	rVB	2732987	2550782	36.71%	2.223%

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.869	1489	1493	1497	rVB5	279678	395182	5.69%	0.344%
38	11.057	1519	1525	1527	rBV3	375861	552675	7.95%	0.482%
39	11.086	1527	1530	1533	rVV2	363235	359043	5.17%	0.313%
40	11.139	1537	1539	1542	rVB	225530	218742	3.15%	0.191%
41	11.210	1548	1551	1555	rVB3	259149	251338	3.62%	0.219%
42	11.251	1555	1558	1562	rVB	614587	579599	8.34%	0.505%
43	11.310	1562	1568	1572	rBV4	320817	609158	8.77%	0.531%
44	11.345	1572	1574	1580	rVB	690182	619107	8.91%	0.540%
45	11.451	1589	1592	1594	rBV	1245845	1308007	18.82%	1.140%
46	11.480	1594	1597	1600	rVV	6788356	6948726	100.00%	6.055%
47	11.528	1602	1605	1608	rVB	1447487	1113293	16.02%	0.970%
48	11.557	1608	1610	1614	rBV2	326897	308729	4.44%	0.269%
49	11.680	1625	1631	1633	rBV2	659676	794130	11.43%	0.692%
50	11.780	1645	1648	1651	rVB2	349405	296062	4.26%	0.258%
51	11.957	1674	1678	1680	rVV	1613335	1475328	21.23%	1.286%
52	11.986	1680	1683	1686	rVB	2130776	1861926	26.80%	1.623%
53	12.027	1687	1690	1693	rBV	497555	499981	7.20%	0.436%
54	12.069	1693	1697	1699	rVV2	1920503	2061383	29.67%	1.796%
55	12.092	1699	1701	1704	rVB	1214296	924363	13.30%	0.806%
56	12.251	1725	1728	1730	rVV	879159	845731	12.17%	0.737%
57	12.275	1730	1732	1736	rVV	1303481	1079147	15.53%	0.940%
58	12.404	1751	1754	1757	rVB	367837	284767	4.10%	0.248%
59	12.433	1757	1759	1761	rBV	299459	262661	3.78%	0.229%
60	12.457	1761	1763	1766	rVB	283579	260149	3.74%	0.227%
61	12.510	1768	1772	1775	rBV	858663	967185	13.92%	0.843%
62	12.551	1775	1779	1781	rVV2	512968	582138	8.38%	0.507%
63	12.604	1785	1788	1793	rVB3	415887	575629	8.28%	0.502%
64	12.686	1797	1802	1805	rVB	6197036	5723621	82.37%	4.988%
65	12.798	1818	1821	1824	rBV3	415140	474593	6.83%	0.414%
66	12.910	1833	1840	1844	rBV2	5336192	6744234	97.06%	5.877%
67	12.951	1844	1847	1852	rVB2	428505	554201	7.98%	0.483%
68	13.022	1855	1859	1860	rBV	484195	490696	7.06%	0.428%
69	13.045	1860	1863	1869	rVB2	2767679	2781075	40.02%	2.424%
70	13.116	1870	1875	1879	rBV3	645826	1132395	16.30%	0.987%
71	13.204	1887	1890	1892	rVV2	431012	484083	6.97%	0.422%
72	13.227	1892	1894	1897	rVB	1156753	1065126	15.33%	0.928%
73	13.298	1903	1906	1908	rVB	674788	608384	8.76%	0.530%
74	13.333	1908	1912	1915	rBV2	1012205	1052587	15.15%	0.917%
75	13.363	1915	1917	1919	rVB	252805	206413	2.97%	0.180%
76	13.427	1925	1928	1930	rBV	512237	401598	5.78%	0.350%

LSC Area Percent Report

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Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.457	1930	1933	1936	rVB2	544256	472938	6.81%	0.412%
78	13.733	1978	1980	1985	rVB	644894	727230	10.47%	0.634%
79	13.845	1995	1999	2003	rBV2	530442	873844	12.58%	0.762%
80	13.880	2003	2005	2007	rVV	774164	648797	9.34%	0.565%
81	13.904	2007	2009	2013	rVV3	510351	817434	11.76%	0.712%
82	13.945	2013	2016	2023	rVB2	1283258	1332743	19.18%	1.161%
83	14.098	2038	2042	2045	rBV3	3364678	4188633	60.28%	3.650%
84	14.133	2045	2048	2053	rVB	3210864	3128121	45.02%	2.726%
85	14.210	2059	2061	2064	rBV	338213	247985	3.57%	0.216%
86	14.321	2077	2080	2084	rVV2	341048	420430	6.05%	0.366%
87	14.457	2100	2103	2105	rBV	224281	226329	3.26%	0.197%
88	14.492	2105	2109	2112	rVV	903356	984288	14.17%	0.858%
89	14.527	2112	2115	2118	rVV2	711116	650713	9.36%	0.567%
90	14.586	2122	2125	2128	rVV2	470696	574336	8.27%	0.501%
91	14.616	2128	2130	2133	rVV	453924	528160	7.60%	0.460%
92	14.639	2133	2134	2138	rVB3	376616	301637	4.34%	0.263%
93	15.174	2219	2225	2228	rBV	2062706	3591066	51.68%	3.129%
94	15.280	2240	2243	2247	rVB	493965	503818	7.25%	0.439%
95	15.486	2274	2278	2284	rVB	1158310	1615346	23.25%	1.408%
96	15.551	2284	2289	2295	rBV	1780505	2313773	33.30%	2.016%
97	15.615	2296	2300	2303	rVV2	845134	1096665	15.78%	0.956%
98	15.645	2303	2305	2312	rVB2	467182	722677	10.40%	0.630%
99	17.139	2553	2559	2567	rVB2	589664	1230862	17.71%	1.073%
100	17.598	2632	2637	2648	rVB	410244	888026	12.78%	0.774%

Sum of corrected areas: 114752297

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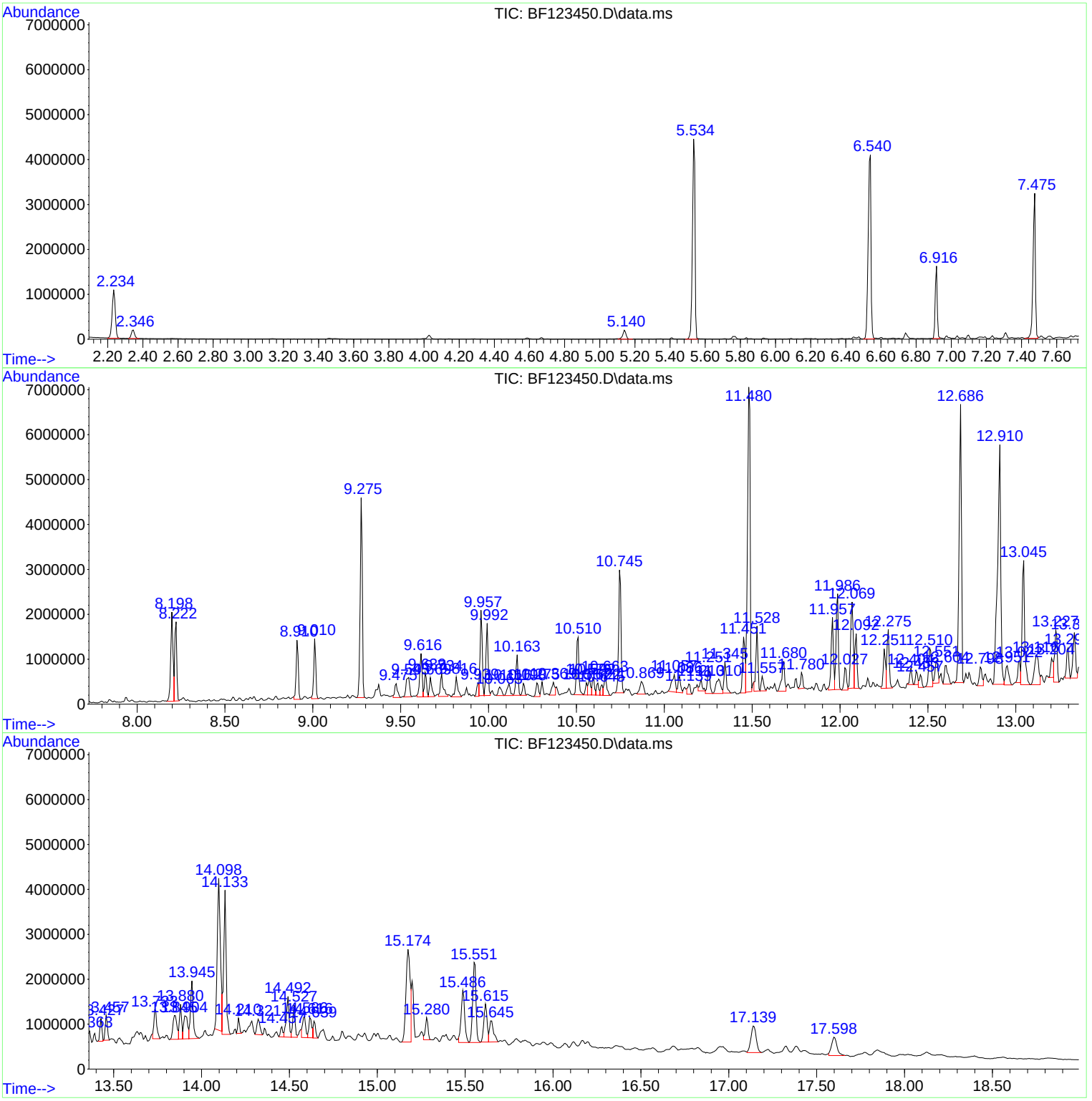
Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
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Instrument :
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ClientSampleId :
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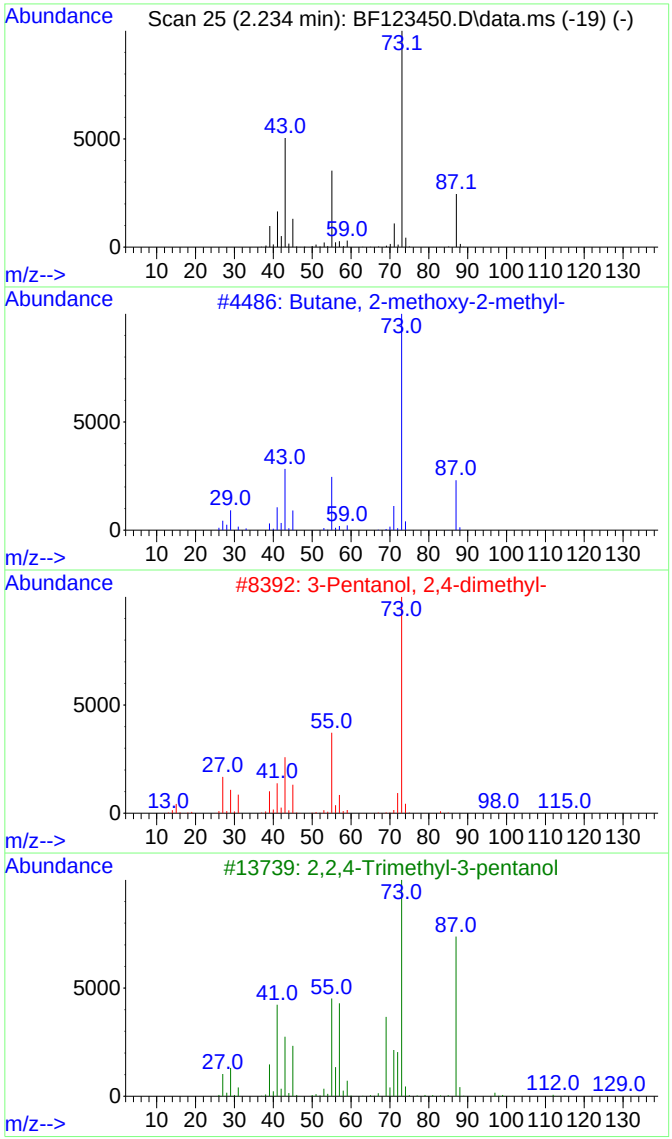
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

