LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	23	rVB	390136	468869	13.54%	1.000%
2	5.451	567	572	575	rBV	3255625	3295770	95.21%	7.033%
3	6.451	737	742	745	rBV	2950565	3234894	93.45%	6.903%
4	6.822	802	805	809	rBV	1125098	961308	27.77%	2.051%
5	7.387	896	901	904	rBV	2378921	1952874	56.41%	4.167%
6	8.104	1019	1023	1025	rBV	1684226	1287229	37.19%	2.747%
7	8.122	1025	1026	1030	rVB	327123	220853	6.38%	0.471%
8	8.816	1141	1144	1147	rVB	365595	265821	7.68%	0.567%
9	8.916	1156	1161	1164	rVB	352414	281635	8.14%	0.601%
10	9.186	1203	1207	1210	rVB	3854057	3461686	100.00%	7.387%
11	9.445	1246	1251	1255	rBV2	191015	253130	7.31%	0.540%
12	9.516	1259	1263	1266	rVV	323126	328803	9.50%	0.702%
13	9.545	1266	1268	1272	rVV	209472	177814	5.14%	0.379%
14	9.633	1281	1283	1289	rVV	160240	173619	5.02%	0.370%
15	9.722	1293	1298	1303	rVV	309829	279117	8.06%	0.596%
16	9.863	1316	1322	1325	rBV	1449304	1293867	37.38%	2.761%
17	9.892	1325	1327	1331	rVB2	85594	82415	2.38%	0.176%
18	9.969	1336	1340	1344	rBV	87709	100592	2.91%	0.215%
19	10.063	1350	1356	1360	rVB2	170266	180939	5.23%	0.386%
20	10.104	1360	1363	1365	rBV	148620	103736	3.00%	0.221%
21	10.180	1371	1376	1378	rBV2	119301	126342	3.65%	0.270%
22	10.269	1387	1391	1393	rBV3	85285	106873	3.09%	0.228%
23	10.357	1401	1406	1409	rBV4	49286	76627	2.21%	0.164%
24	10.410	1412	1415	1421	rVV	318898	311815	9.01%	0.665%
25	10.475	1421	1426	1428	rVV3	63478	79664	2.30%	0.170%
26	10.522	1432	1434	1439	rVV2	69624	78768	2.28%	0.168%
27	10.569	1439	1442	1448	rVV3	86023	118228	3.42%	0.252%
28	10.651	1450	1456	1460	rVV	2046672	1753672	50.66%	3.742%
29	10.775	1475	1477	1483	rVB3	90410	112402	3.25%	0.240%
30	10.957	1503	1508	1511	rBV2	128490	177071	5.12%	0.378%
31	10.986	1511	1513	1517	rVV2	111944	102321	2.96%	0.218%
32	11.157	1538	1542	1546	rVV	121415	138176	3.99%	0.295%
33	11.245	1552	1557	1565	rVB	307065	325527	9.40%	0.695%
34	11.351	1572	1575	1577	rBV	1181678	1006552	29.08%	2.148%
35	11.375	1577	1579	1583	rVV	1743864	1449943	41.89%	3.094%
36	11.427	1583	1588	1591	rVV	314308	254322	7.35%	0.543%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.463	1591	1594	1597	rBV2	71753	85806	2.48%	0.183%
38	11.657	1624	1627	1629	rBV2	90769	87911	2.54%	0.188%
39	11.686	1629	1632	1635	rVB	264297	231256	6.68%	0.493%
40	11.769	1643	1646	1650	rVB	192748	228925	6.61%	0.488%
41	11.857	1658	1661	1663	rVV	508920	458811	13.25%	0.979%
42	11.886	1663	1666	1670	rVV	584857	567697	16.40%	1.211%
43	11.933	1670	1674	1676	rVV2	134663	135915	3.93%	0.290%
44	11.969	1676	1680	1682	rVV2	610119	647071	18.69%	1.381%
45	11.992	1682	1684	1689	rVB	375695	303505	8.77%	0.648%
46	12.069	1690	1697	1699	rBV4	49016	103938	3.00%	0.222%
47	12.092	1699	1701	1703	rVB2	106717	80090	2.31%	0.171%
48	12.157	1709	1712	1714	rBV	262413	255553	7.38%	0.545%
49	12.174	1714	1715	1723	rVB2	130347	153755	4.44%	0.328%
50	12.257	1723	1729	1731	rBV4	60427	114996	3.32%	0.245%
51	12.333	1740	1742	1744	rBV	120737	94340	2.73%	0.201%
52	12.357	1744	1746	1749	rVB2	125367	105612	3.05%	0.225%
53	12.410	1749	1755	1758	rBV	393399	435601	12.58%	0.929%
54	12.445	1758	1761	1763	rBV3	183555	188214	5.44%	0.402%
55	12.463	1763	1764	1767	rVB	111443	77084	2.23%	0.164%
56	12.492	1767	1769	1774	rBV3	161668	212542	6.14%	0.454%
57	12.569	1779	1782	1787	rBV	1522552	1345855	38.88%	2.872%
58	12.622	1788	1791	1792	rBV	107988	96293	2.78%	0.205%
59	12.663	1795	1798	1802	rBV2	108587	103662	2.99%	0.221%
60	12.722	1806	1808	1812	rBV3	155408	141229	4.08%	0.301%
61	12.804	1816	1822	1824	rBV	1827179	1882473	54.38%	4.017%
62	12.857	1829	1831	1835	rVB3	114518	129381	3.74%	0.276%
63	12.916	1839	1841	1843	rBV2	82326	76631	2.21%	0.164%
64	12.951	1843	1847	1850	rVV	3198399	2742831	79.23%	5.853%
65	13.021	1854	1859	1862	rBV4	211197	298397	8.62%	0.637%
66	13.074	1866	1868	1871	rBV2	83250	78559	2.27%	0.168%
67	13.110	1871	1874	1875	rVV2	179481	205624	5.94%	0.439%
68	13.127	1875	1877	1881	rVB	346829	357295	10.32%	0.762%
69	13.174	1881	1885	1887	rBV3	89165	115982	3.35%	0.247%
70	13.198	1887	1889	1892	rVV	332366	259749	7.50%	0.554%
71	13.233	1892	1895	1899	rVV	378907	360708	10.42%	0.770%
72	13.327	1908	1911	1914	rVV	304973	251092	7.25%	0.536%
73	13.357	1914	1916	1920	rVV	275003	247280	7.14%	0.528%
74	13.539	1944	1947	1952	rVB3	94220	142669	4.12%	0.304%
75	13.639	1958	1964	1969	rVB2	151789	260425	7.52%	0.556%
76	13.751	1978	1983	1986	rBV2	285096	356614	10.30%	0.761%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.780	1986	1988	1990	rVV	182510	153591	4.44%	0.328%
78	13.804	1990	1992	1995	rVV2	127661	123243	3.56%	0.263%
79	13.845	1995	1999	2002	rVB2	77048	113402	3.28%	0.242%
80	13.921	2010	2012	2019	rVB	117895	160504	4.64%	0.342%
81	14.004	2021	2026	2029	rBV2	1439444	2080683	60.11%	4.440%
82	14.033	2029	2031	2033	rVB	867084	634633	18.33%	1.354%
83	14.092	2038	2041	2043	rBV	86705	84780	2.45%	0.181%
84	14.145	2048	2050	2052	rVV2	107392	117725	3.40%	0.251%
85	14.192	2056	2058	2061	rVB3	100232	92749	2.68%	0.198%
86	14.263	2068	2070	2073	rVB	99841	83341	2.41%	0.178%
87	14.392	2088	2092	2095	rVV	292836	361457	10.44%	0.771%
88	14.427	2095	2098	2101	rVV	189810	184259	5.32%	0.393%
89	14.463	2102	2104	2106	rVV2	78377	85719	2.48%	0.183%
90	14.486	2106	2108	2111	rVV3	176407	207099	5.98%	0.442%
91	14.521	2111	2114	2116	rVV	160094	192870	5.57%	0.412%
92	14.539	2116	2117	2121	rVB3	131662	121639	3.51%	0.260%
93	15.057	2200	2205	2208	rBV	510440	827161	23.89%	1.765%
94	15.163	2220	2223	2228	rVB2	167558	191930	5.54%	0.410%
95	15.363	2253	2257	2263	rVB	335851	405343	11.71%	0.865%
96	15.427	2264	2268	2272	rVB	529889	594953	17.19%	1.270%
97	15.492	2275	2279	2282	rBV	629961	727637	21.02%	1.553%
98	15.521	2282	2284	2288	rVB	93040	93750	2.71%	0.200%
99	16.992	2528	2534	2543	rVB2	145318	315191	9.11%	0.673%
100	17.445	2606	2611	2622	rVB	128384	265793	7.68%	0.567%

