LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143827.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.493	555	561	574	rBV	1752140	2304704	72.55%	2.885%
2	6.499	726	732	742	rBV	1670363	2191021	68.97%	2.743%
3	6.881	792	797	804	rBV	707626	901272	28.37%	1.128%
4	7.440	884	892	897	rBV	1061374	1367723	43.05%	1.712%
5	8.169	1008	1016	1024	rBV2	884494	1662054	52.32%	2.081%
6	8.881	1132	1137	1142	rBV	725950	917819	28.89%	1.149%
7	8.975	1148	1153	1161	rVB	709069	937037	29.50%	1.173%
8	9.240	1193	1198	1203	rBV	1877986	2318049	72.97%	2.902%
9	9.340	1208	1215	1220	rVV2	91957	142738	4.49%	0.179%
10	9.440	1221	1232	1237	rVB2	135043	272585	8.58%	0.341%
11	9.504	1237	1243	1248	rBV	523804	811988	25.56%	1.016%
12	9.581	1251	1256	1258	rVV	760788	1038285	32.68%	1.300%
13	9.604	1258	1260	1264	rVV	485910	592278	18.64%	0.741%
14	9.698	1271	1276	1284	rVB	342117	565803	17.81%	0.708%
15	9.781	1284	1290	1296	rBV	485691	619505	19.50%	0.775%
16	9.922	1306	1314	1317	rBV2	921165	1318471	41.50%	1.650%
17	9.957	1317	1320	1324	rVV2	303270	397971	12.53%	0.498%
18	10.028	1328	1332	1336	rVV	149898	221807	6.98%	0.278%
19	10.075	1336	1340	1343	rVV3	70675	129960	4.09%	0.163%
20	10.122	1343	1348	1352	rVV2	283879	417077	13.13%	0.522%
21	10.163	1352	1355	1359	rVV	264328	306844	9.66%	0.384%
22	10.239	1363	1368	1370	rBV2	262554	383577	12.07%	0.480%
23	10.263	1370	1372	1378	rVB	171847	210560	6.63%	0.264%
24	10.328	1378	1383	1389	rBV	192157	466246	14.68%	0.584%
25	10.422	1393	1399	1402	rVV3	112044	212748	6.70%	0.266%
26	10.469	1403	1407	1413	rVB2	621773	879610	27.69%	1.101%
27	10.534	1413	1418	1424	rBV3	168004	432061	13.60%	0.541%
28	10.581	1424	1426	1429	rVV2	116168	144069	4.53%	0.180%
29	10.634	1429	1435	1441	rVB4	307717	541225	17.04%	0.677%
30	10.710	1441	1448	1452	rBV2	1159936	1596729	50.26%	1.999%
31	10.834	1464	1469	1474	rVB	151409	217115	6.83%	0.272%
32	10.910	1474	1482	1485	rBV3	88767	191478	6.03%	0.240%
33	11.016	1494	1500	1503	rBV	451331	731583	23.03%	0.916%
34	11.045	1503	1505	1511	rVV	290146	402136	12.66%	0.503%
35	11.104	1511	1515	1518	rVV	247413	317196	9.98%	0.397%
36	11.169	1518	1526	1530	rVB4	101152	250888	7.90%	0.314%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
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Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.216	1530	1534	1538	rVB3	119148	158498	4.99%	0.198%
38	11.263	1538	1542	1545	rBV3	82421	121770	3.83%	0.152%
39	11.304	1545	1549	1562	rVB	308055	459330	14.46%	0.575%
40	11.410	1562	1567	1568	rBV	735419	805750	25.36%	1.009%
41	11.433	1568	1571	1576	rVB	1750862	2336371	73.54%	2.925%
42	11.486	1576	1580	1583	rBV	336527	411835	12.96%	0.516%
43	11.522	1583	1586	1589	rBV2	141770	161182	5.07%	0.202%
44	11.657	1604	1609	1615	rBV3	96417	236865	7.46%	0.296%
45	11.739	1620	1623	1628	rVB	291735	387953	12.21%	0.486%
46	11.828	1633	1638	1641	rBV	202929	261956	8.25%	0.328%
47	11.863	1641	1644	1647	rBV3	94190	127290	4.01%	0.159%
48	11.916	1648	1653	1655	rBV	922978	1307561	41.16%	1.637%
49	11.939	1655	1657	1662	rVB	1242228	1490400	46.91%	1.866%
50	11.992	1662	1666	1668	rBV	341278	461958	14.54%	0.578%
51	12.028	1668	1672	1674	rBV	1039473	1483567	46.70%	1.857%
52	12.110	1681	1686	1689	rBV4	68934	145311	4.57%	0.182%
53	12.145	1689	1692	1696	rVB	145089	170319	5.36%	0.213%
54	12.210	1696	1703	1706	rBV2	372918	649000	20.43%	0.812%
55	12.310	1713	1720	1722	rBV4	103639	232515	7.32%	0.291%
56	12.357	1722	1728	1731	rBV2	214948	379309	11.94%	0.475%
57	12.386	1731	1733	1736	rBV	216283	257342	8.10%	0.322%
58	12.463	1741	1746	1749	rBV	906097	1359257	42.79%	1.701%
59	12.504	1749	1753	1758	rVV2	713721	1511133	47.57%	1.892%
60	12.557	1758	1762	1770	rVB3	421322	905708	28.51%	1.134%
61	12.628	1770	1774	1778	rBV	1371987	1708641	53.78%	2.139%
62	12.692	1778	1785	1787	rVV2	236854	537823	16.93%	0.673%
63	12.722	1787	1790	1793	rVV2	226741	290366	9.14%	0.363%
64	12.780	1797	1800	1803	rVV	163902	220909	6.95%	0.277%
65	12.857	1807	1813	1819	rBV	2048777	3176923	100.00%	3.977%
66	12.910	1819	1822	1826	rVB2	268635	352023	11.08%	0.441%
67	12.998	1826	1837	1845	rVB	1871237	2978086	93.74%	3.728%
68	13.075	1845	1850	1857	rBV3	594351	1088876	34.27%	1.363%
69	13.133	1857	1860	1862	rBV2	165189	214314	6.75%	0.268%
70	13.180	1862	1868	1873	rVB	840925	1704942	53.67%	2.134%
71	13.251	1873	1880	1883	rBV2	579186	947813	29.83%	1.186%
72	13.292	1883	1887	1894	rVB2	735698	1018502	32.06%	1.275%
73	13.380	1899	1902	1905	rVV	615227	819921	25.81%	1.026%
74	13.416	1905	1908	1912	rVB	653742	799084	25.15%	1.000%
75	13.498	1918	1922	1926	rVB3	139894	205061	6.45%	0.257%
76	13.592	1930	1938	1947	rVV2	360704	1167840	36.76%	1.462%

LSC Area Percent Report

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Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.692	1947	1955	1960	rBV2	380132	1009287	31.77%	1.263%
78	13.757	1963	1966	1969	rVB	147843	155601	4.90%	0.195%
79	13.804	1969	1974	1977	rBV3	338579	698513	21.99%	0.874%
80	14.051	2011	2016	2019	rBV2	1733112	2915256	91.76%	3.649%
81	14.080	2019	2021	2028	rVB	1219610	1711987	53.89%	2.143%
82	14.139	2028	2031	2035	rBV	175397	204383	6.43%	0.256%
83	14.374	2068	2071	2074	rBV2	148265	210796	6.64%	0.264%
84	14.410	2074	2077	2078	rVV	249172	298460	9.39%	0.374%
85	14.445	2078	2083	2086	rVV	1014621	1712580	53.91%	2.144%
86	14.474	2086	2088	2092	rVV	655905	881980	27.76%	1.104%
87	14.533	2092	2098	2101	rVV3	488012	1129038	35.54%	1.413%
88	14.569	2101	2104	2112	rVV4	617629	1274141	40.11%	1.595%
89	14.639	2113	2116	2120	rVB3	232557	303204	9.54%	0.380%
90	14.833	2146	2149	2151	rBV	158861	197954	6.23%	0.248%
91	14.869	2152	2155	2159	rVB2	320547	450153	14.17%	0.563%
92	14.916	2160	2163	2164	rBV	125294	143524	4.52%	0.180%
93	14.945	2165	2168	2175	rVB2	193607	318236	10.02%	0.398%
94	15.104	2189	2195	2203	rBV	763428	1812777	57.06%	2.269%
95	15.210	2210	2213	2218	rVB	219387	294921	9.28%	0.369%
96	15.410	2243	2247	2252	rVB	581874	847693	26.68%	1.061%
97	15.474	2253	2258	2263	rBV	862065	1329748	41.86%	1.665%
98	15.539	2264	2269	2273	rBV	781302	1293846	40.73%	1.620%
99	17.021	2516	2521	2531	rVB2	276448	643728	20.26%	0.806%
100	17.474	2593	2598	2609	rVB	262910	583825	18.38%	0.731%