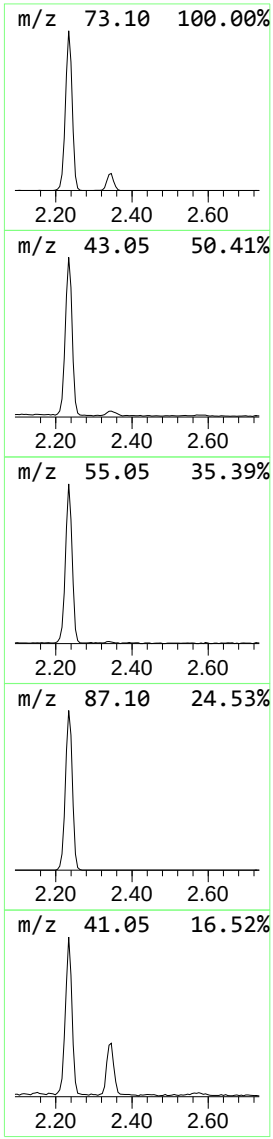
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.234	20.84 ng	1332820	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

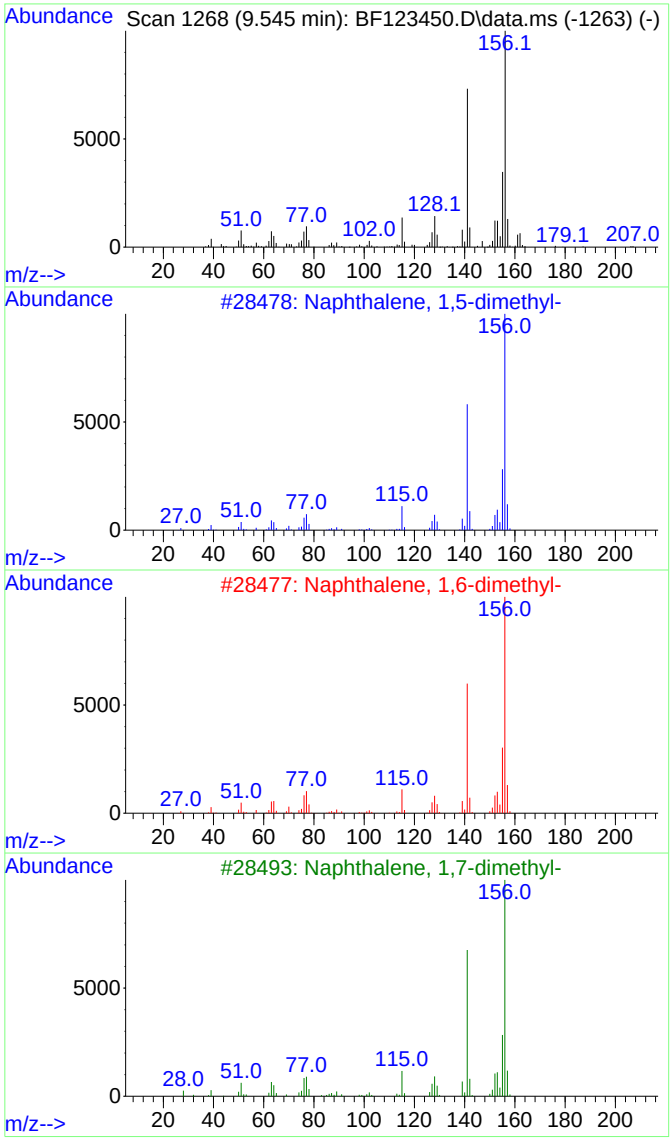
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

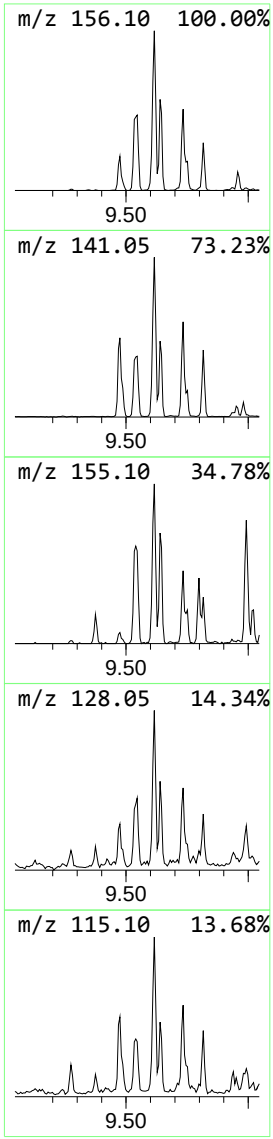
****

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	7.71 ng	589746	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 24 Mar 2021 21:02
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BNA_F
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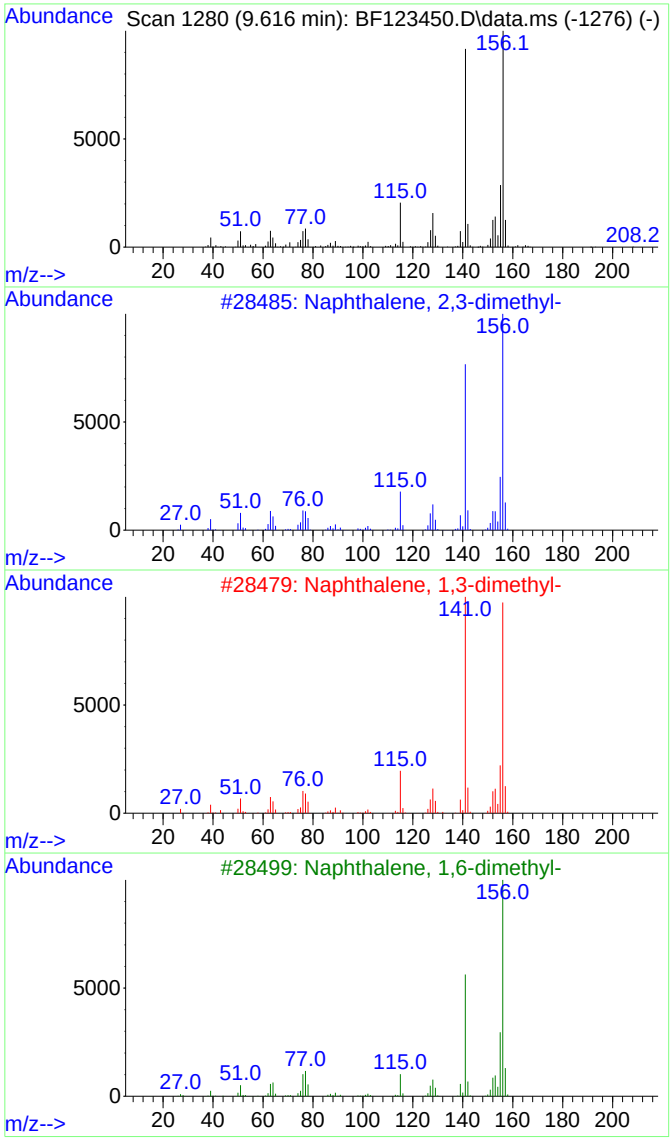
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

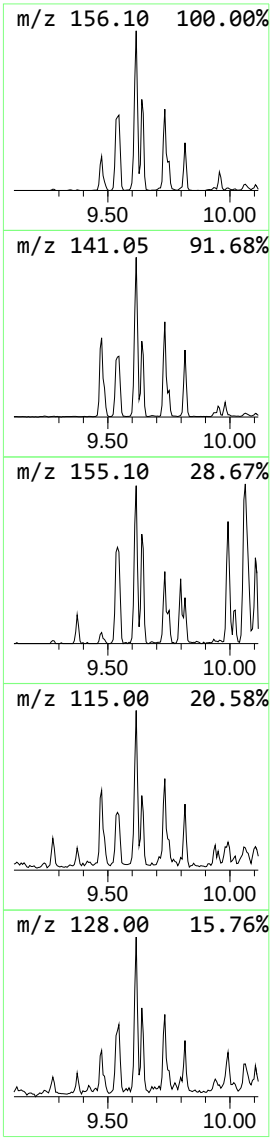
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	11.95 ng	913265	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
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Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