Sum of corrected areas: 46864097

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
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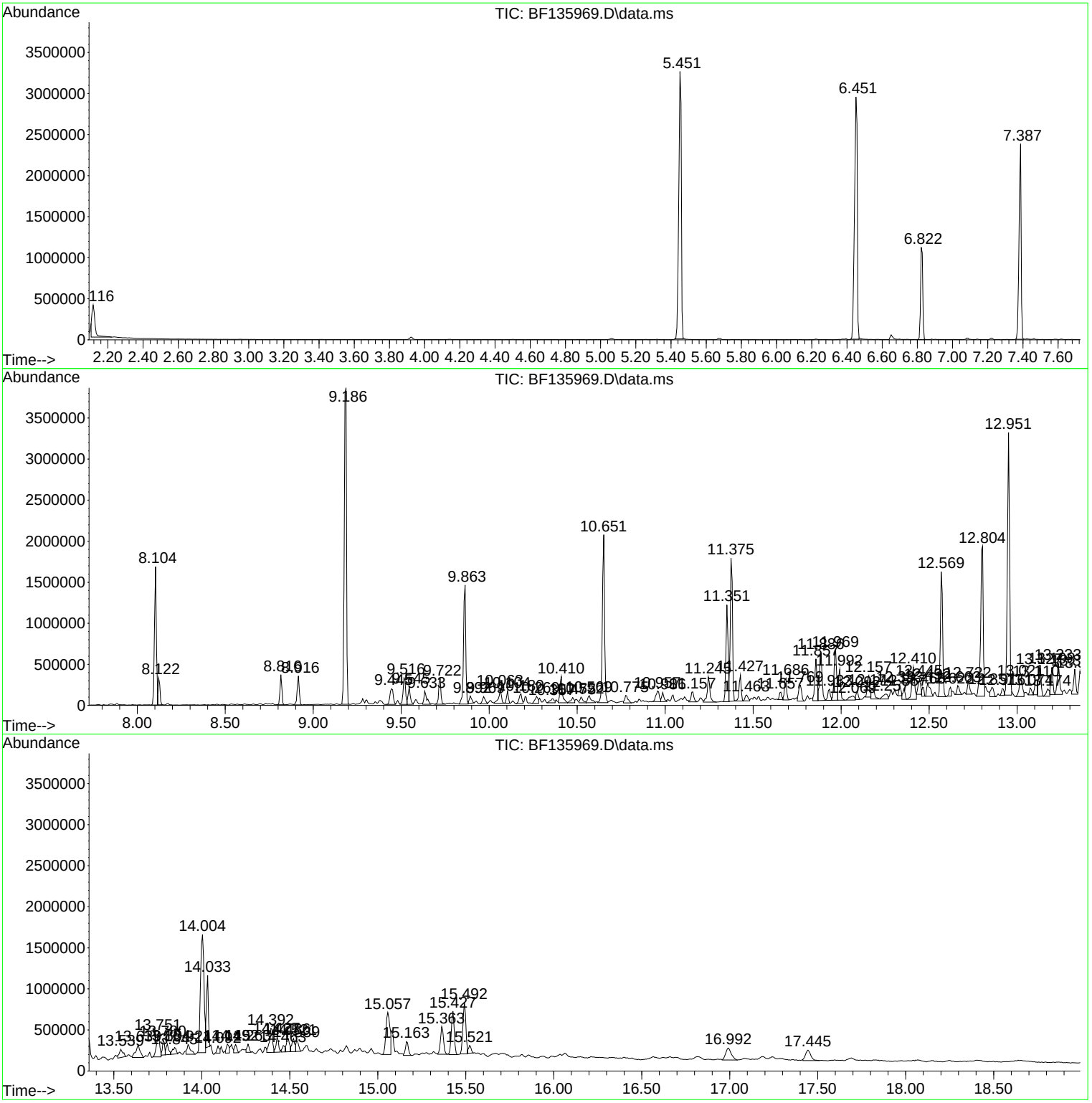
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
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Sample : 04693-04
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