Sum of corrected areas: 79887147

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
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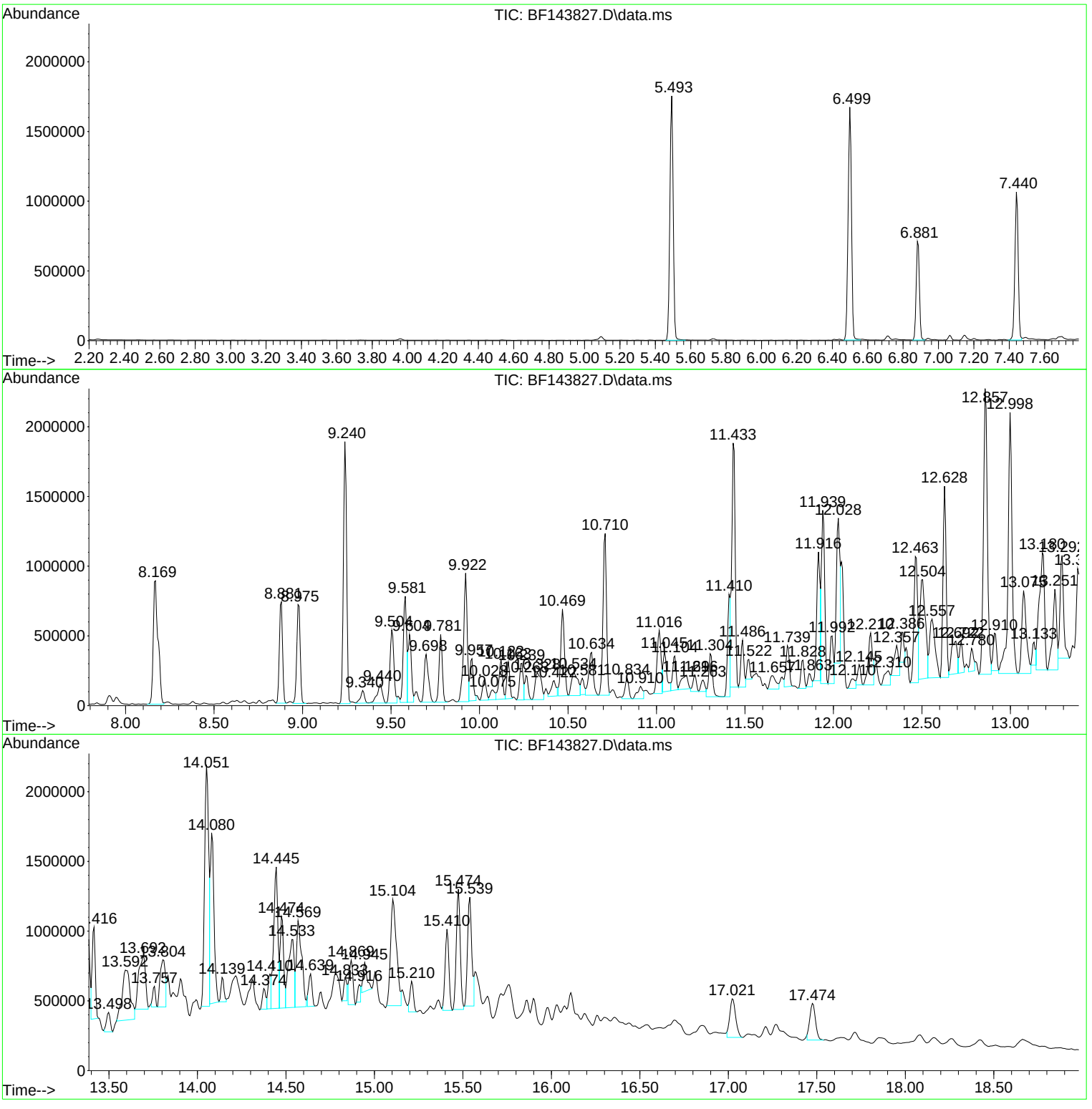
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

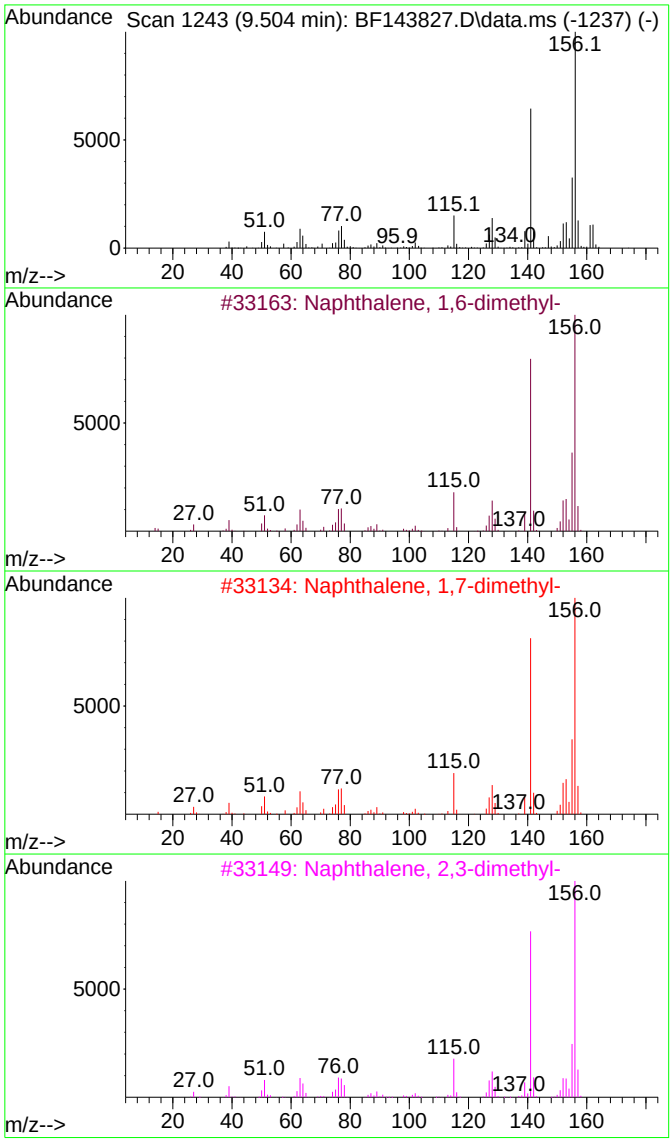
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

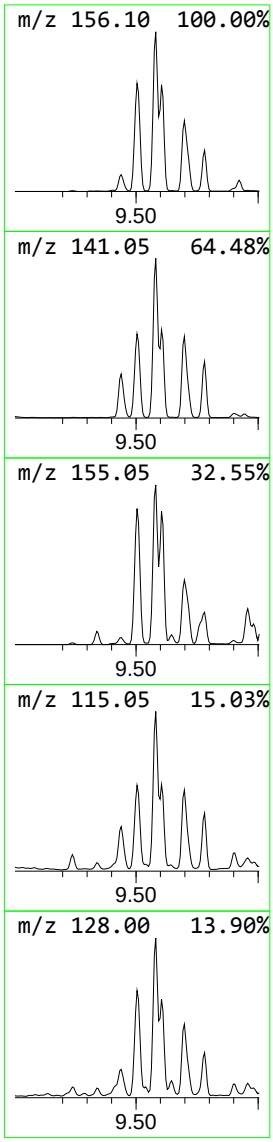
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	12.32 ng	811988	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

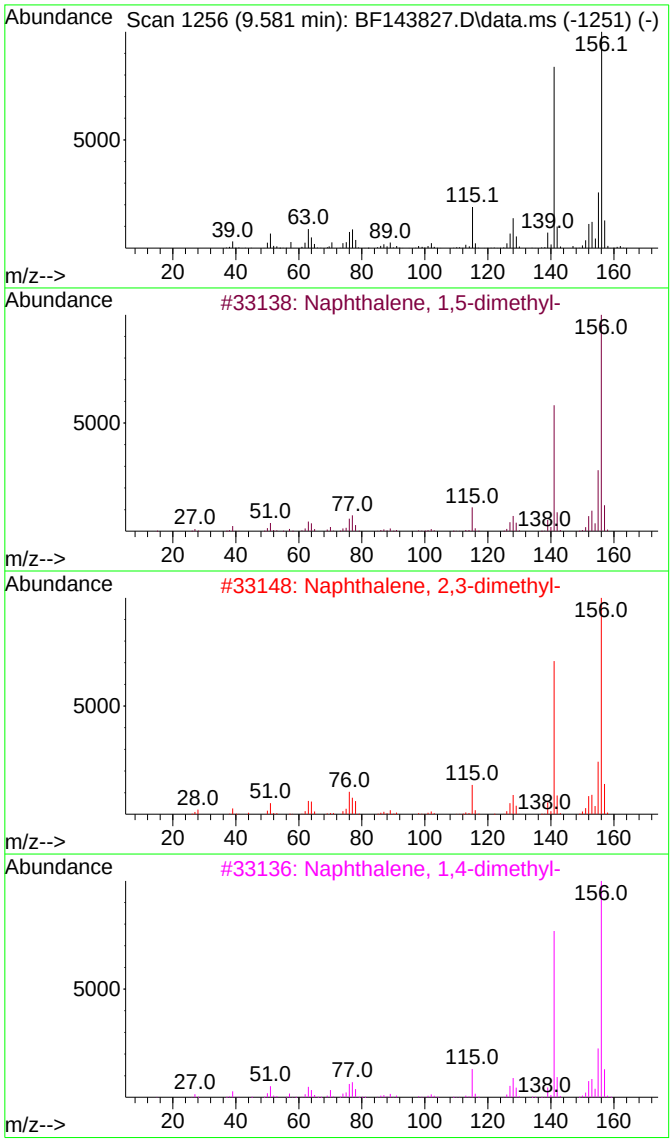
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