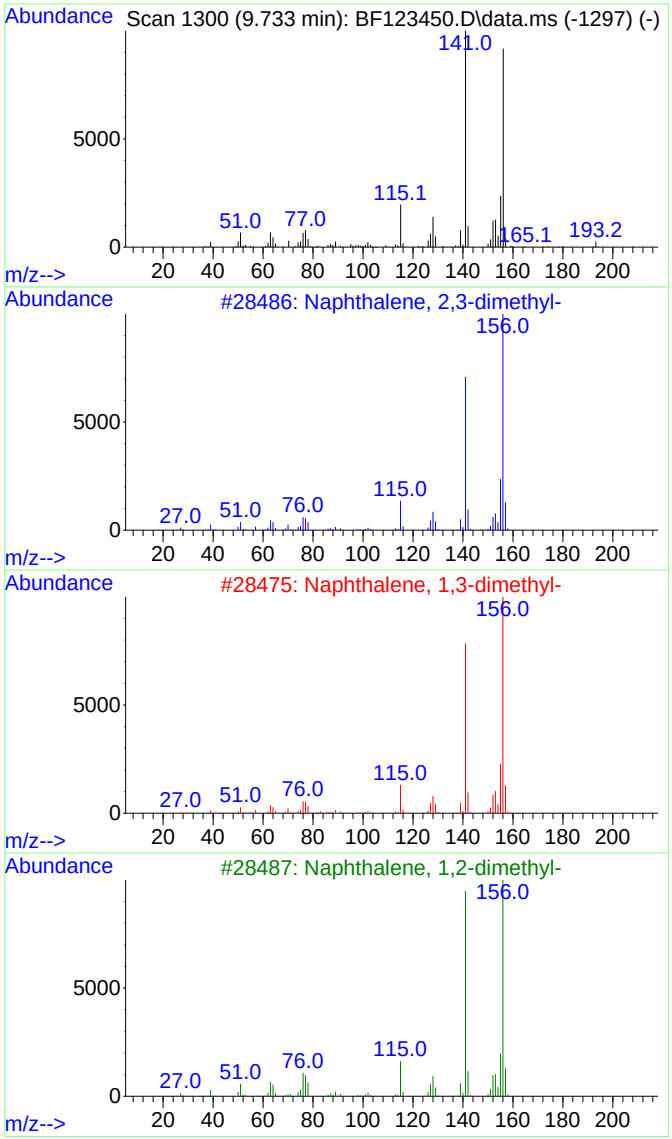
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

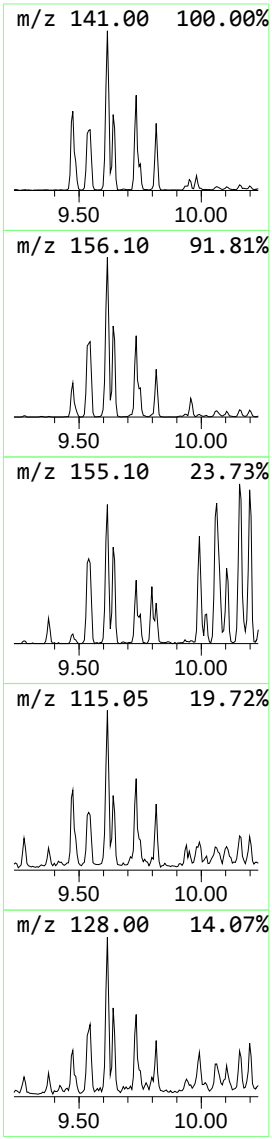
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.733	7.36 ng	562863	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

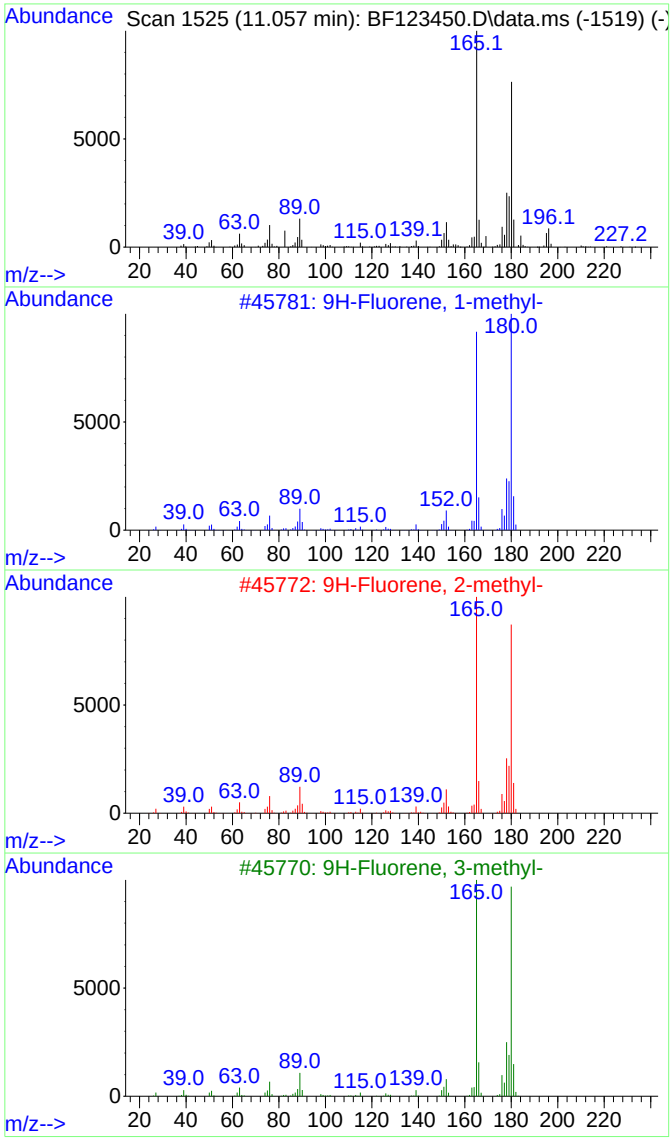
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

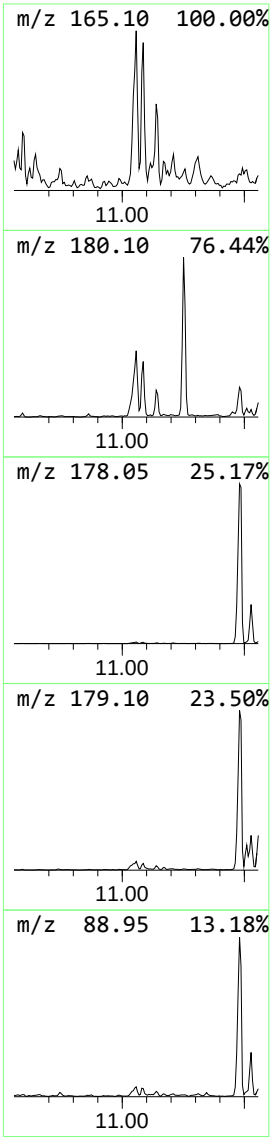
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	8.45 ng	552675	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	72





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Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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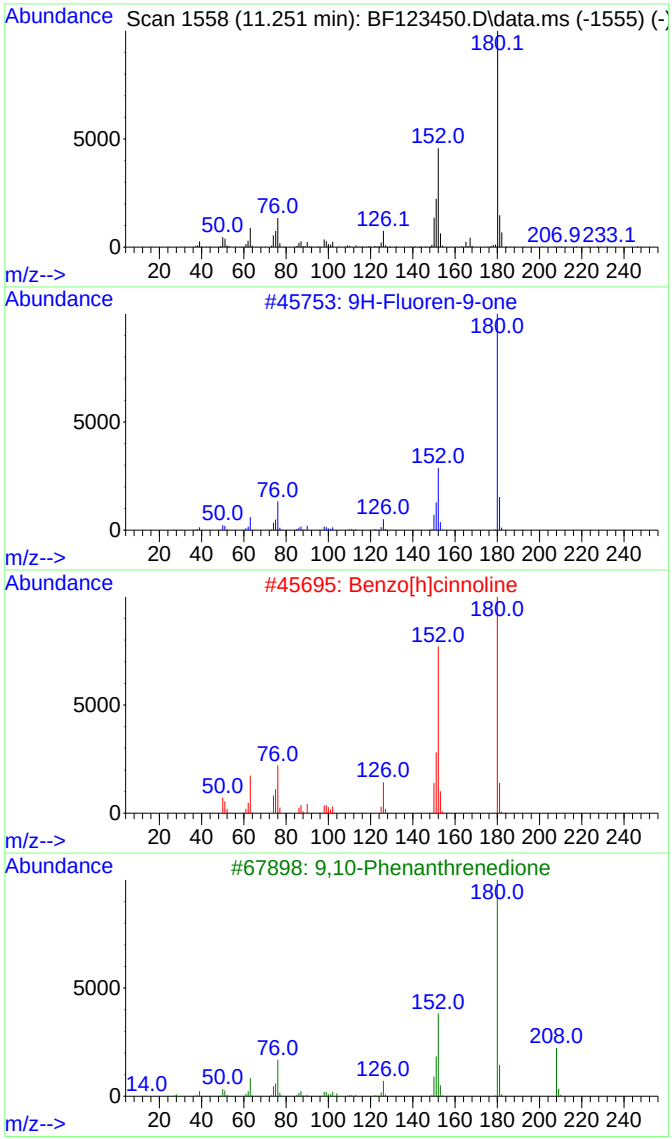
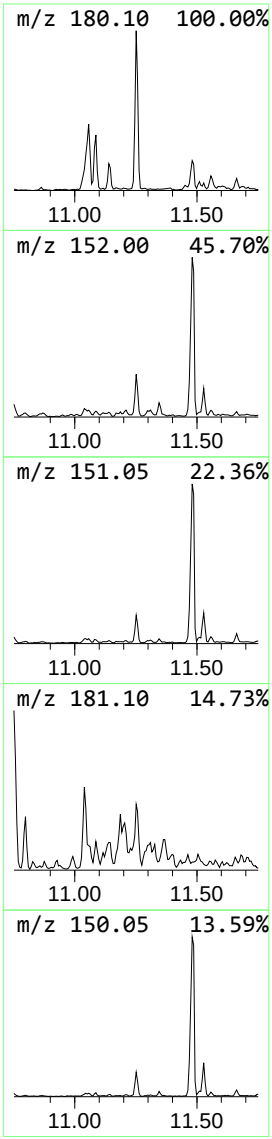
Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	8.86 ng	579599	Phenanthrene-d10	11.451

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	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	9-Aminofluorene	181	C13H11N	000525-03-1	64
5	1-Aza-2-sila-5-boracyclopent-3-e...	209	C11H24BNSi	122293-26-9	59