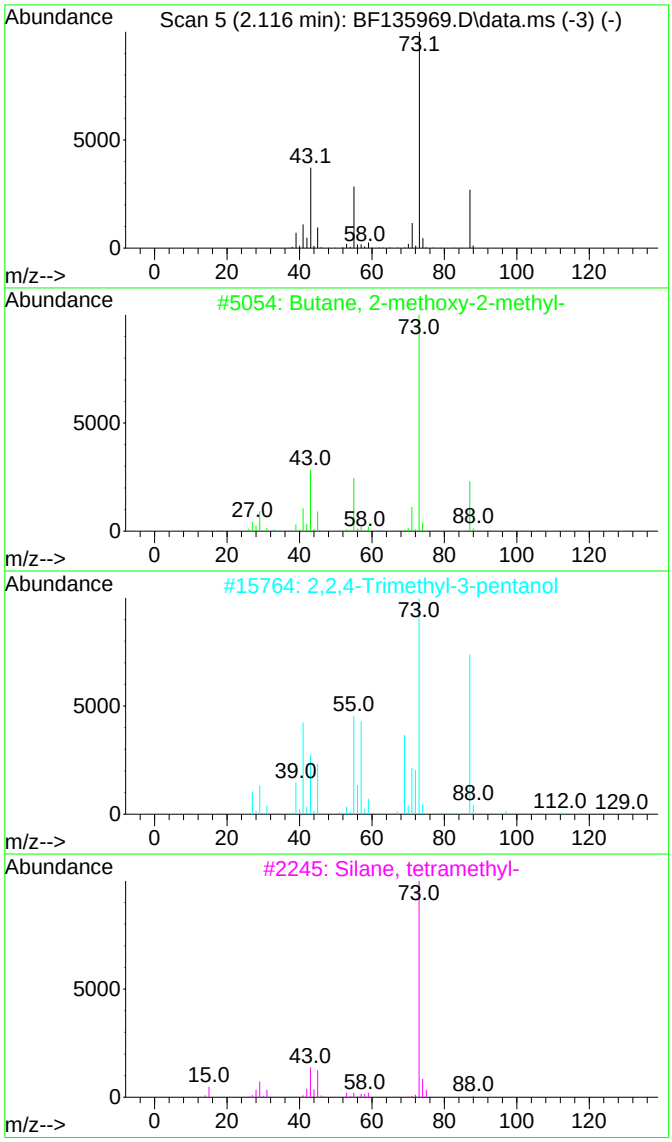
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

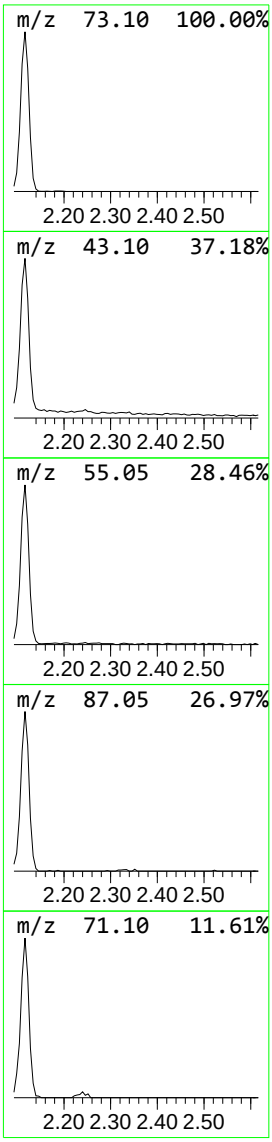
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	9.75 ng	468869	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	32
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

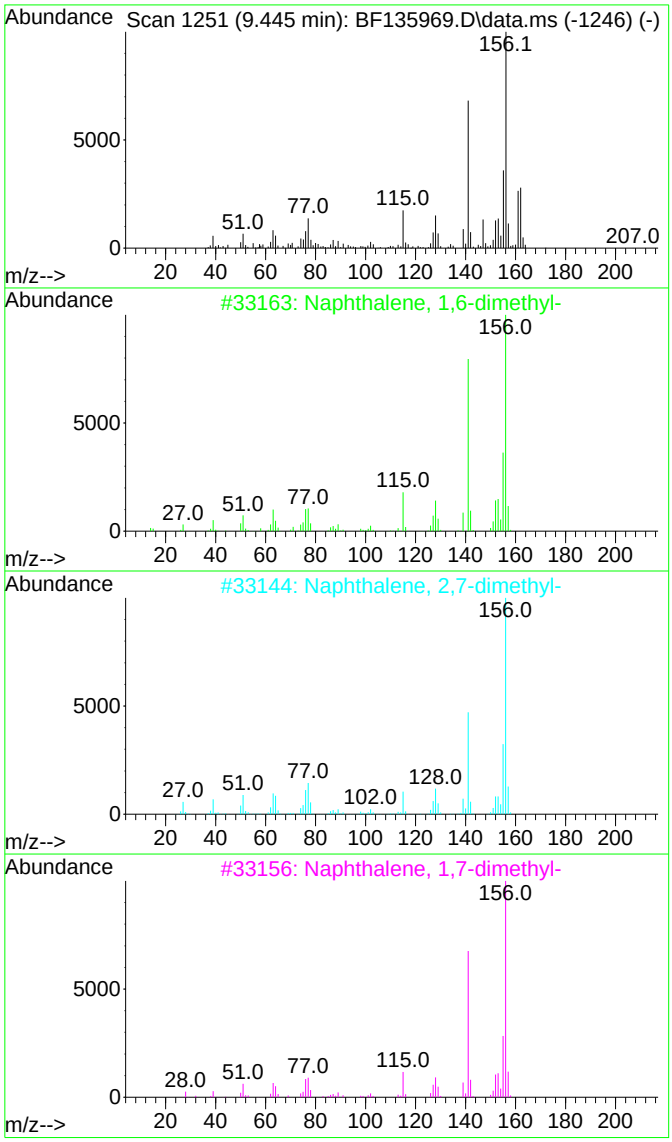
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

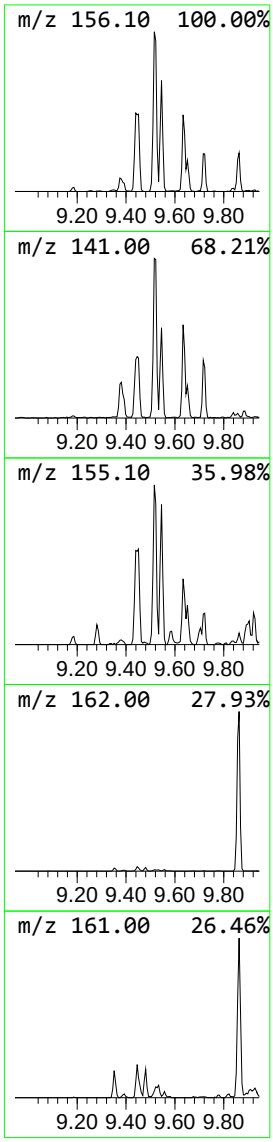
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	3.91 ng	253130	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