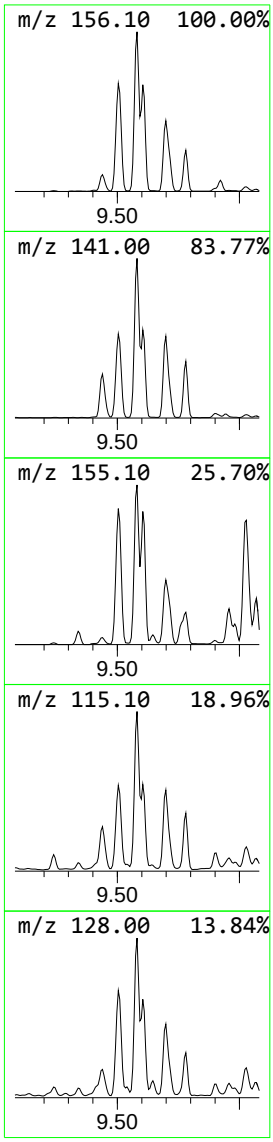
****

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	15.75 ng	1038290	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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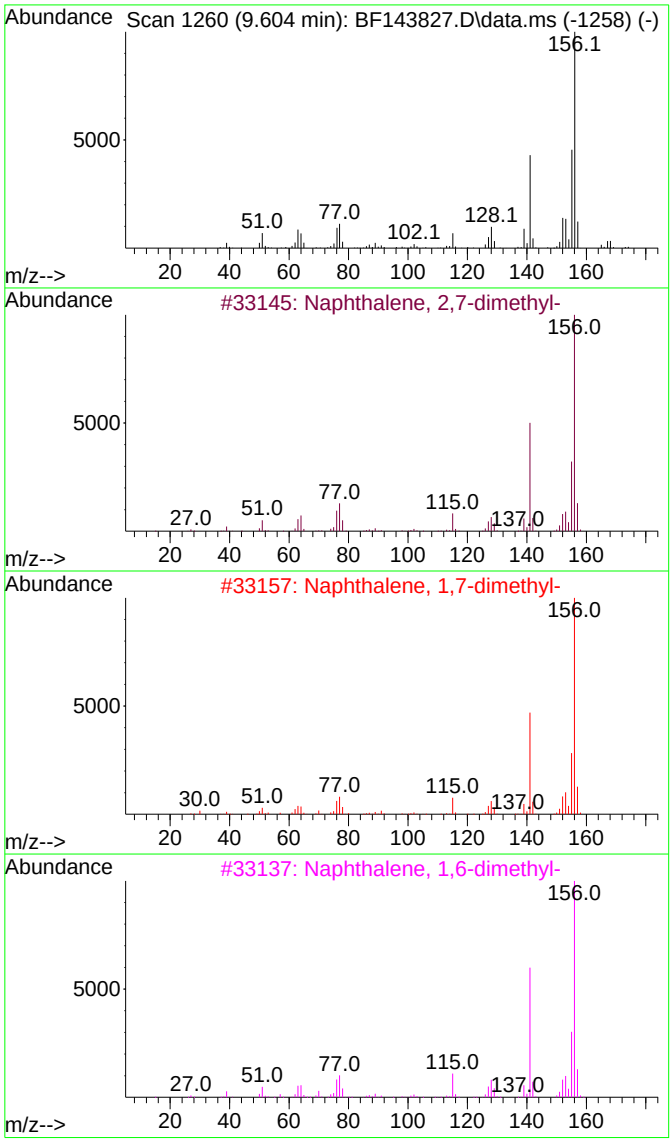
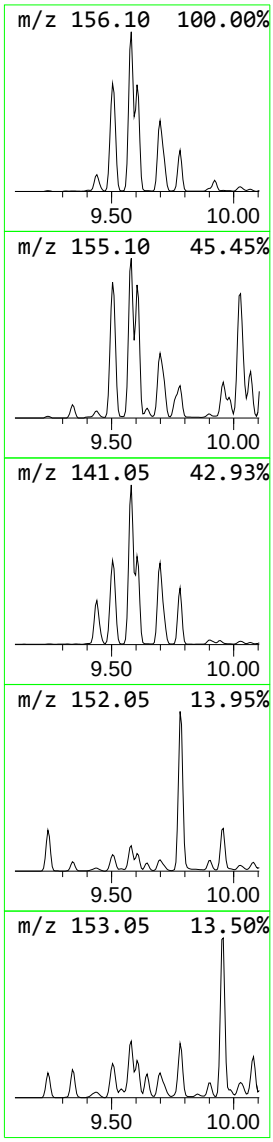
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	8.98 ng	592278	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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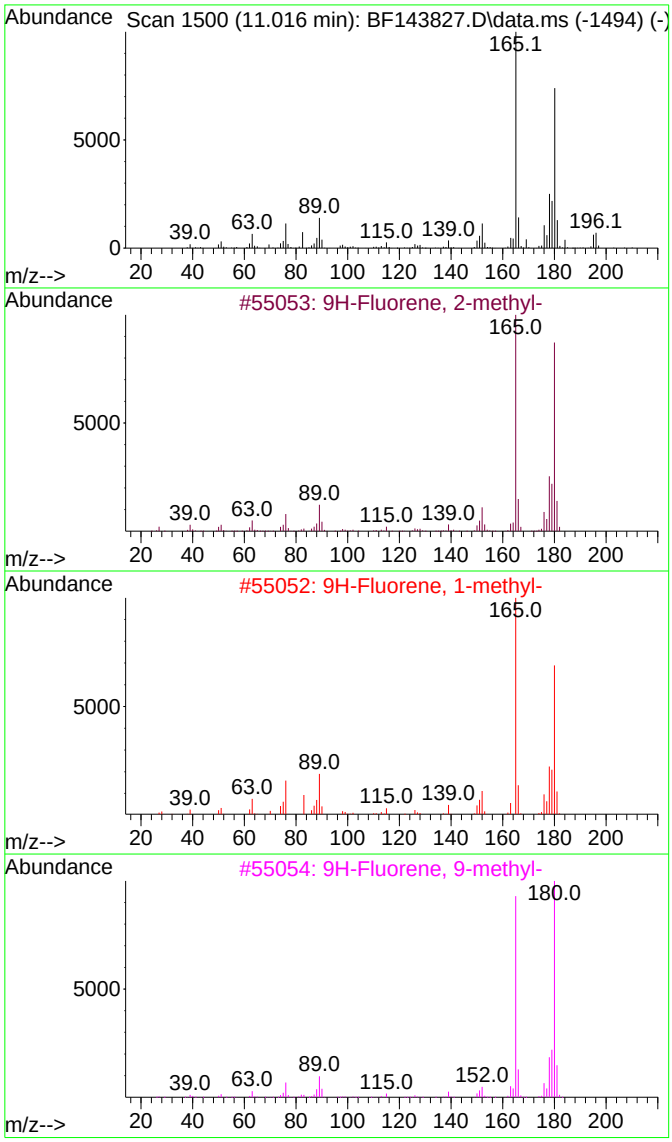
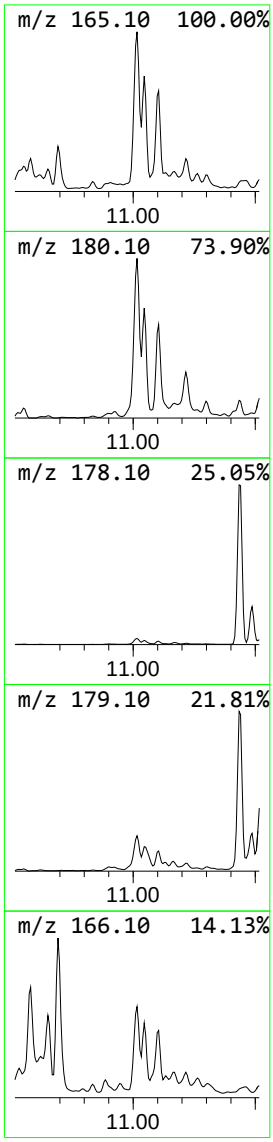
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.016	18.16 ng	731583	Phenanthrene-d10	11.410

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, 9-methyl-	180	C14H12	002523-37-7	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

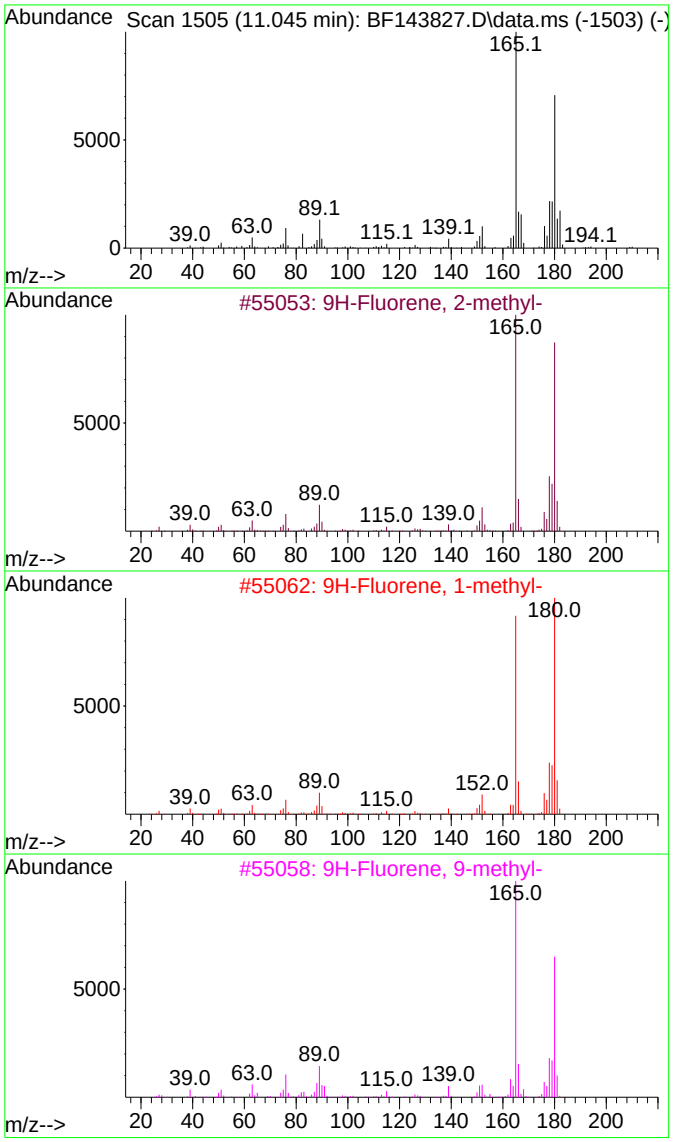
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