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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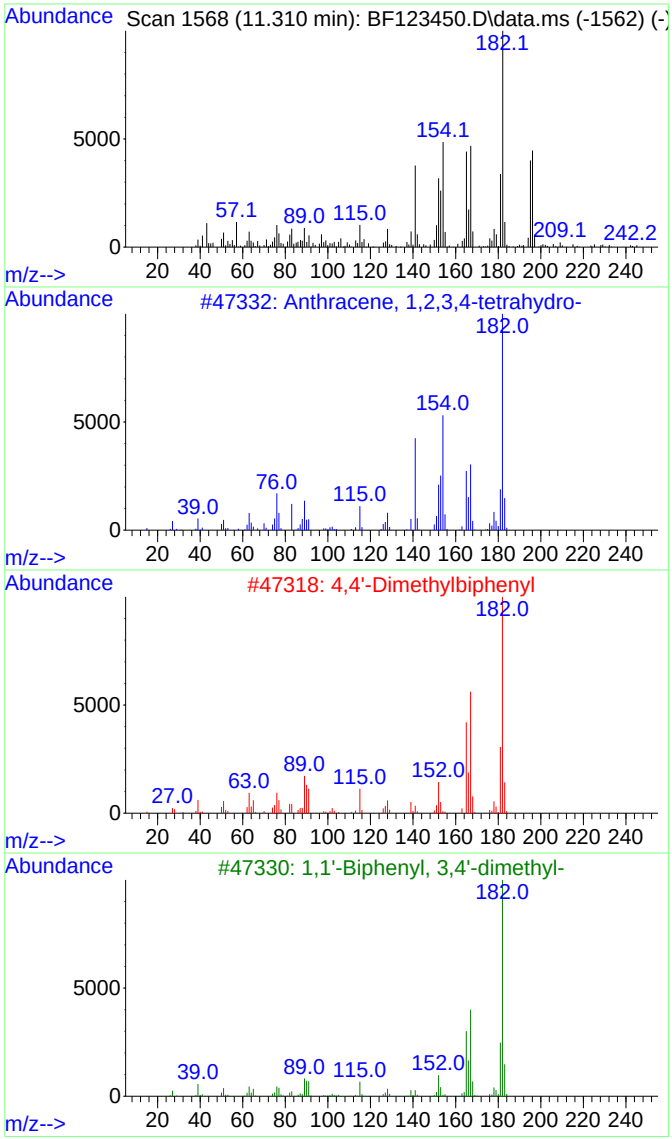
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

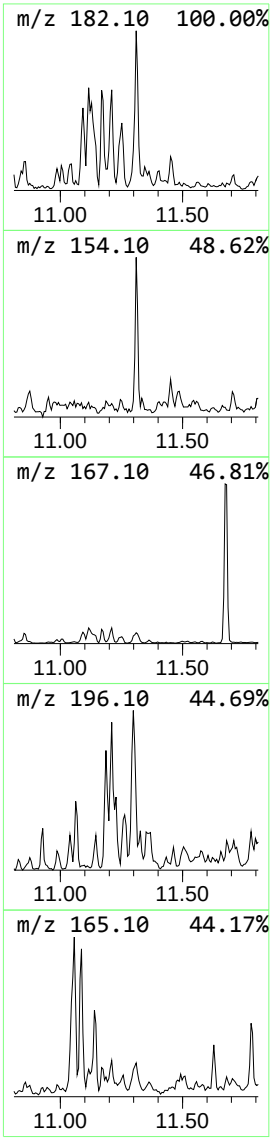
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	9.31 ng	609158	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	70
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	51
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43