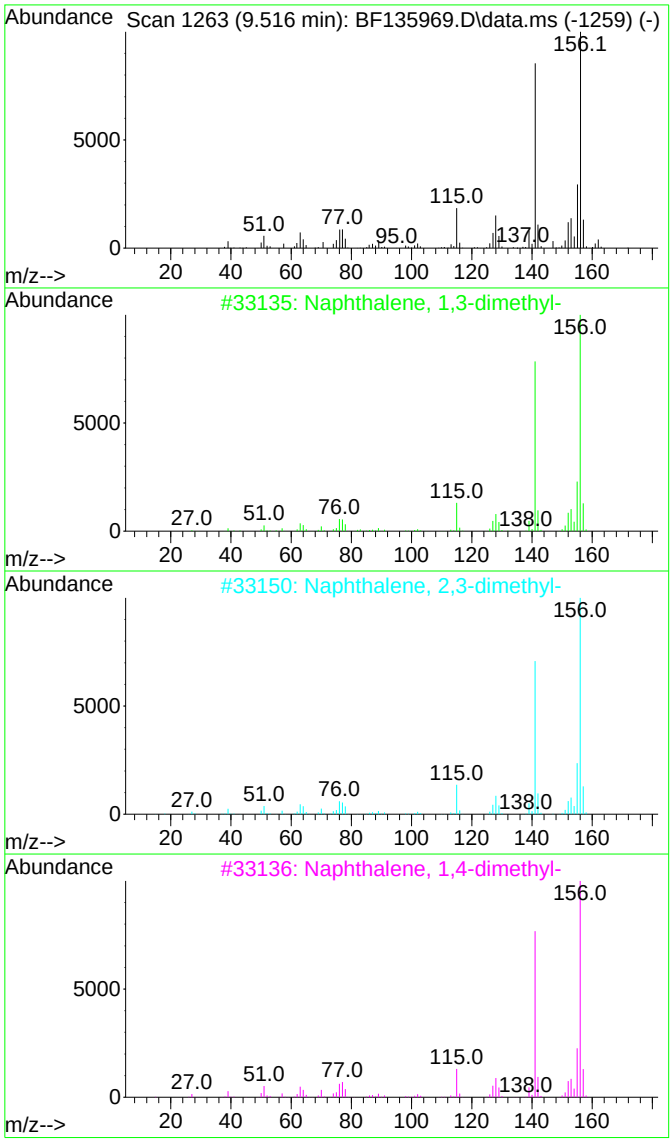
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

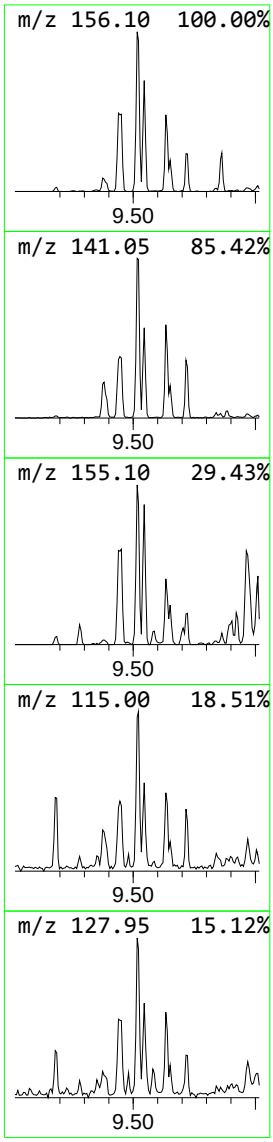
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	5.08 ng	328803	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

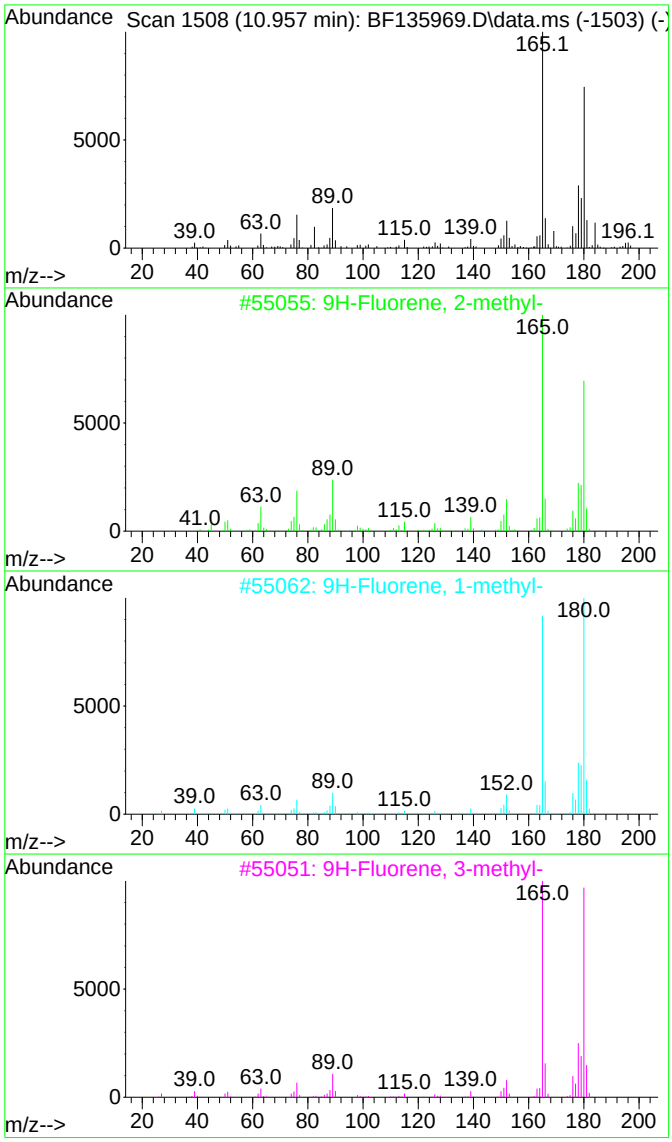
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