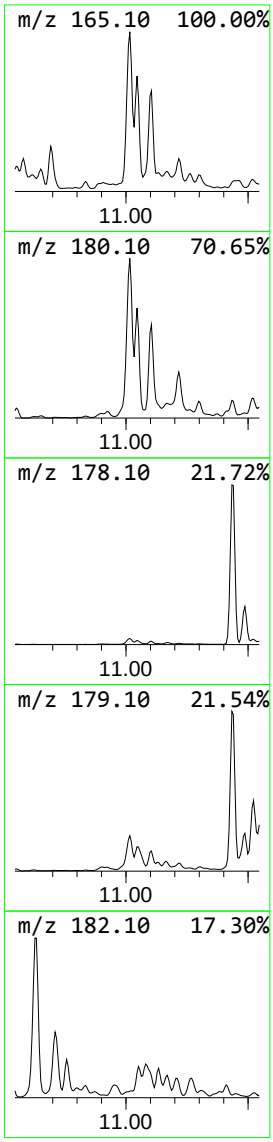
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.045	9.98 ng	402136	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-4

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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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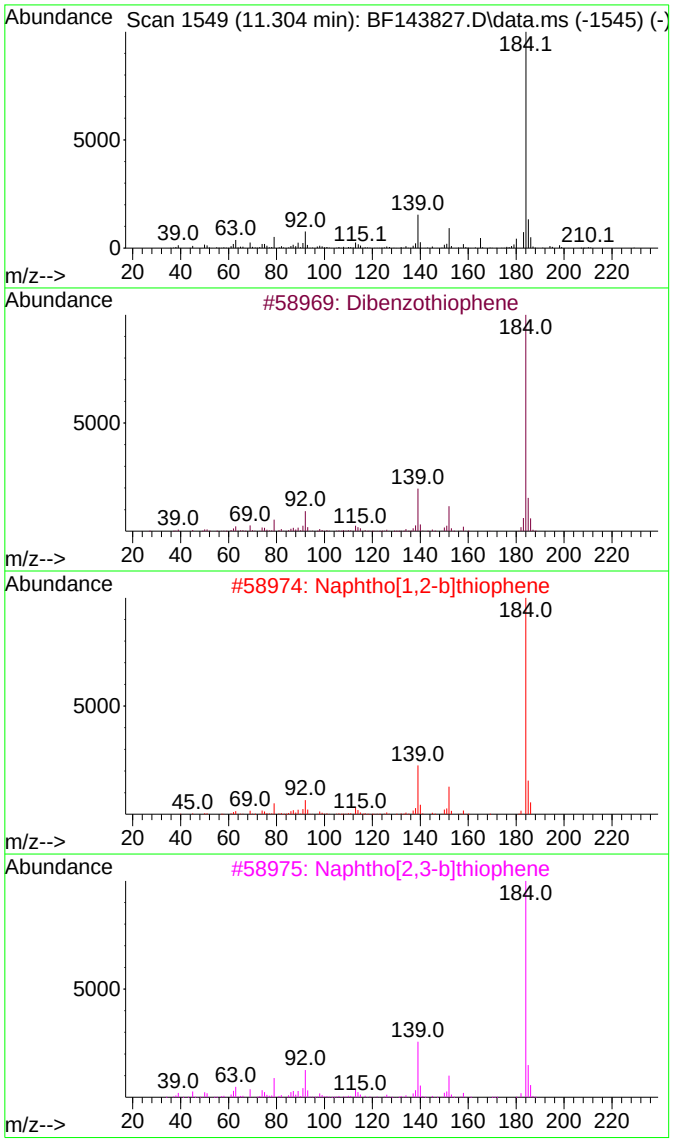
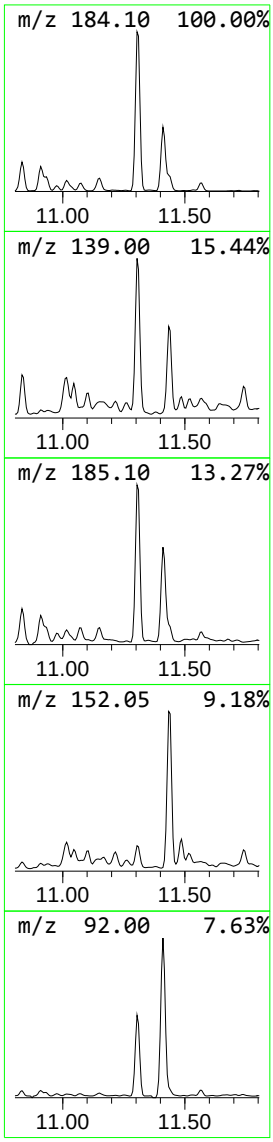
Peak Number 6 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	11.40 ng	459330	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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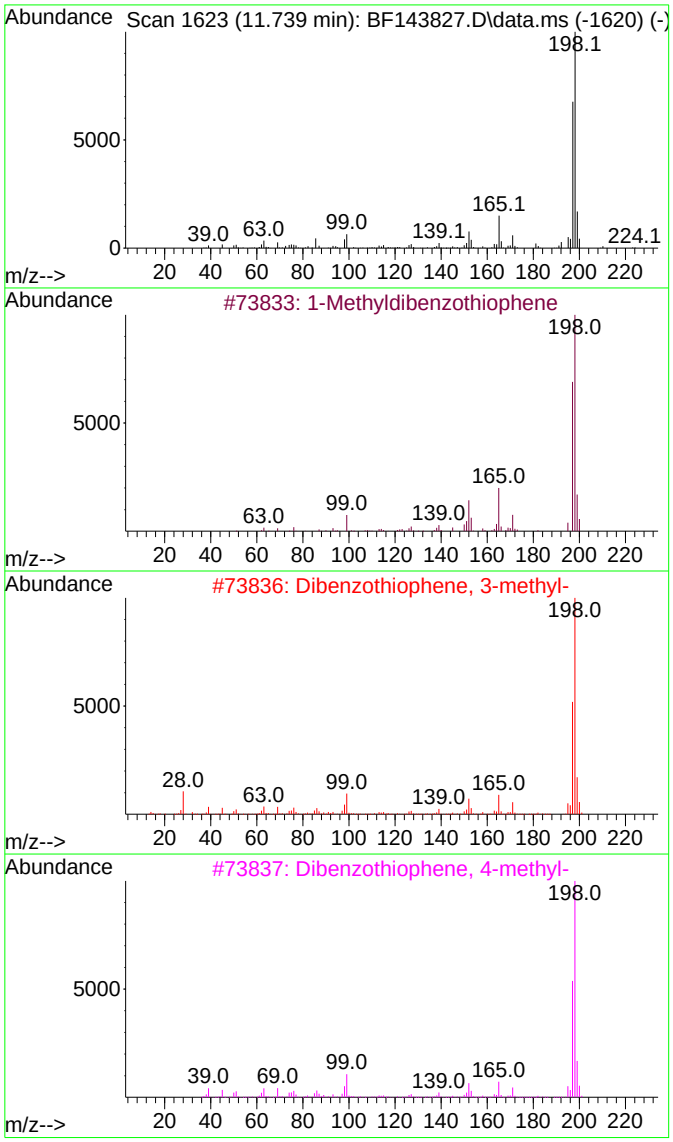
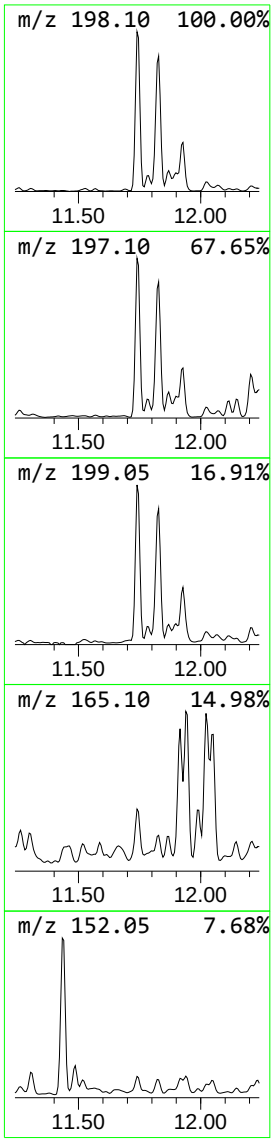
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.739	9.63 ng	387953	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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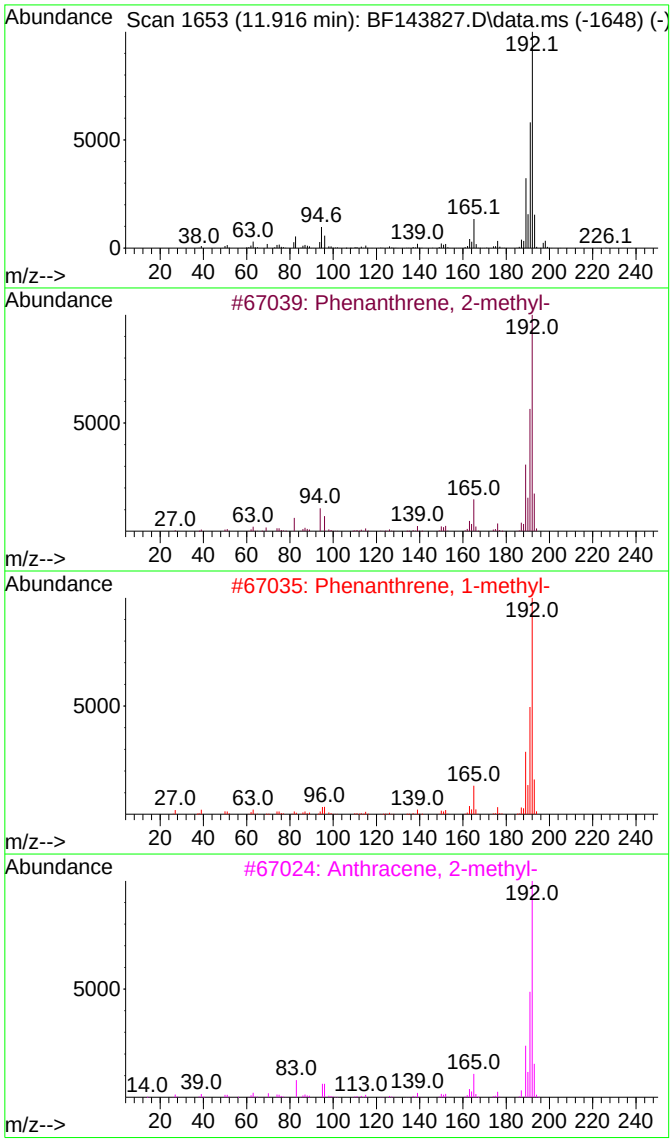
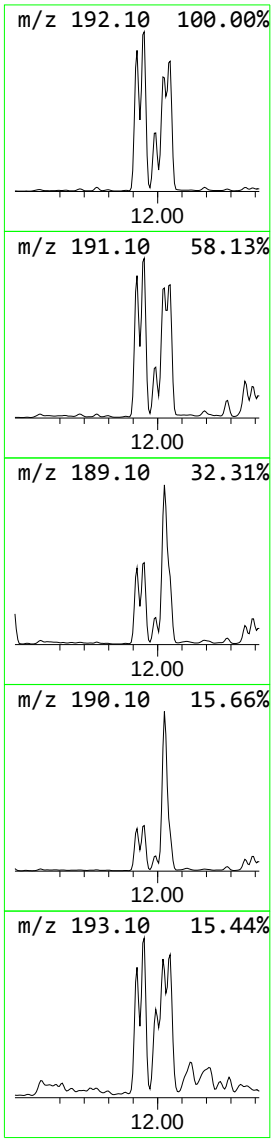
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	32.46 ng	1307560	Phenanthrene-d10	11.410