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Instrument :
BNA_F
ClientSampleId :
TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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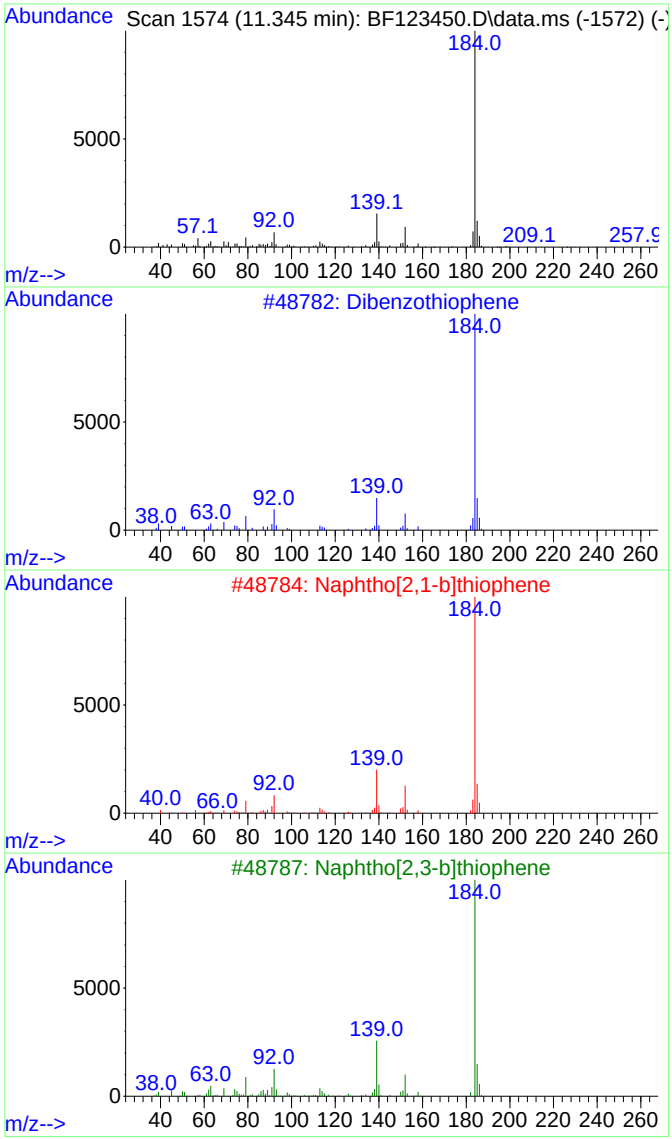
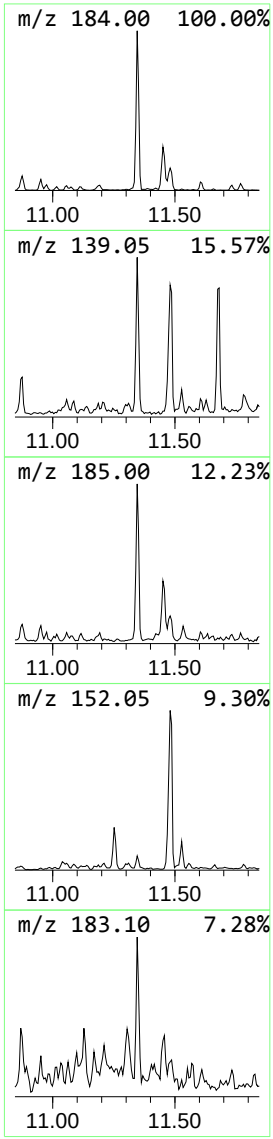
Peak Number 8 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.345	9.47 ng	619107	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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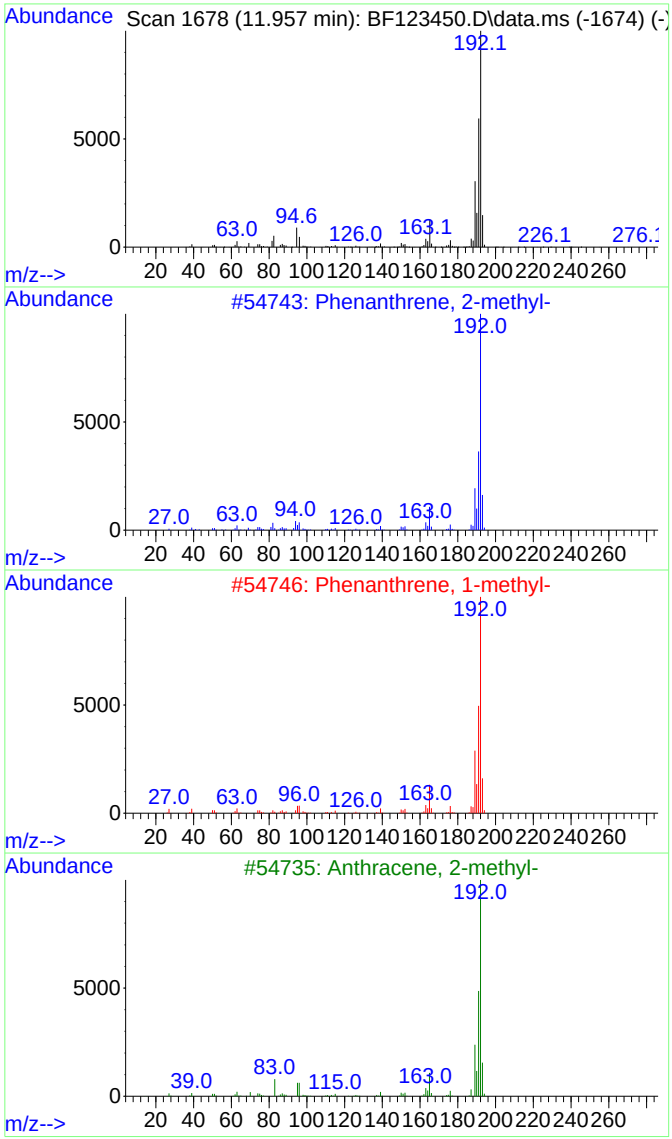
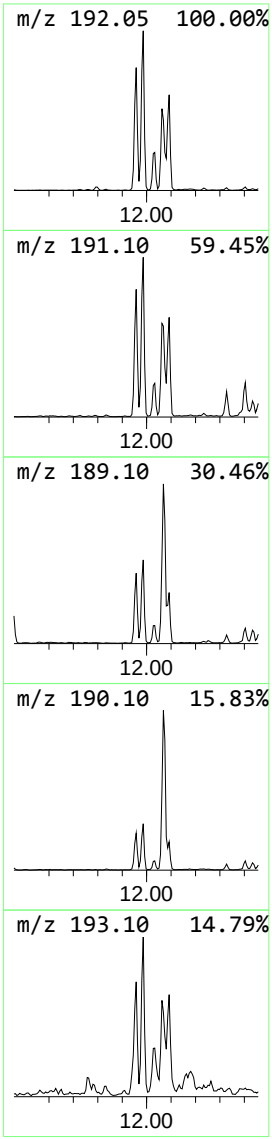
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	22.56 ng	1475330	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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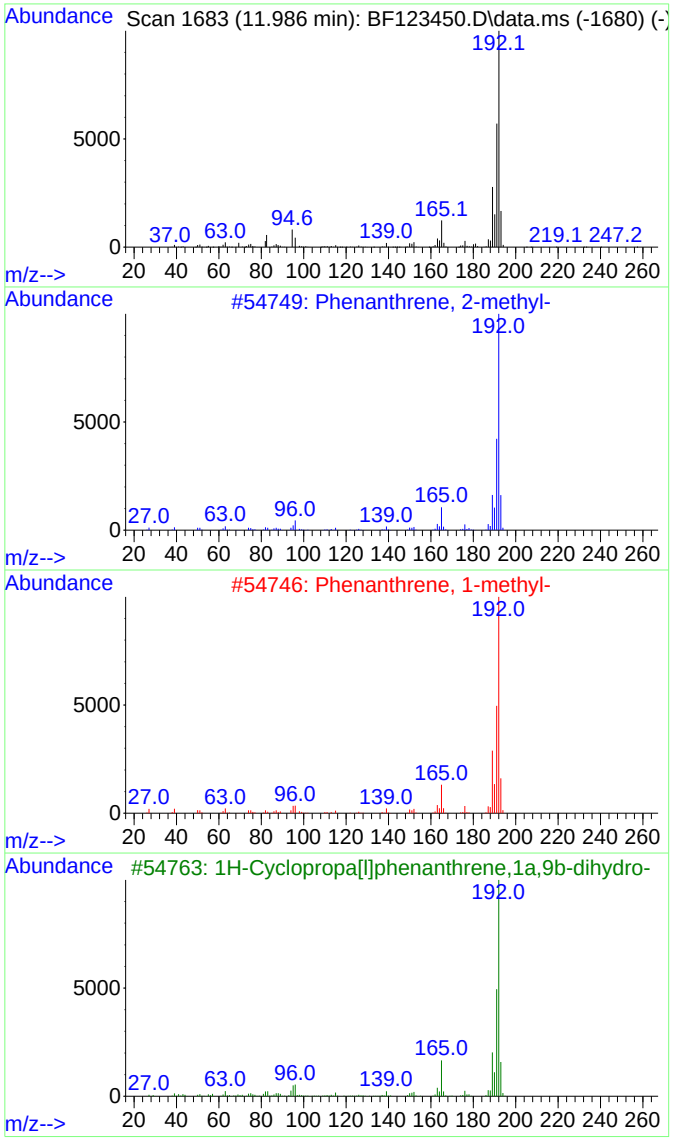
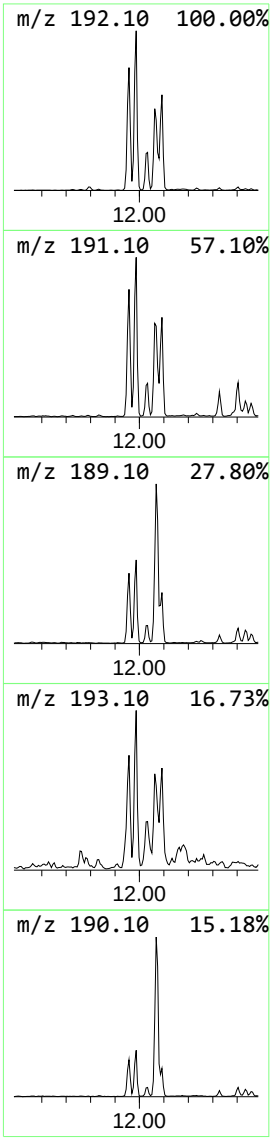
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	28.47 ng	1861930	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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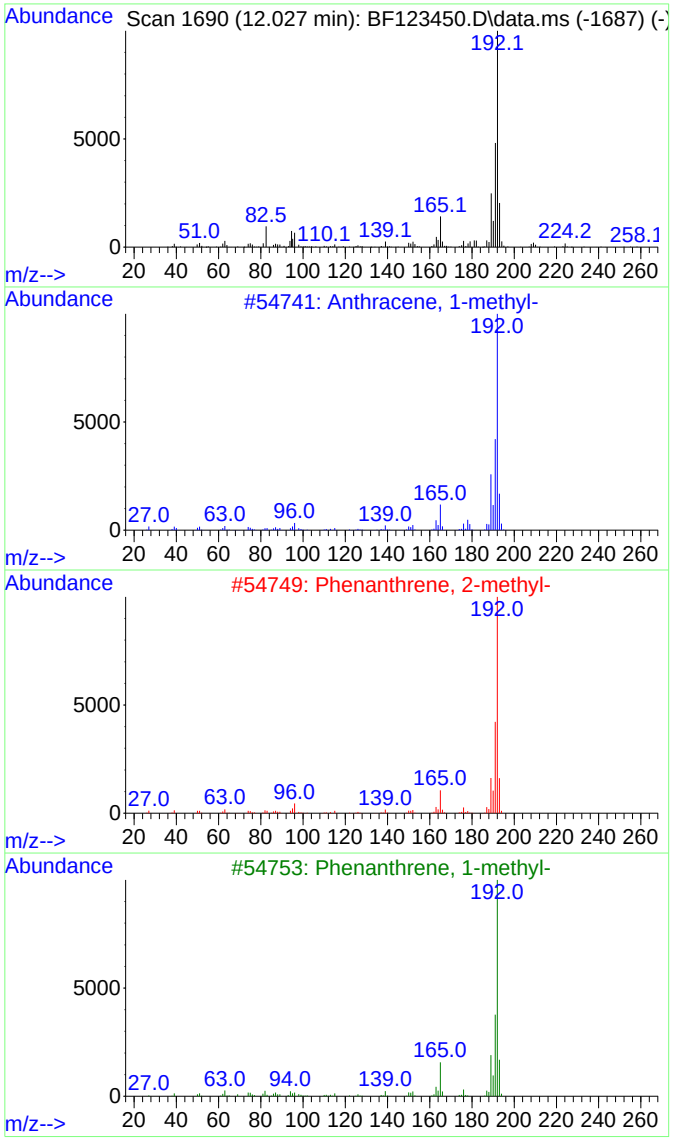
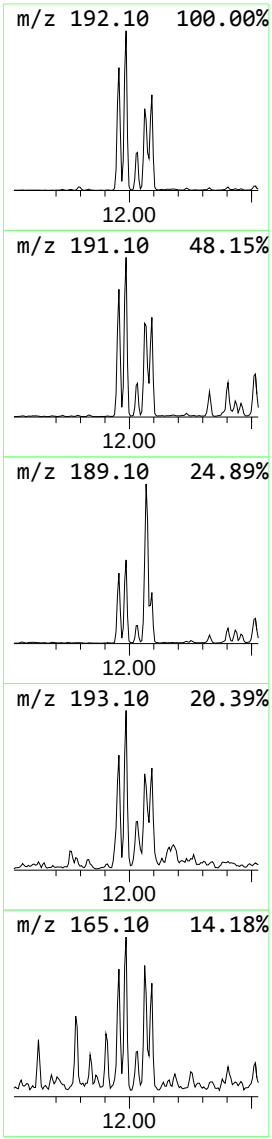
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	7.64 ng	499981	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

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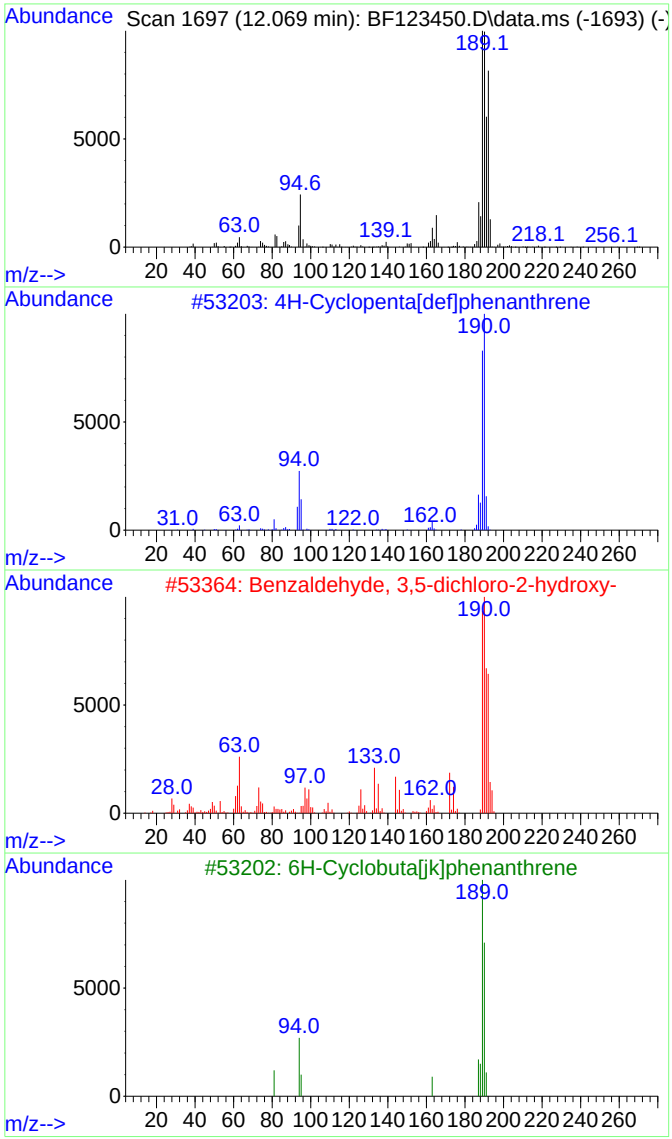
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