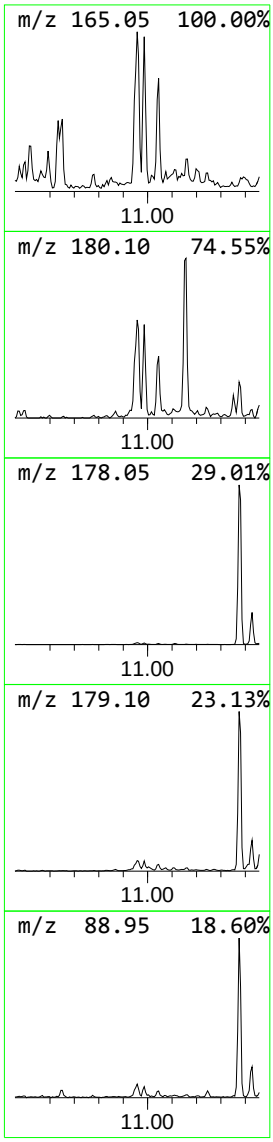
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.957	3.52 ng	177071	Phenanthrene-d10	11.351

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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

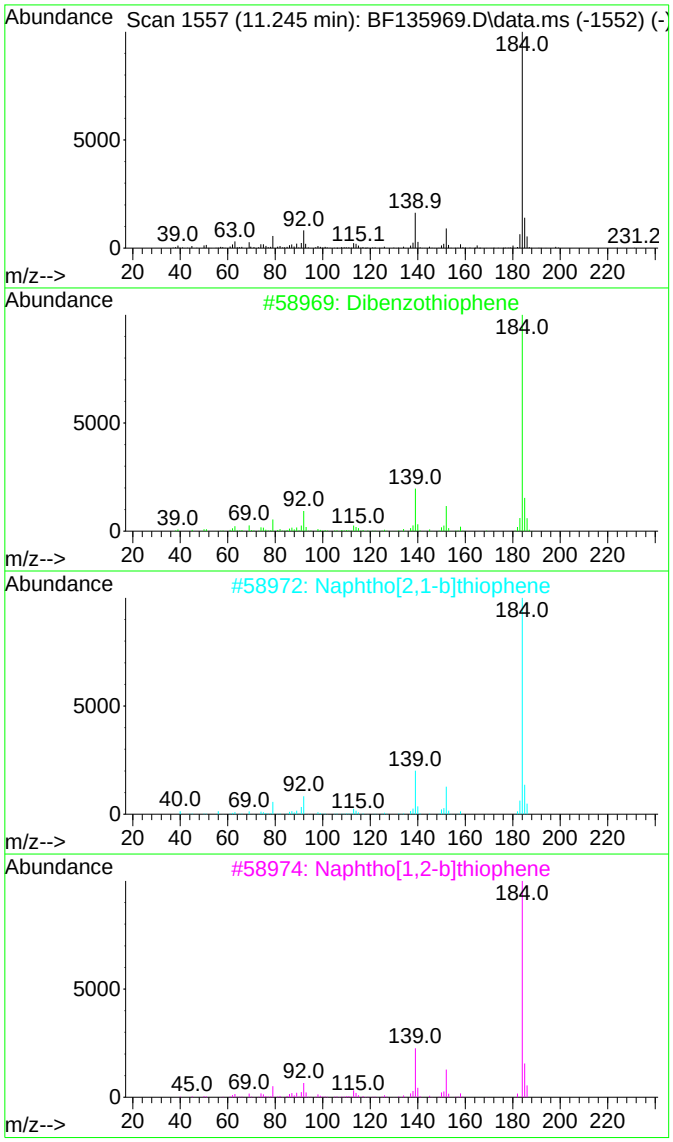
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

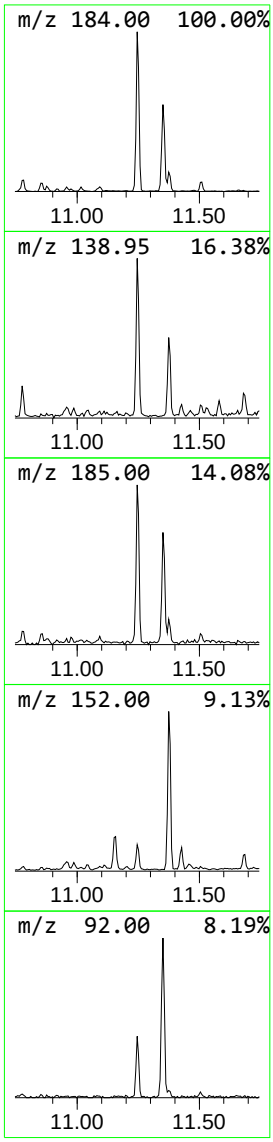
****

Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	6.47 ng	325527	Phenanthrene-d10	11.351

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[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-3(0-5)

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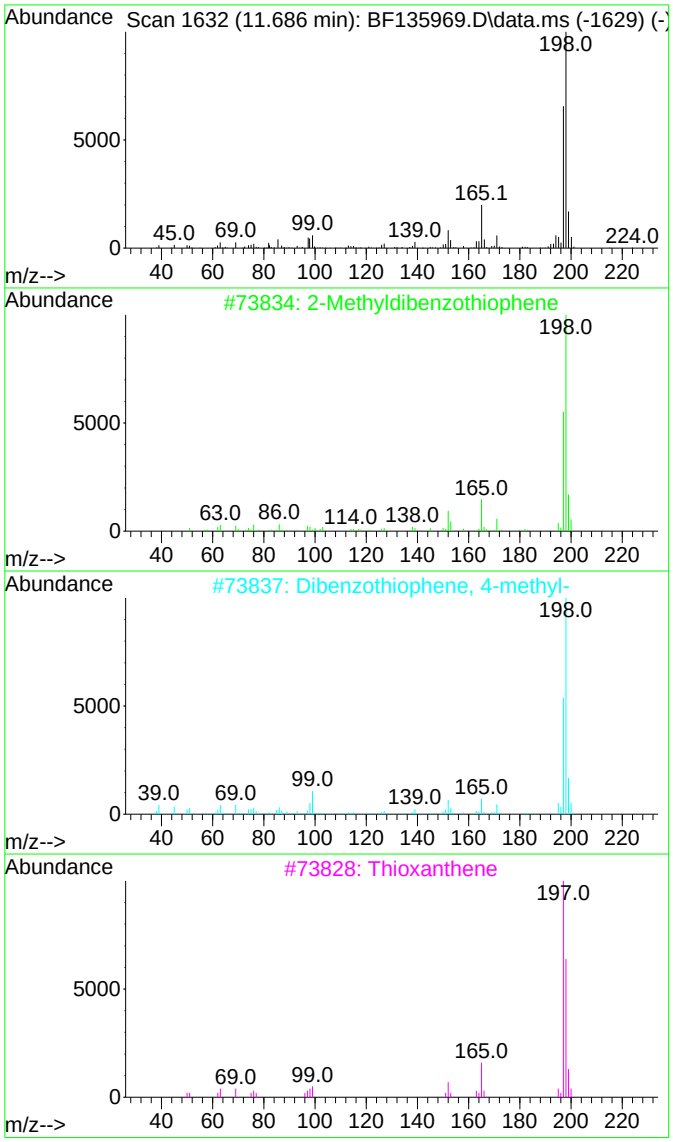
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