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





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Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
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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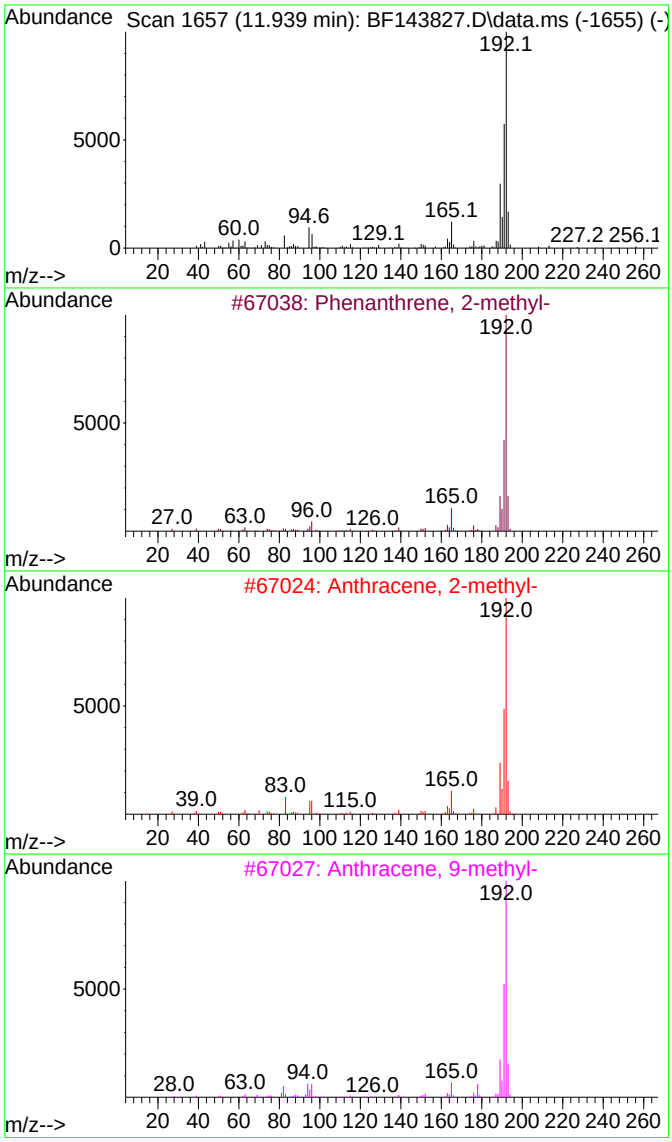
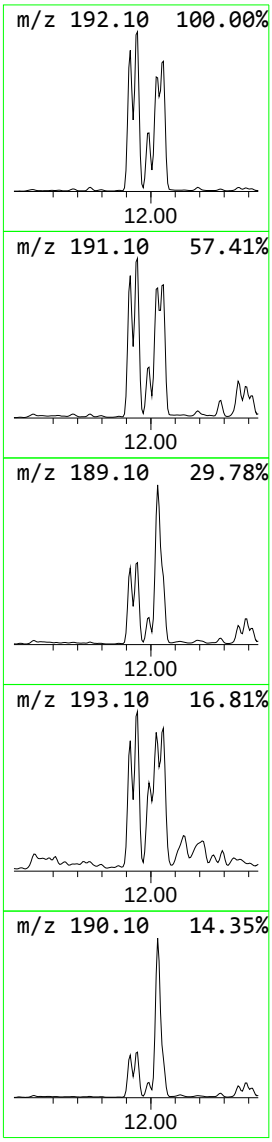
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	36.99 ng	1490400	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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ALS Vial : 9 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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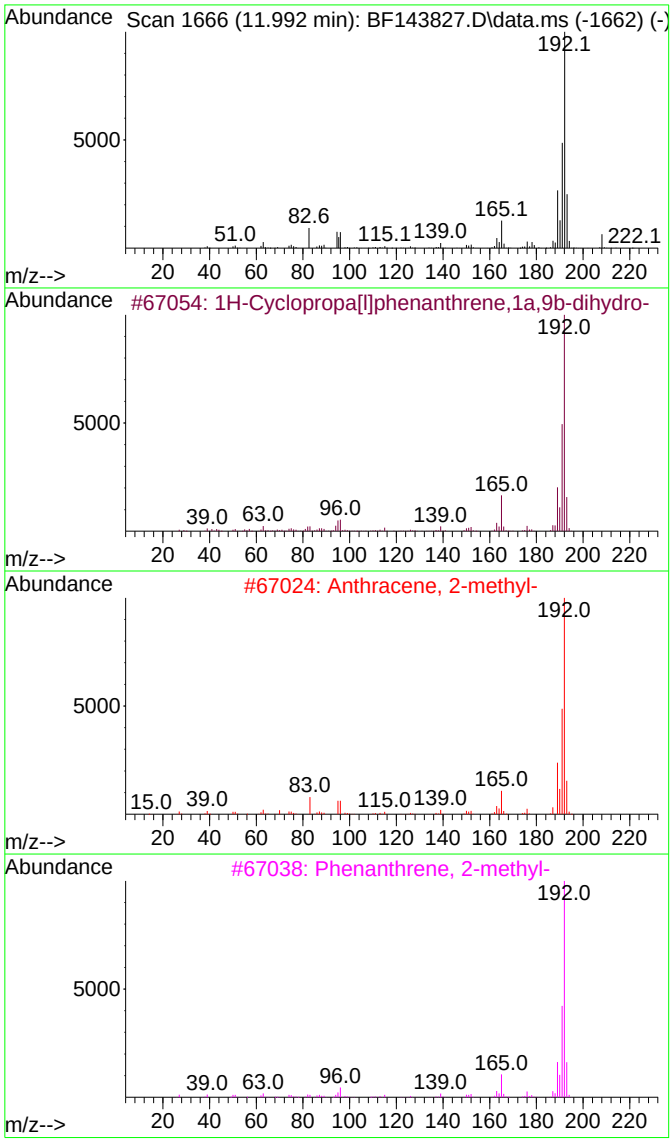
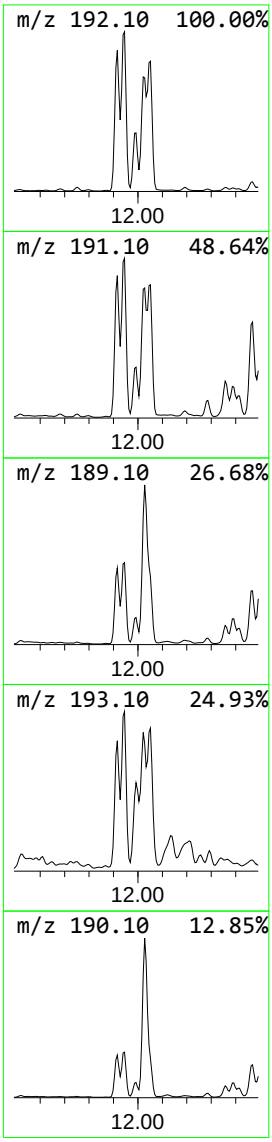