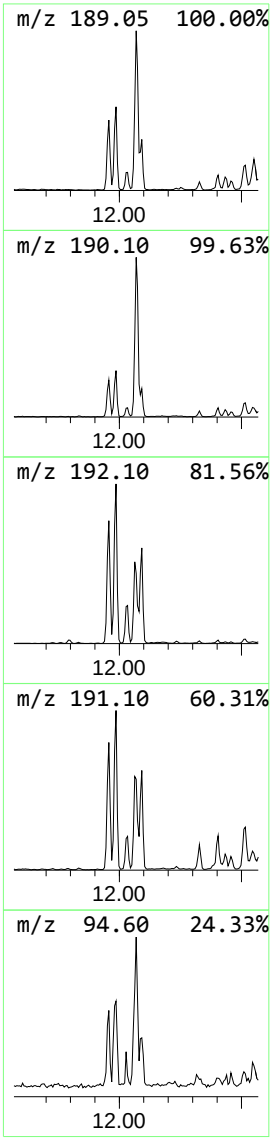
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	31.52 ng	2061380	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Sample : M1730-01
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ALS Vial : 18 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\NIST11.L
TIC Integration Parameters: LSCINT.P

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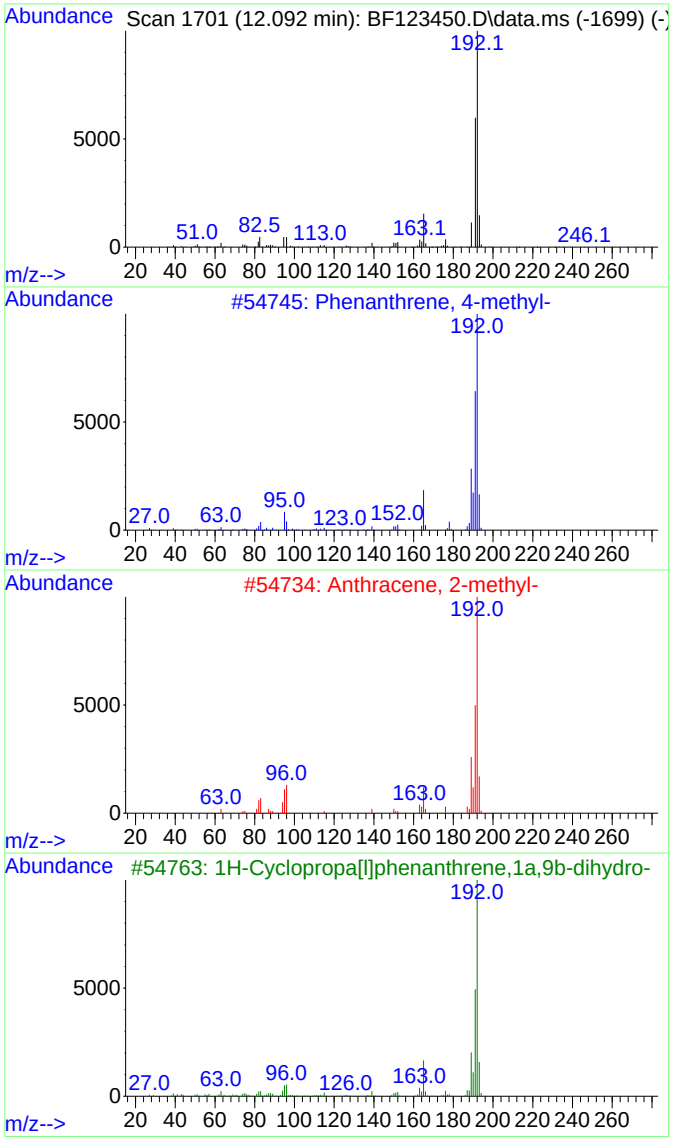
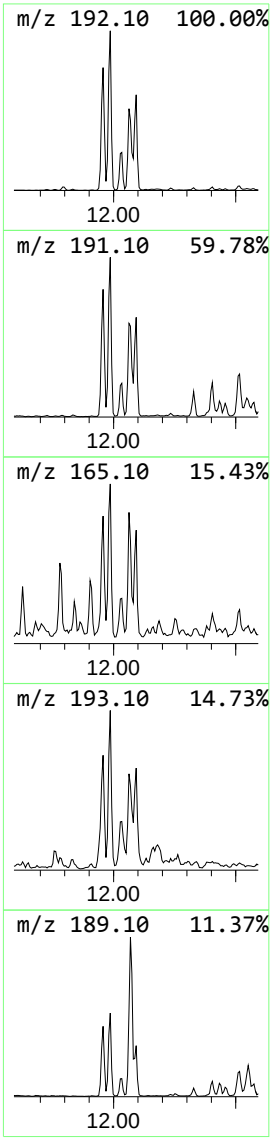
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	14.13 ng	924363	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Instrument : BNA_F
ClientSampleId : TP-8A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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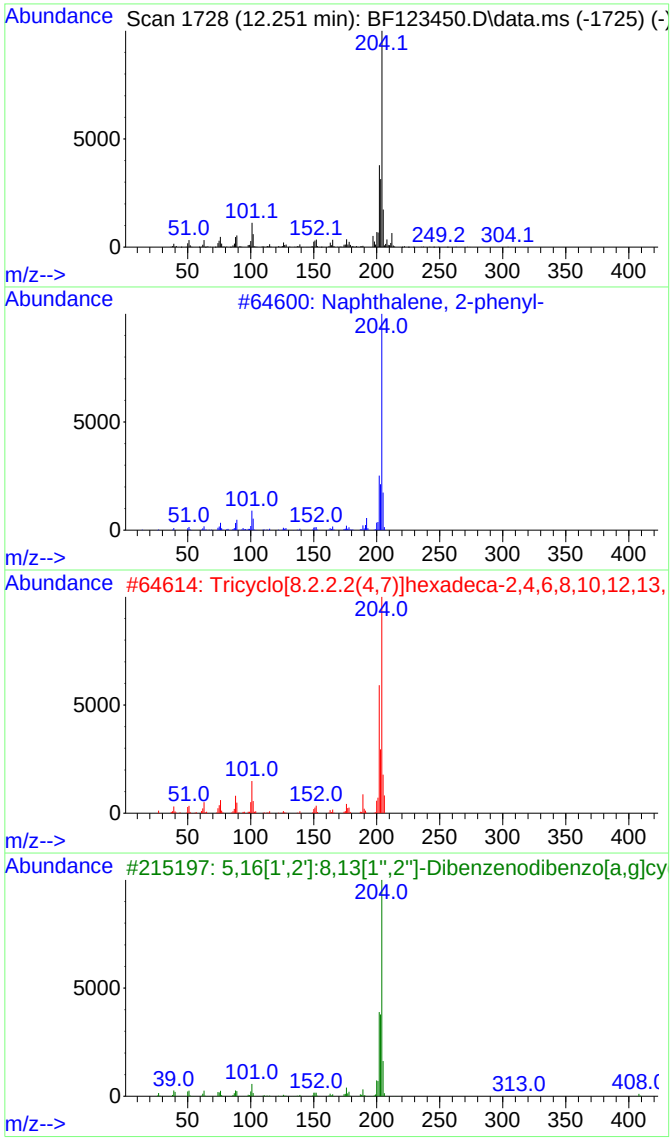
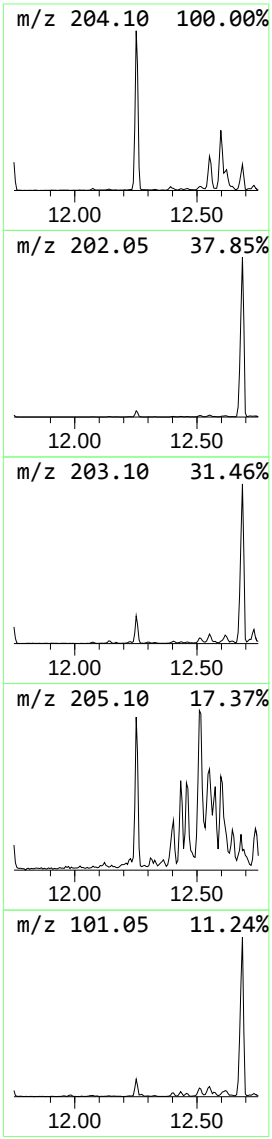
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	12.93 ng	845731	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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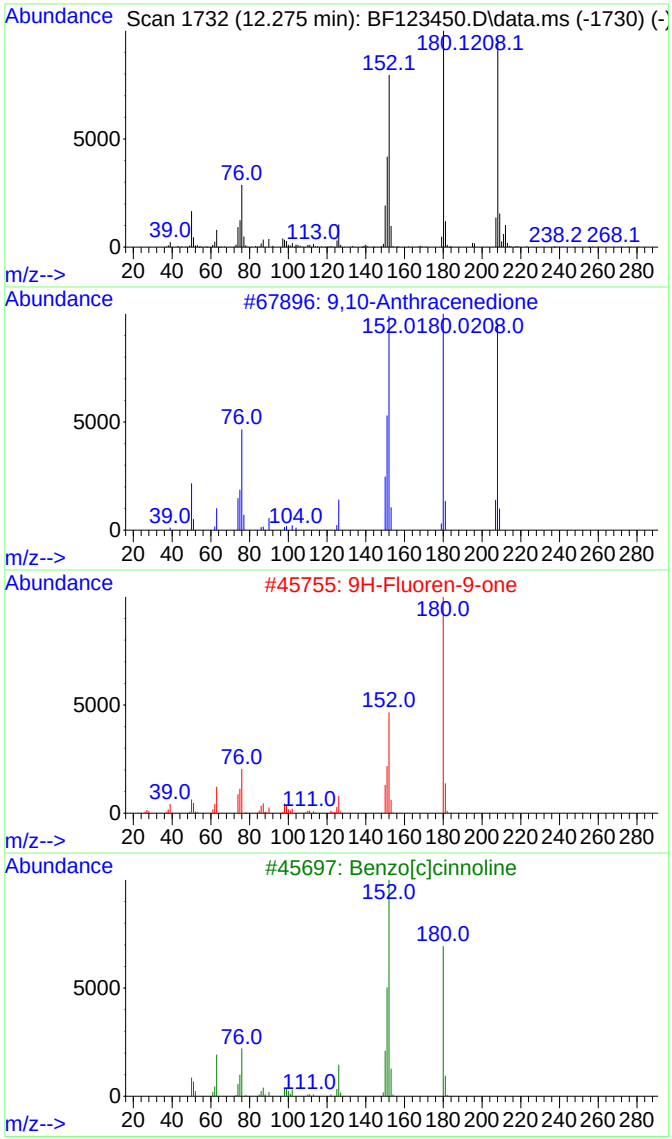
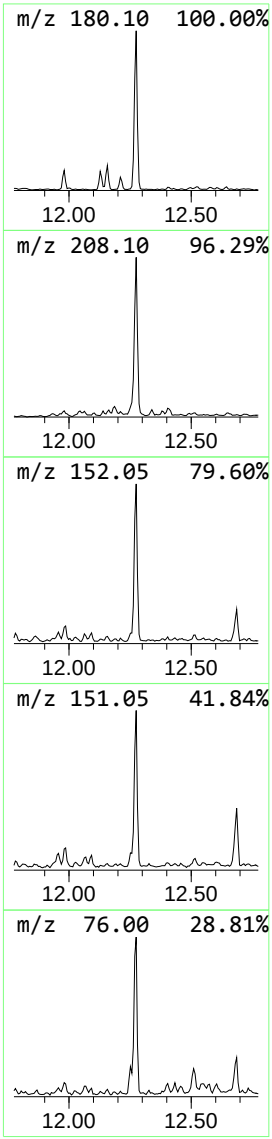
Peak Number 15 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	16.50 ng	1079150	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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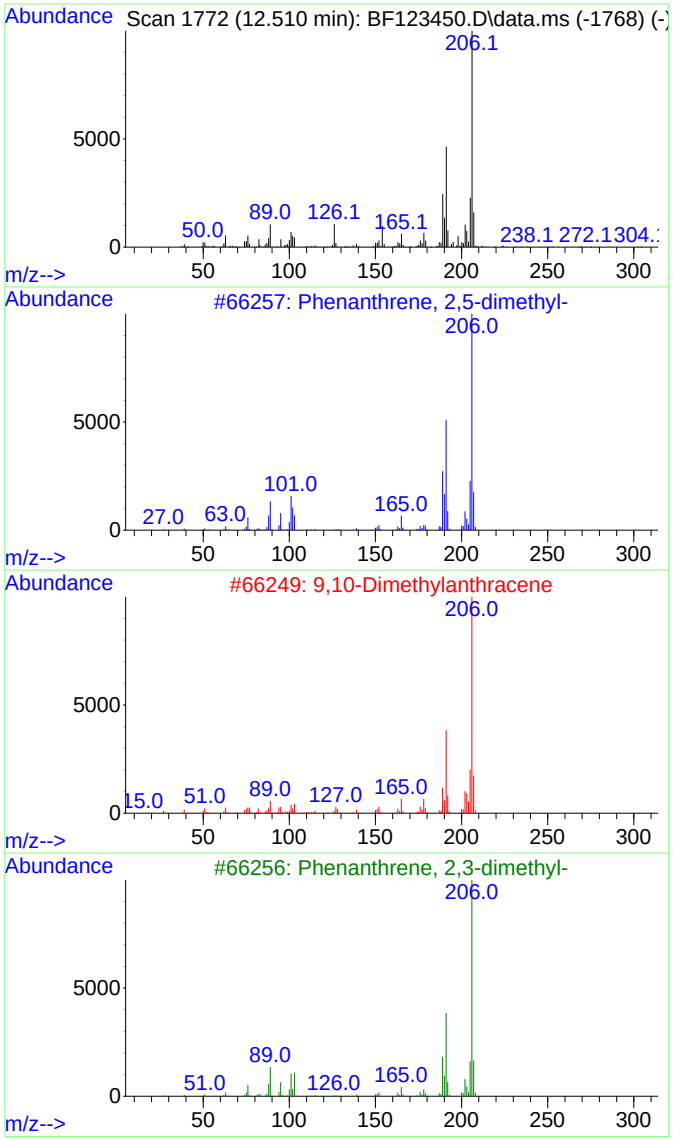
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