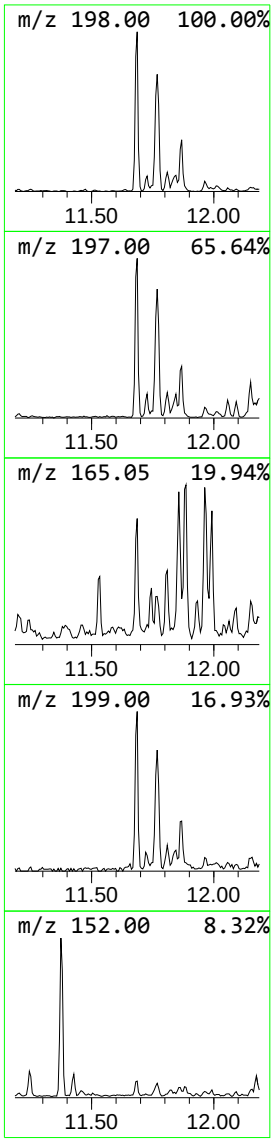
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	4.60 ng	231256	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Thioxanthene	198	C13H10S	000261-31-4	86
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83





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Operator : CG\JU
Sample : 04693-04
Misc :
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Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

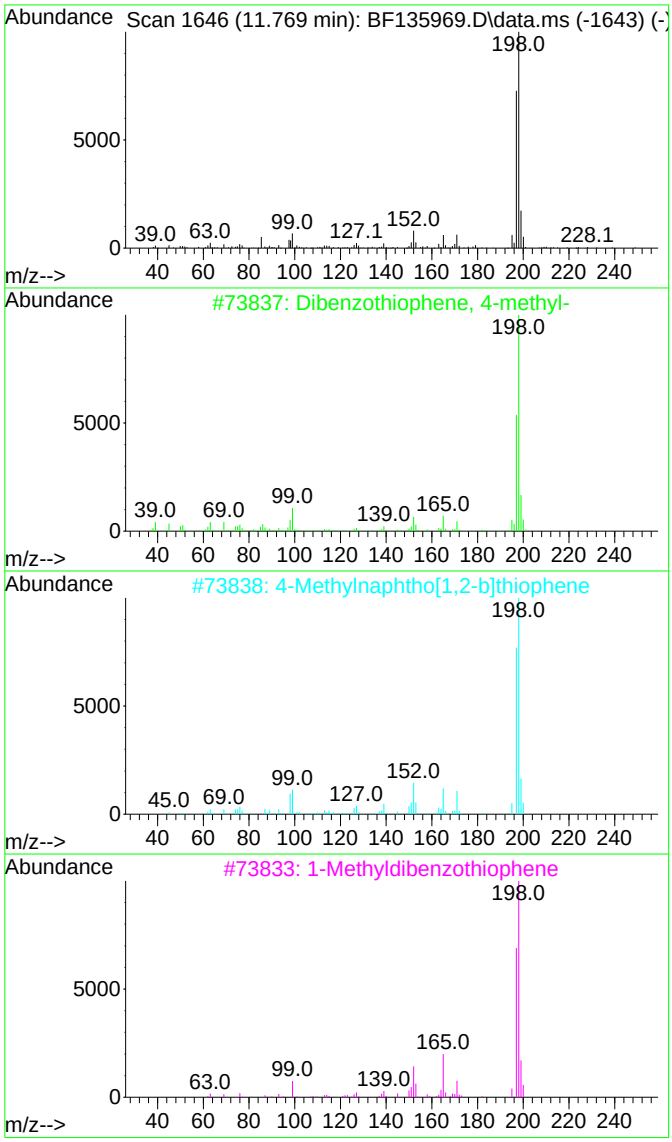
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

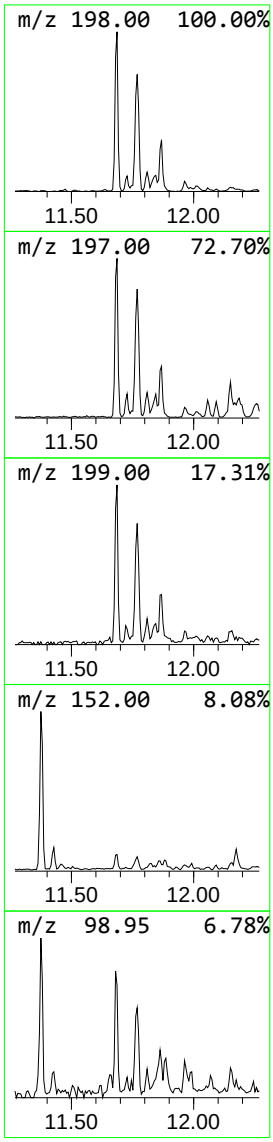
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	4.55 ng	228925	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86





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Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

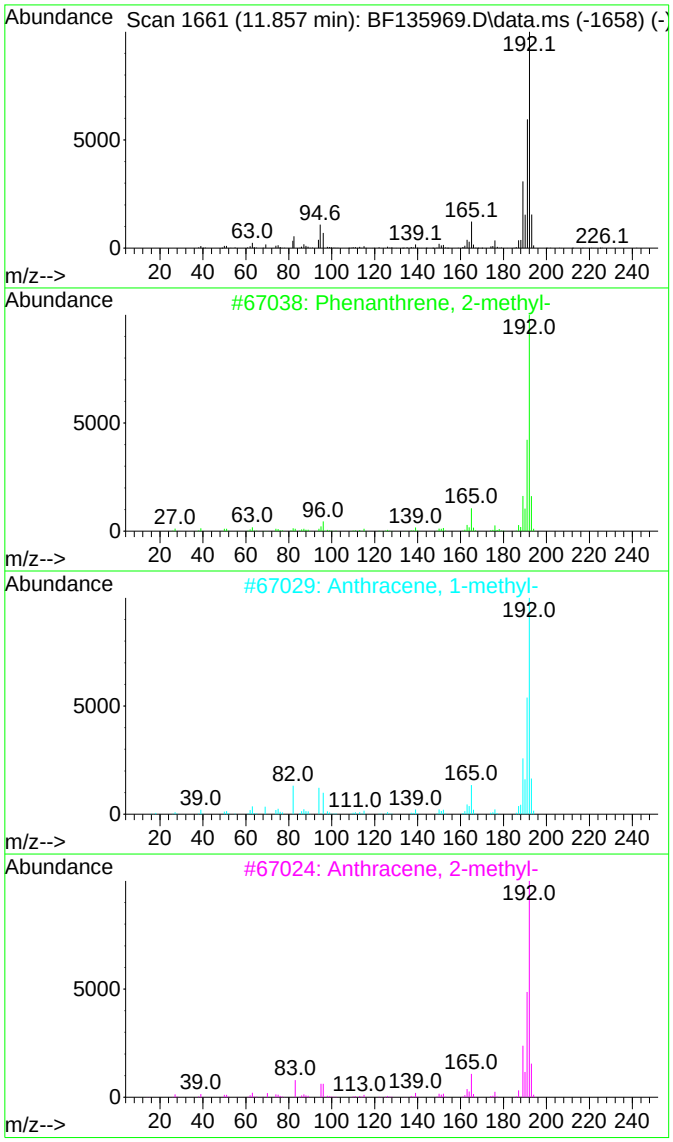
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