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	11.47 ng	461958	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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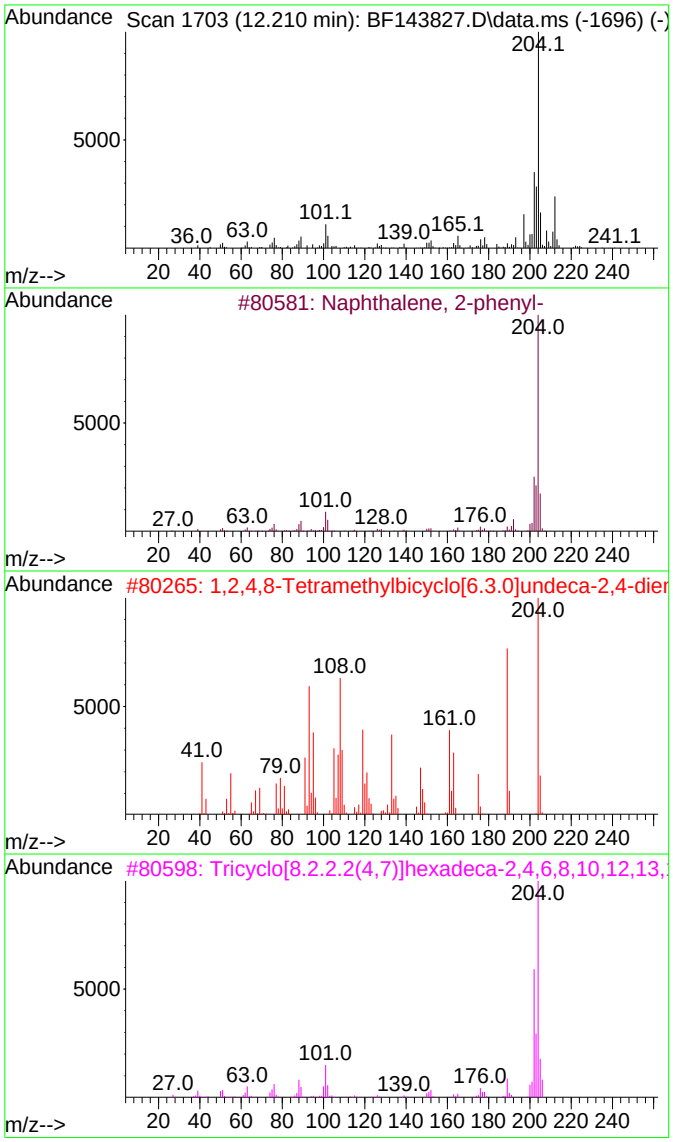
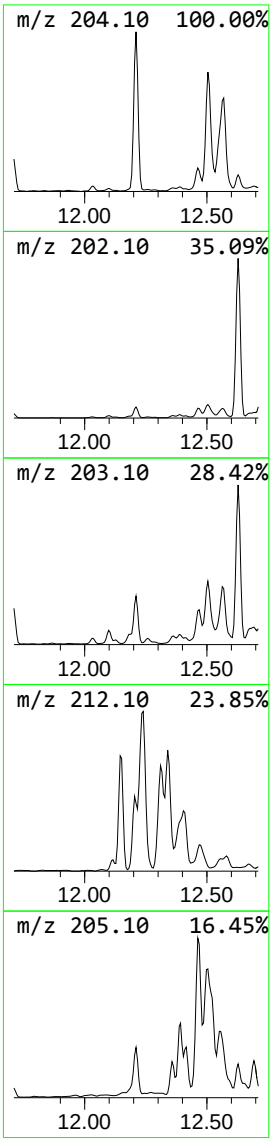
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	16.11 ng	649000	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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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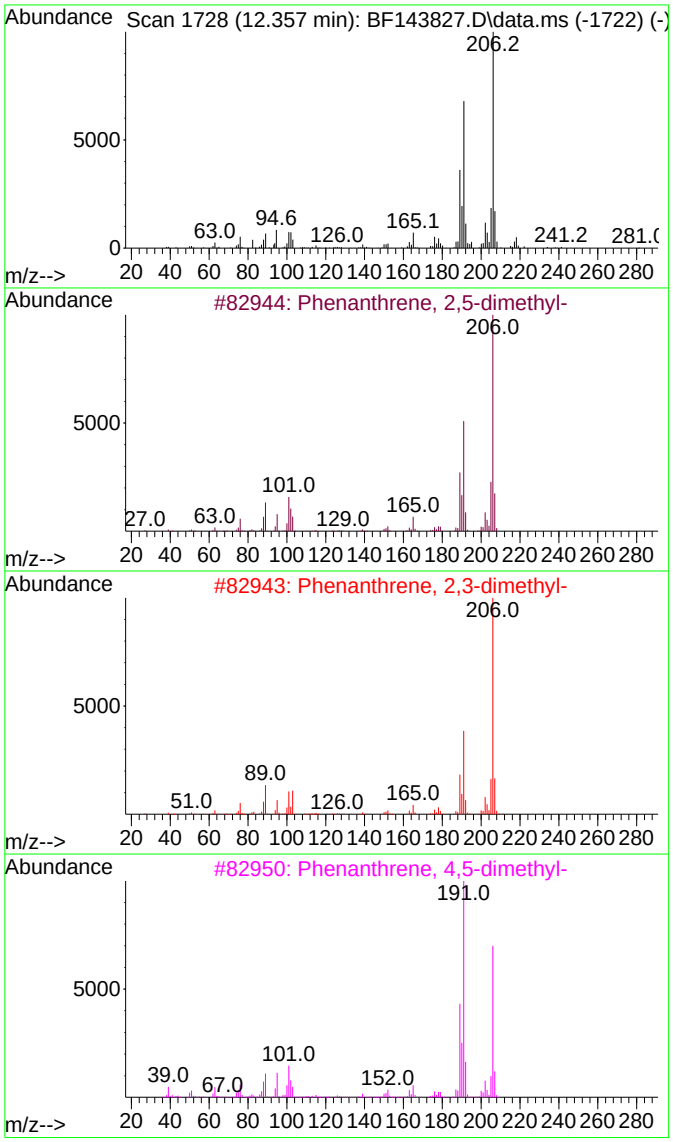
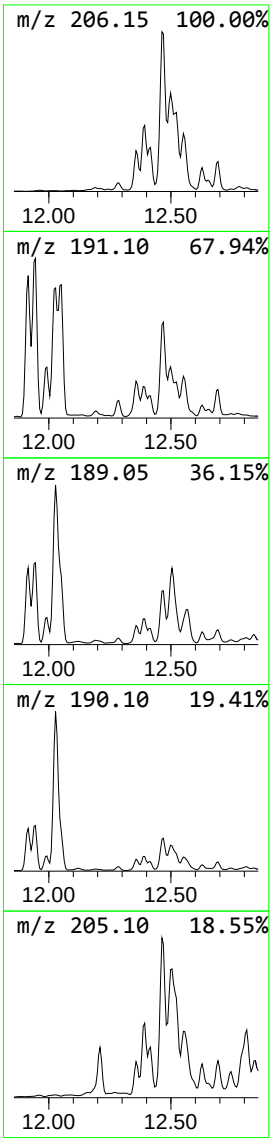
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	9.42 ng	379309	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