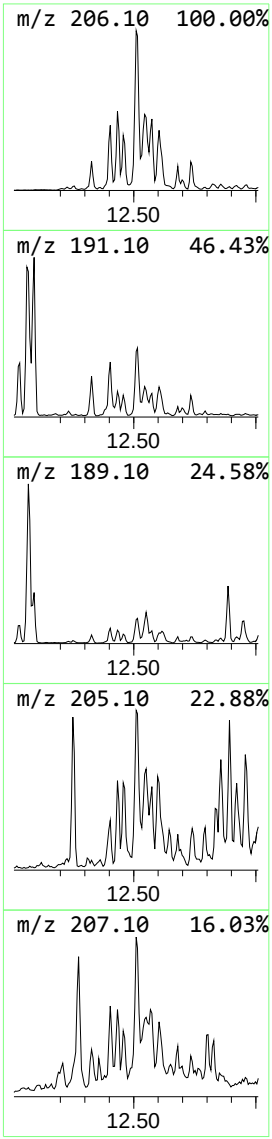
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	14.79 ng	967185	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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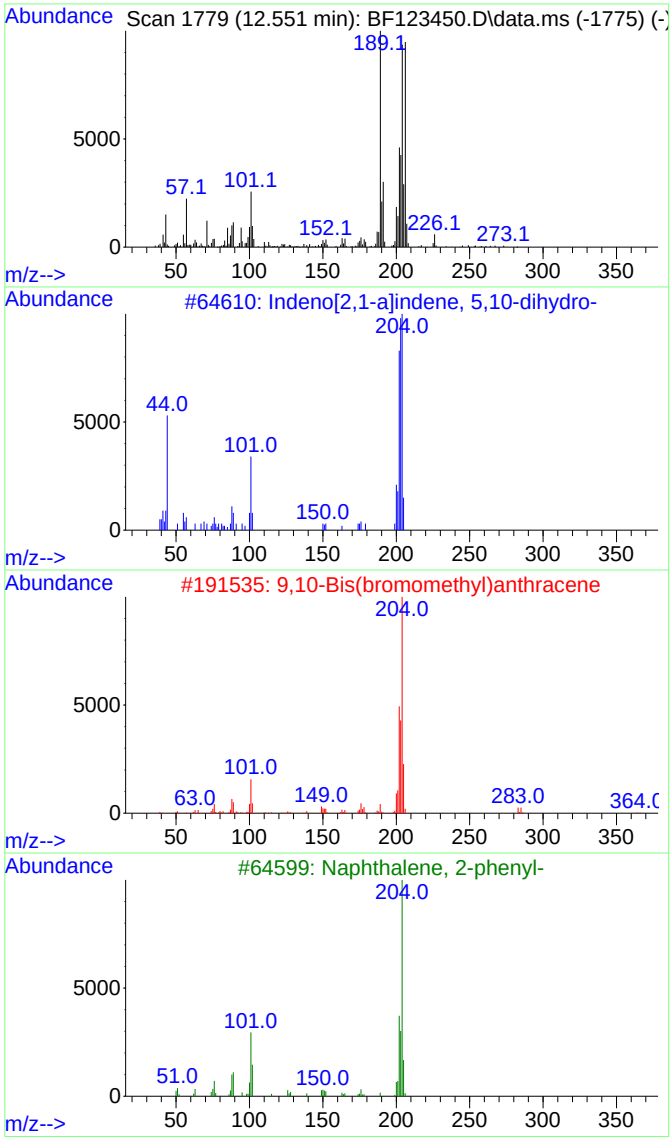
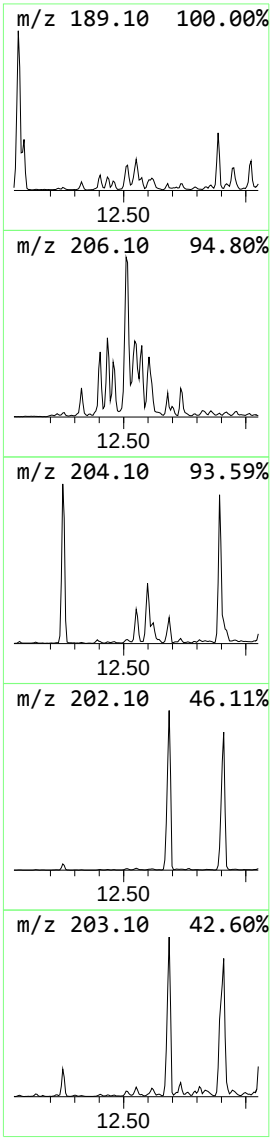
Peak Number 17 unknown12.551 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	8.90 ng	582138	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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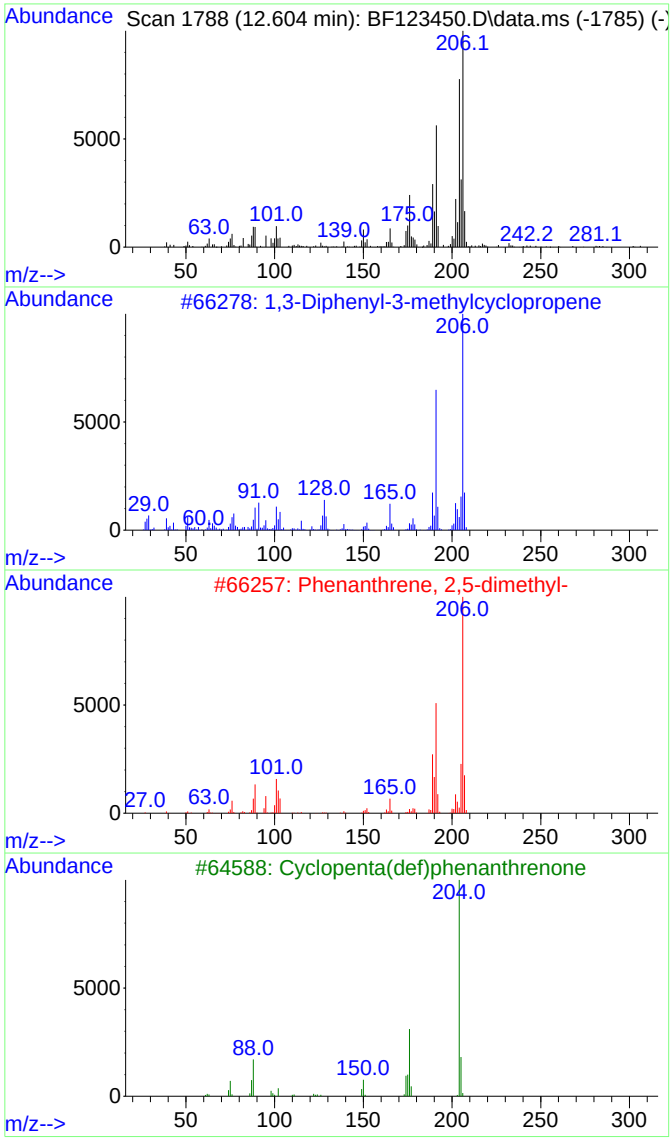
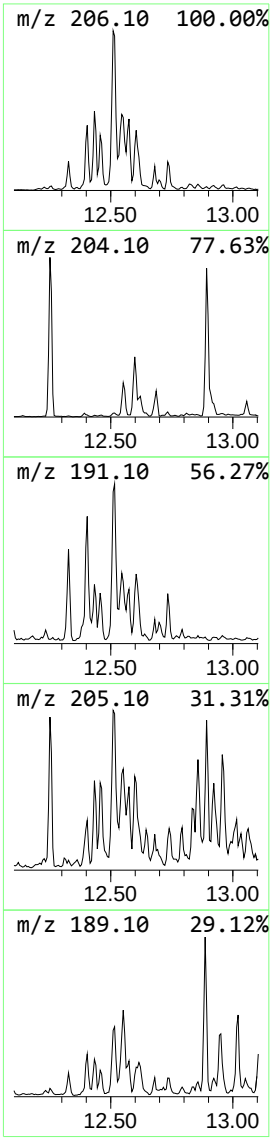
Peak Number 18 1,3-Diphenyl-3-methylcyclop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.604	8.80 ng	575629	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70