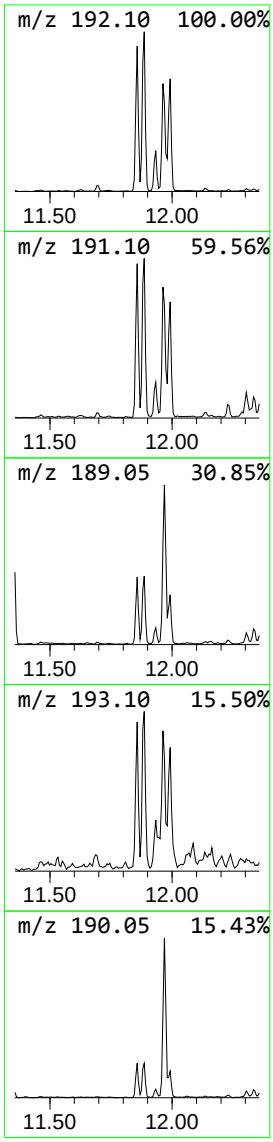
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	9.12 ng	458811	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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, 1-methyl-	192	C15H12	000832-69-9	94





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Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

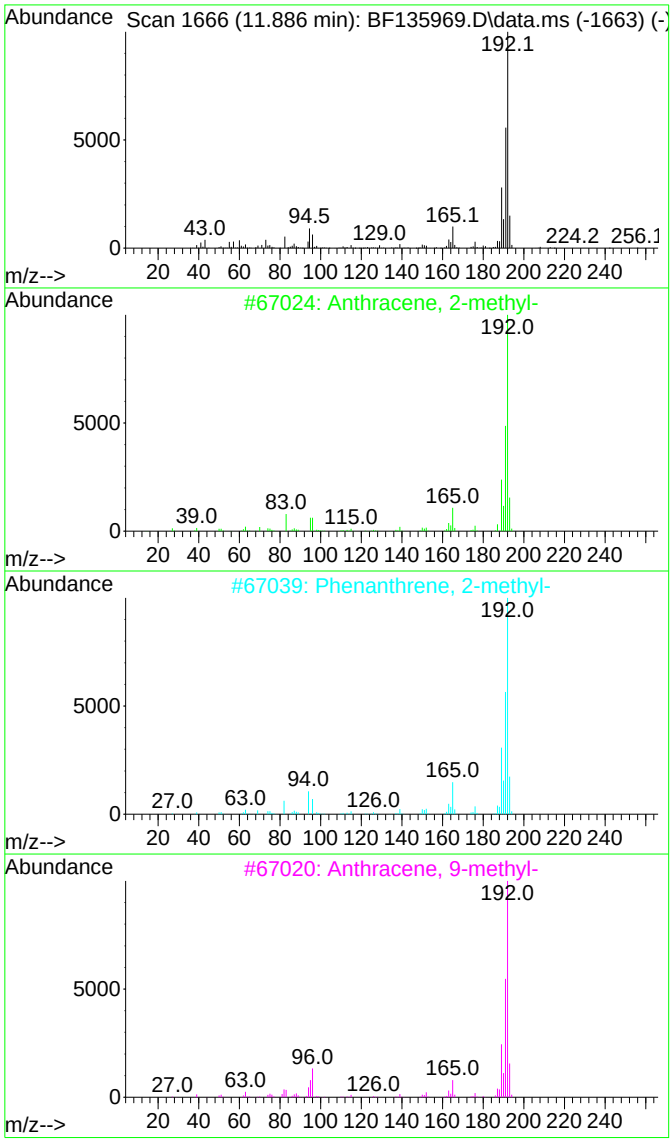
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

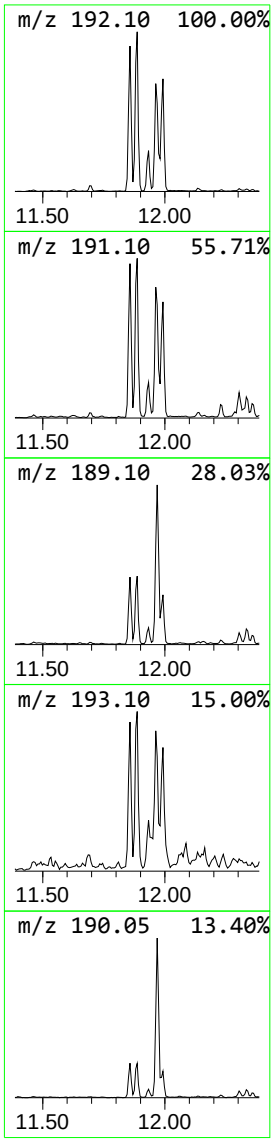
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	11.28 ng	567697	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Instrument :
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ClientSampleId :
S-3(0-5)