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ALS Vial : 9 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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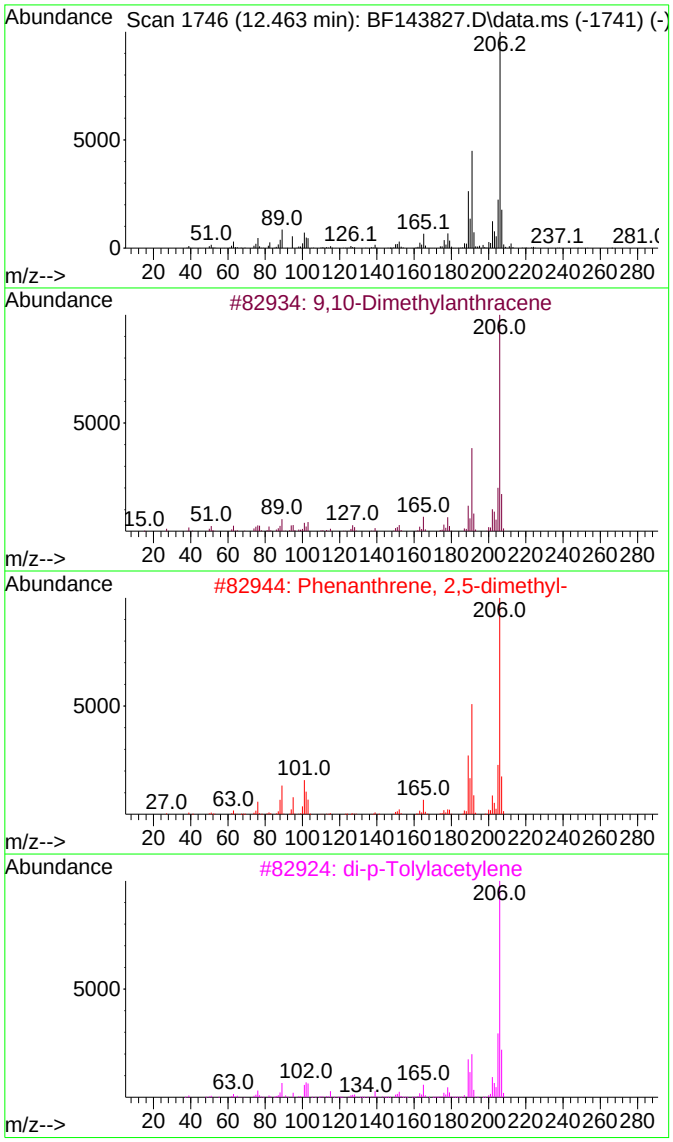
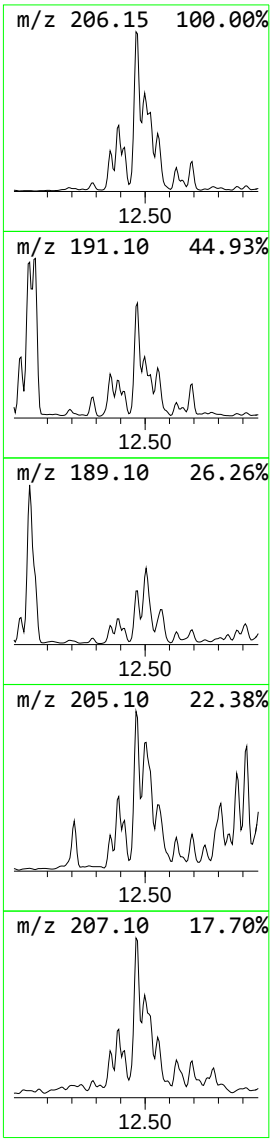
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	33.74 ng	1359260	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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ALS Vial : 9 Sample Multiplier: 1

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

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

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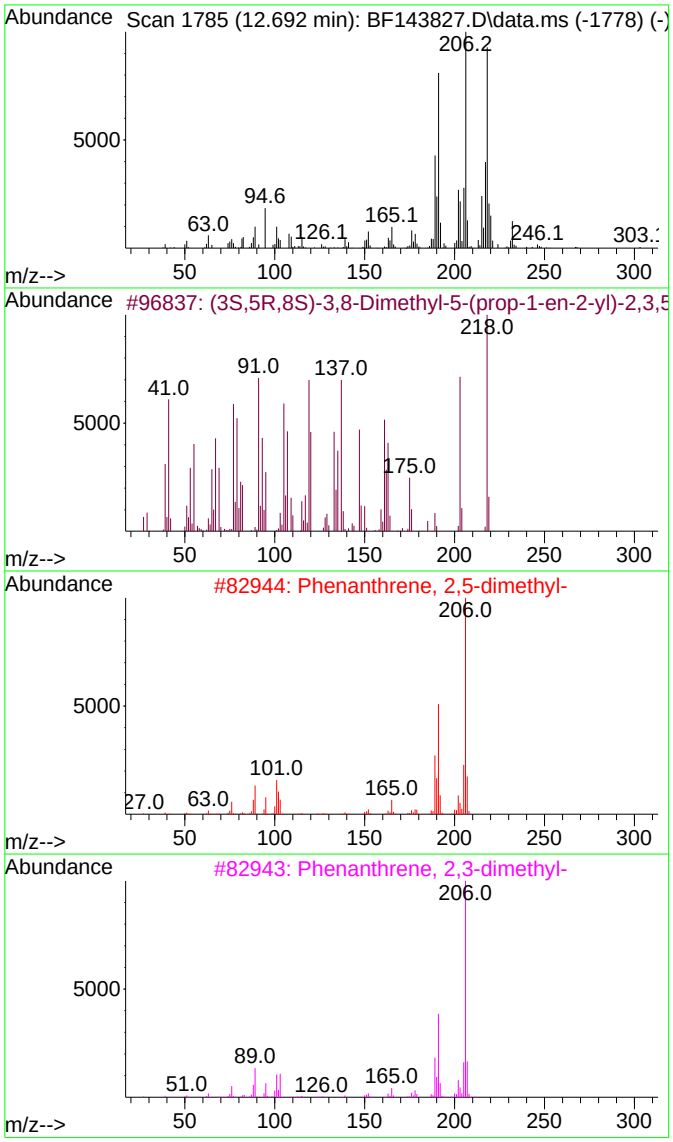
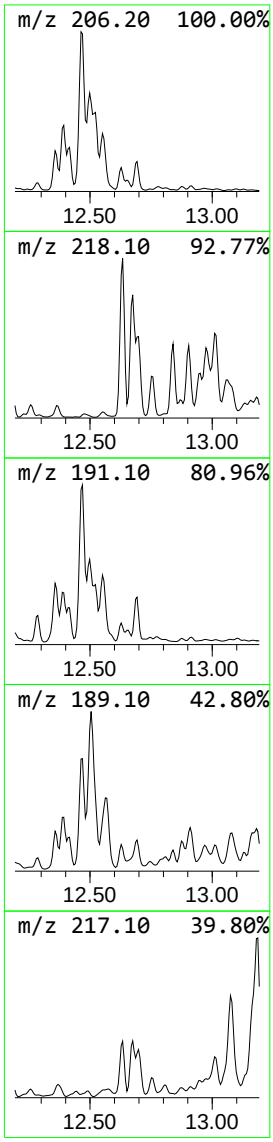
Peak Number 17 (3S,5R,8S)-3,8-Dimethyl-5-(... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.692	13.35 ng	537823	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3S,5R,8S)-3,8-Dimethyl-5-(prop-...	218	C15H22O	018374-76-0	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	43
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	42





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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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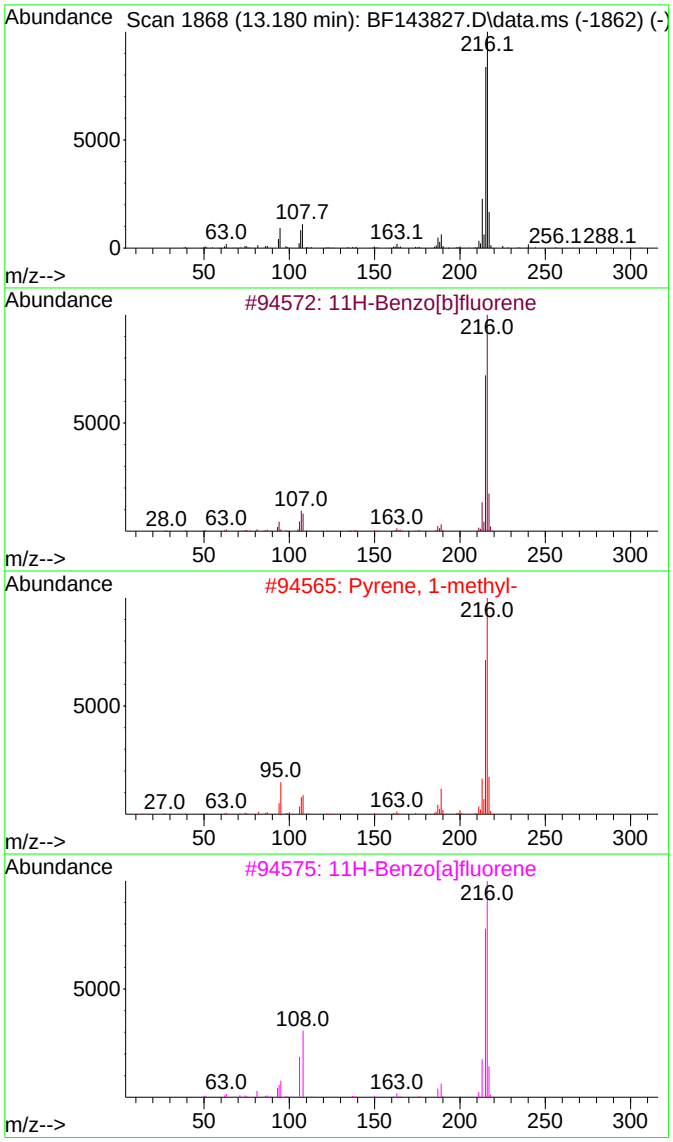
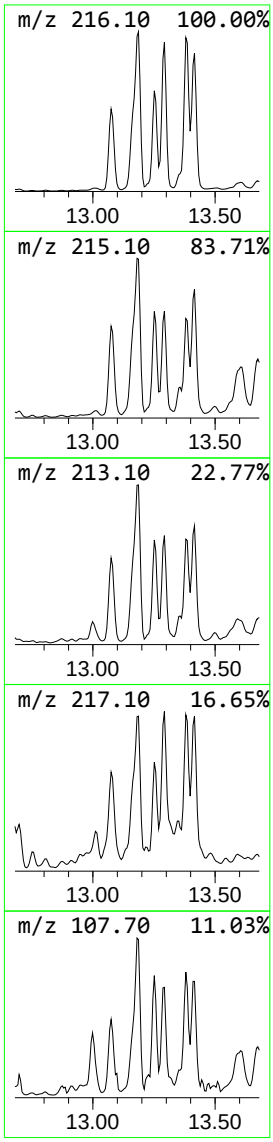
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	11.70 ng	1704940	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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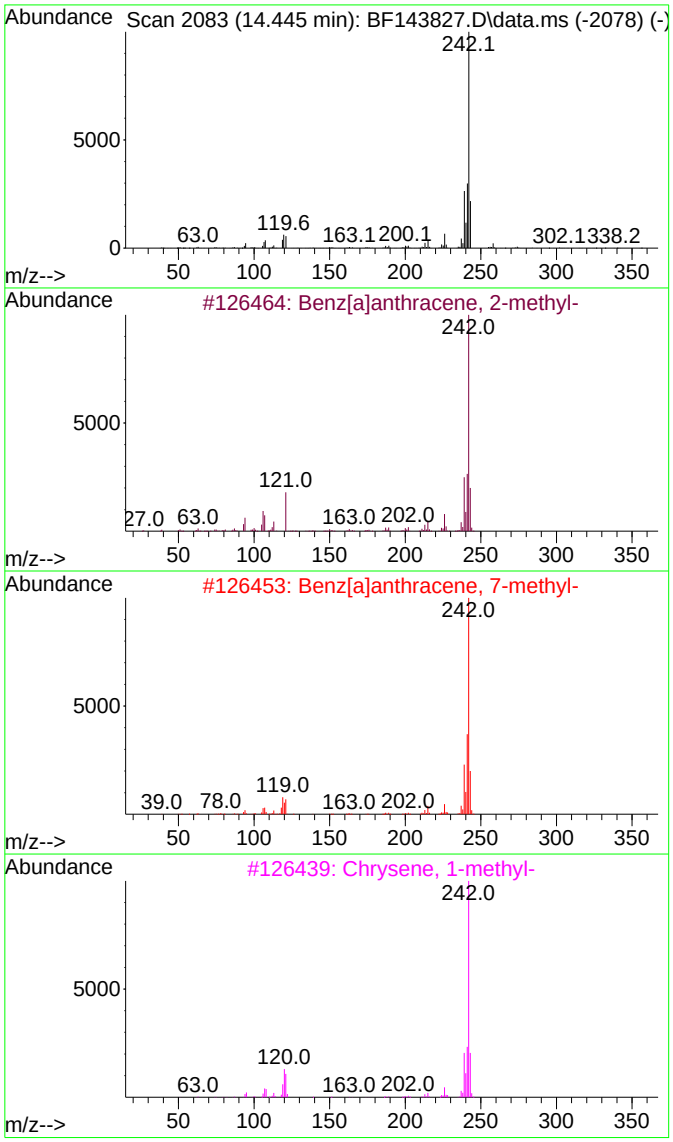
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