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Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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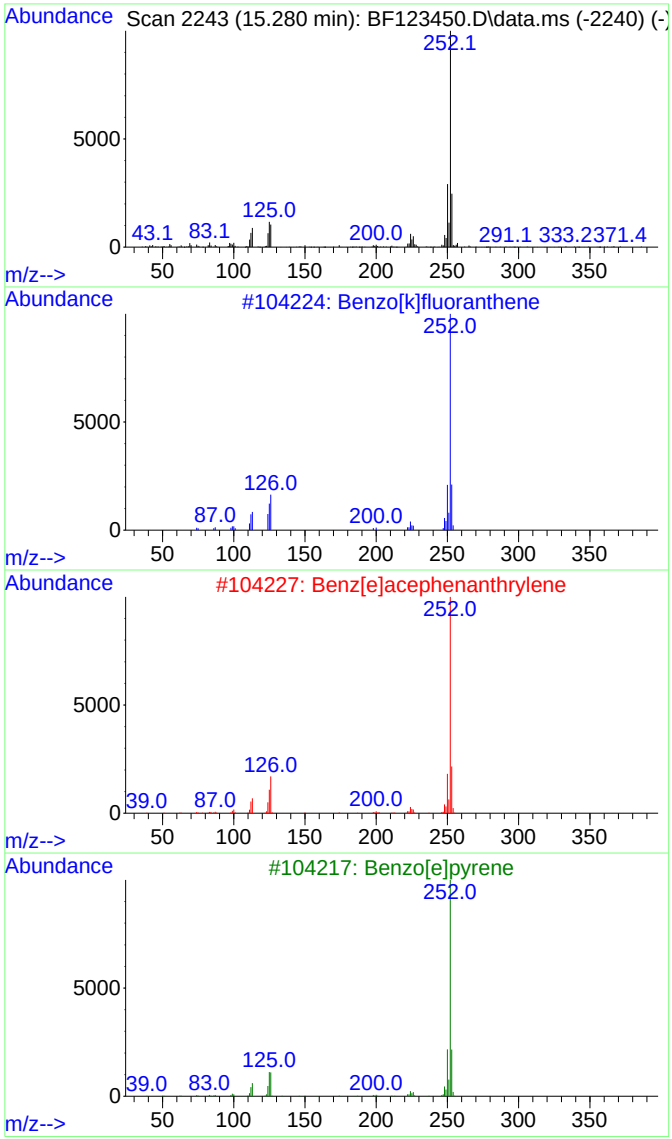
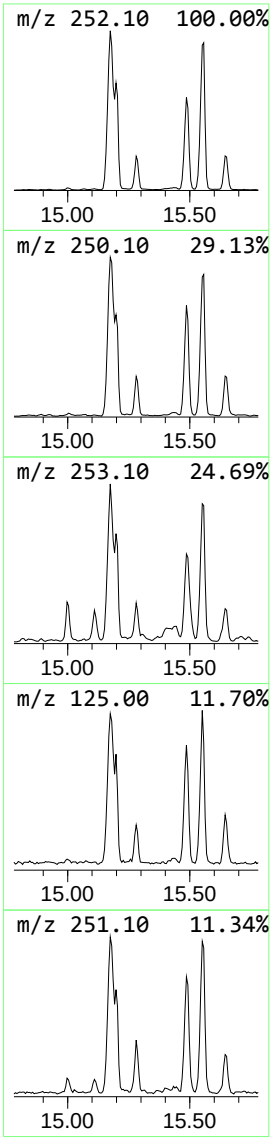
Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	9.19 ng	503818	Perylene-d12	15.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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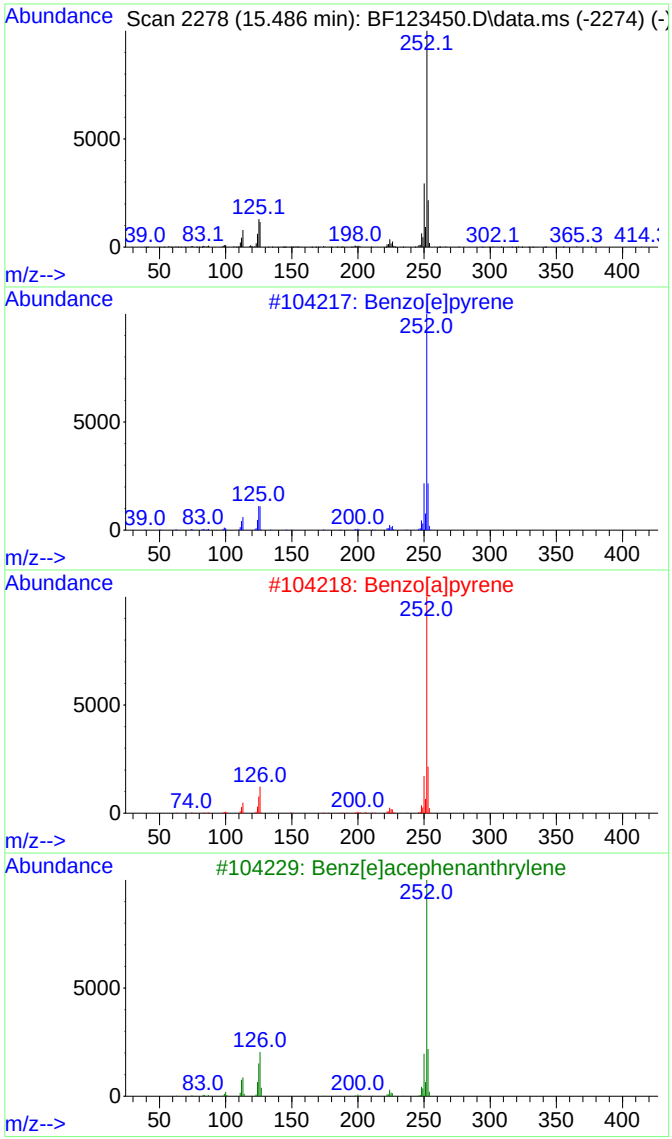
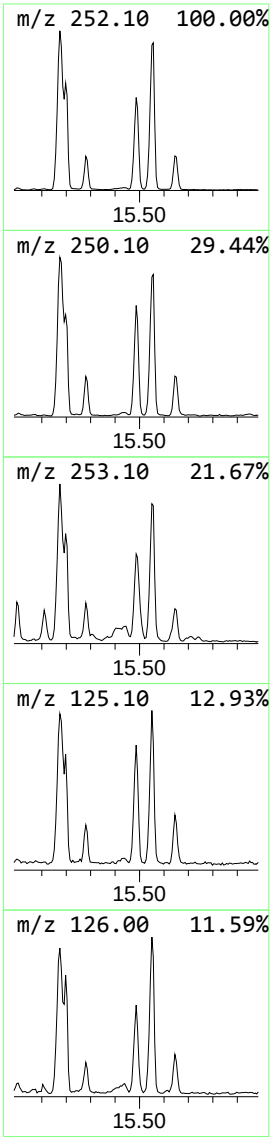
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.486	29.46 ng	1615350	Perylene-d12	15.616

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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123450.D
Acq On : 24 Mar 2021 21:02
Operator : JU/CG
Sample : M1730-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.234	20.8	ng	1332820	1	6.916	1279360	20.0
Naphthalene, 1,...	9.545	7.7	ng	589746	3	9.957	1528980	20.0
Naphthalene, 2,...	9.616	11.9	ng	913265	3	9.957	1528980	20.0
Naphthalene, 1,...	9.733	7.4	ng	562863	3	9.957	1528980	20.0
9H-Fluorene, 1-...	11.057	8.4	ng	552675	4	11.451	1308010	20.0
9H-Fluoren-9-one	11.251	8.9	ng	579599	4	11.451	1308010	20.0
Anthracene, 1,2...	11.310	9.3	ng	609158	4	11.451	1308010	20.0
Dibenzothiophene	11.345	9.5	ng	619107	4	11.451	1308010	20.0
Phenanthrene, 2...	11.957	22.6	ng	1475330	4	11.451	1308010	20.0
Phenanthrene, 1...	11.986	28.5	ng	1861930	4	11.451	1308010	20.0
Anthracene, 1-m...	12.028	7.6	ng	499981	4	11.451	1308010	20.0
4H-Cyclopenta[d...	12.069	31.5	ng	2061380	4	11.451	1308010	20.0
Phenanthrene, 4...	12.092	14.1	ng	924363	4	11.451	1308010	20.0
Naphthalene, 2-...	12.251	12.9	ng	845731	4	11.451	1308010	20.0
9,10-Anthracene...	12.275	16.5	ng	1079150	4	11.451	1308010	20.0
Phenanthrene, 2...	12.510	14.8	ng	967185	4	11.451	1308010	20.0
unknown12.551	12.551	8.9	ng	582138	4	11.451	1308010	20.0
1,3-Diphenyl-3-...	12.604	8.8	ng	575629	4	11.451	1308010	20.0
Benzo[e]pyrene	15.280	9.2	ng	503818	6	15.616	1096670	20.0
Perylene	15.486	29.5	ng	1615350	6	15.616	1096670	20.0