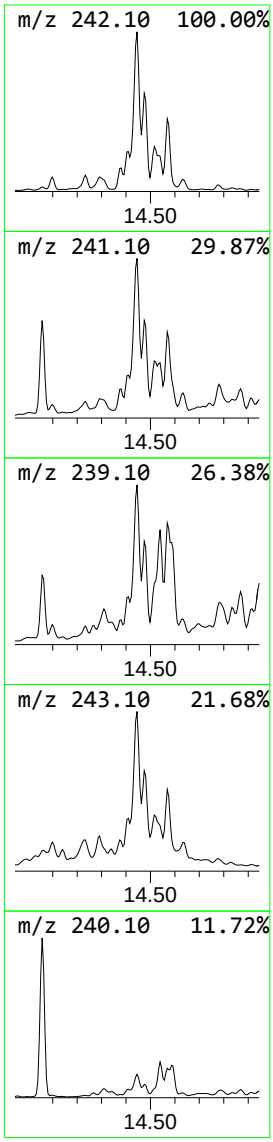
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benz[a]anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.445	11.75 ng	1712580	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

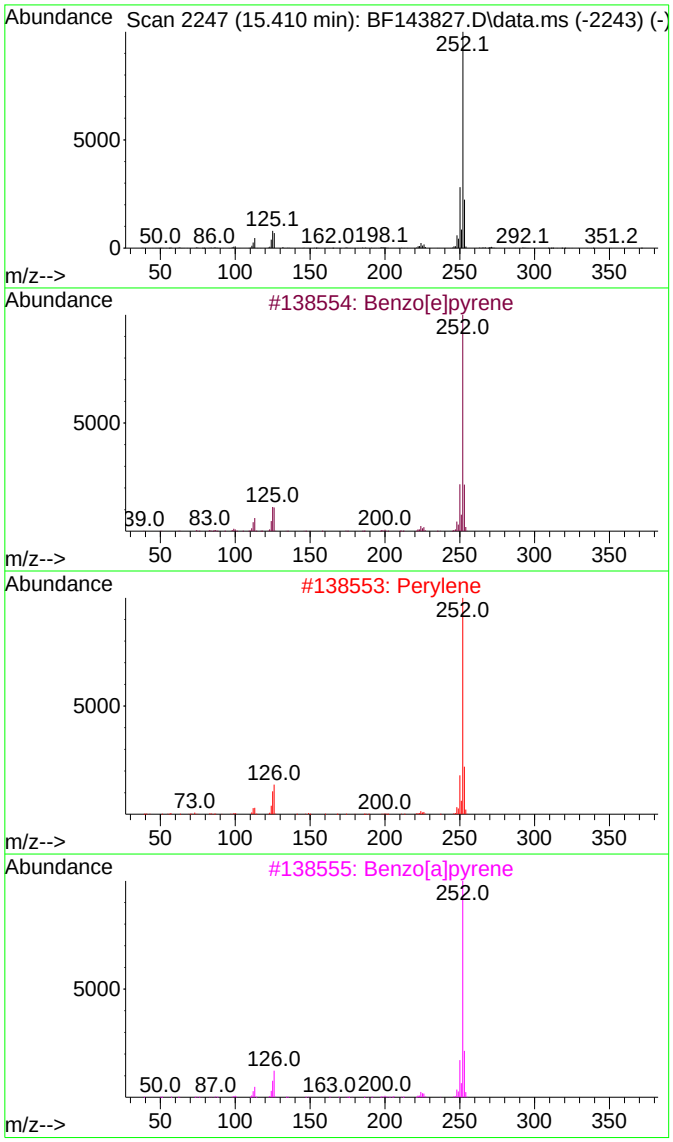
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

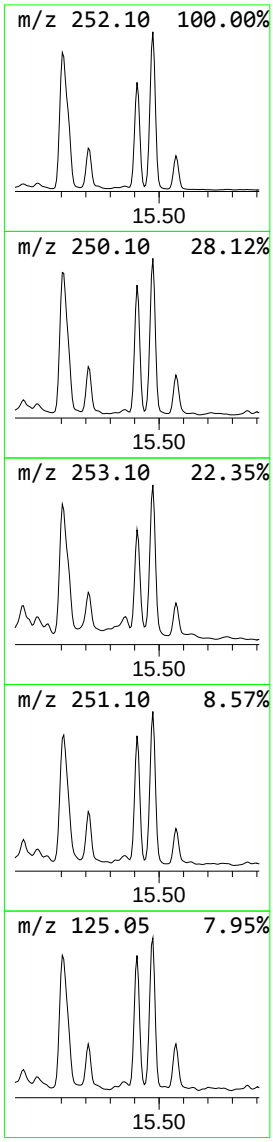
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	13.10 ng	847693	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143827.D
Acq On : 29 Sep 2025 17:42
Operator : RC/JU
Sample : Q3231-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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,...	9.504	12.3	ng	811988	3	9.922	1318470	20.0
Naphthalene, 1,...	9.581	15.8	ng	1038290	3	9.922	1318470	20.0
Naphthalene, 2,...	9.604	9.0	ng	592278	3	9.922	1318470	20.0
9H-Fluorene, 2-...	11.016	18.2	ng	731583	4	11.410	805750	20.0
9H-Fluorene, 1-...	11.045	10.0	ng	402136	4	11.410	805750	20.0
Dibenzothiophene	11.304	11.4	ng	459330	4	11.410	805750	20.0
1-Methyldibenzo...	11.739	9.6	ng	387953	4	11.410	805750	20.0
Phenanthrene, 2...	11.916	32.5	ng	1307560	4	11.410	805750	20.0
Anthracene, 2-m...	11.939	37.0	ng	1490400	4	11.410	805750	20.0
1H-Cyclopropa[l...	11.992	11.5	ng	461958	4	11.410	805750	20.0
Naphthalene, 2-...	12.210	16.1	ng	649000	4	11.410	805750	20.0
Phenanthrene, 2...	12.357	9.4	ng	379309	4	11.410	805750	20.0
9,10-Dimethylan...	12.463	33.7	ng	1359260	4	11.410	805750	20.0
(3S,5R,8S)-3,8-...	12.692	13.4	ng	537823	4	11.410	805750	20.0
11H-Benzo[b]flu...	13.180	11.7	ng	1704940	5	14.057	2915260	20.0
Benz[a]anthrace...	14.445	11.8	ng	1712580	5	14.057	2915260	20.0
Benzo[e]pyrene	15.410	13.1	ng	847693	6	15.539	1293850	20.0