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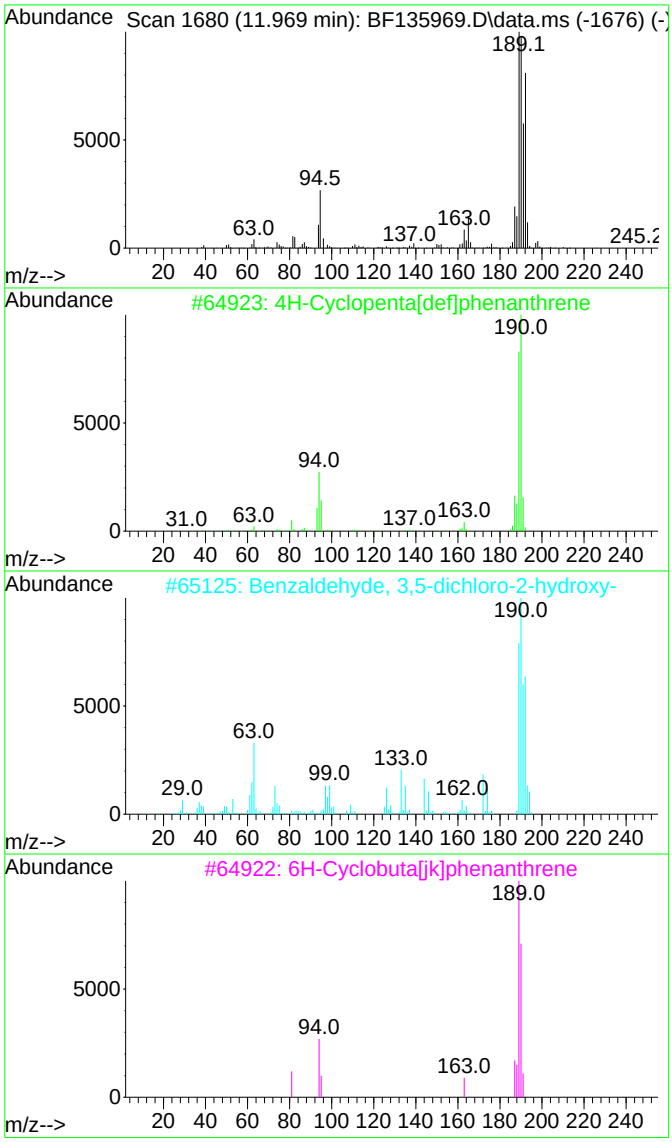
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

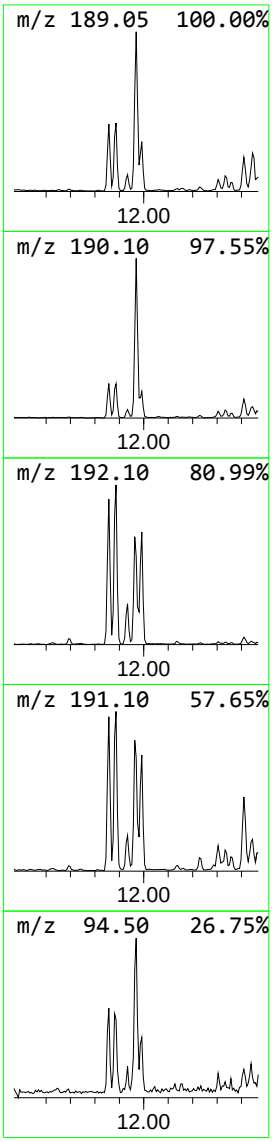
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	12.86 ng	647071	Phenanthrene-d10	11.351

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : 04693-04
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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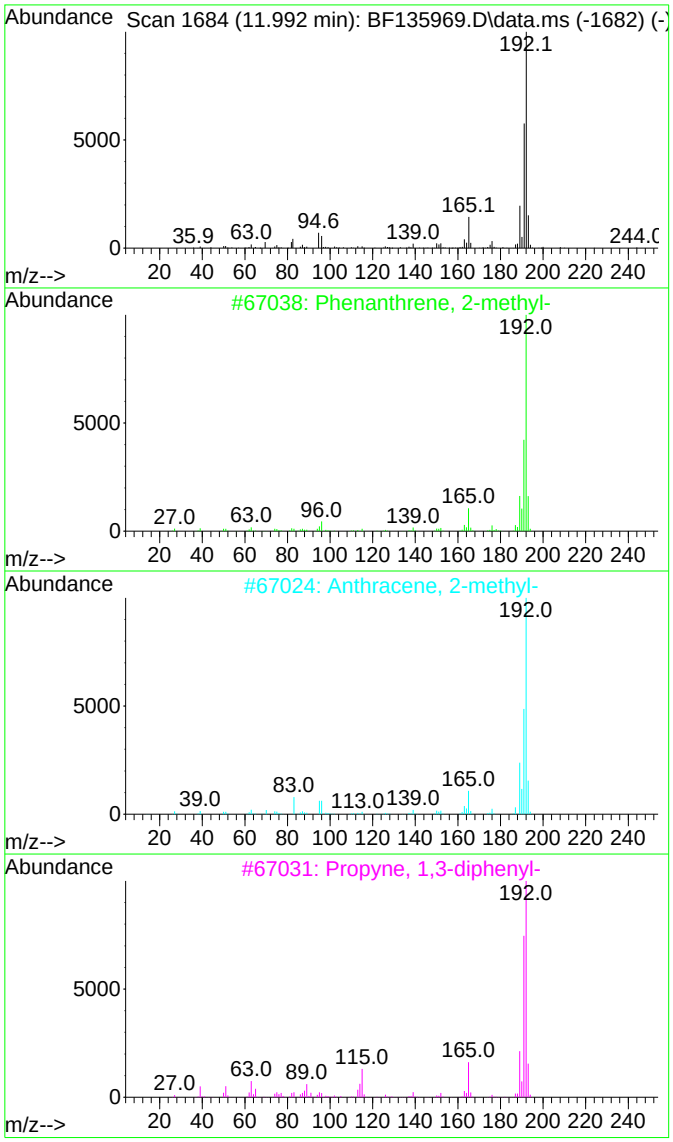
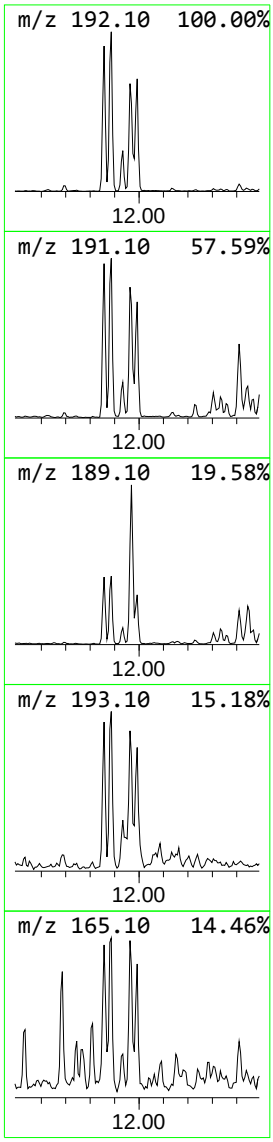
Peak Number 11 Propyne, 1,3-diphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	6.03 ng	303505	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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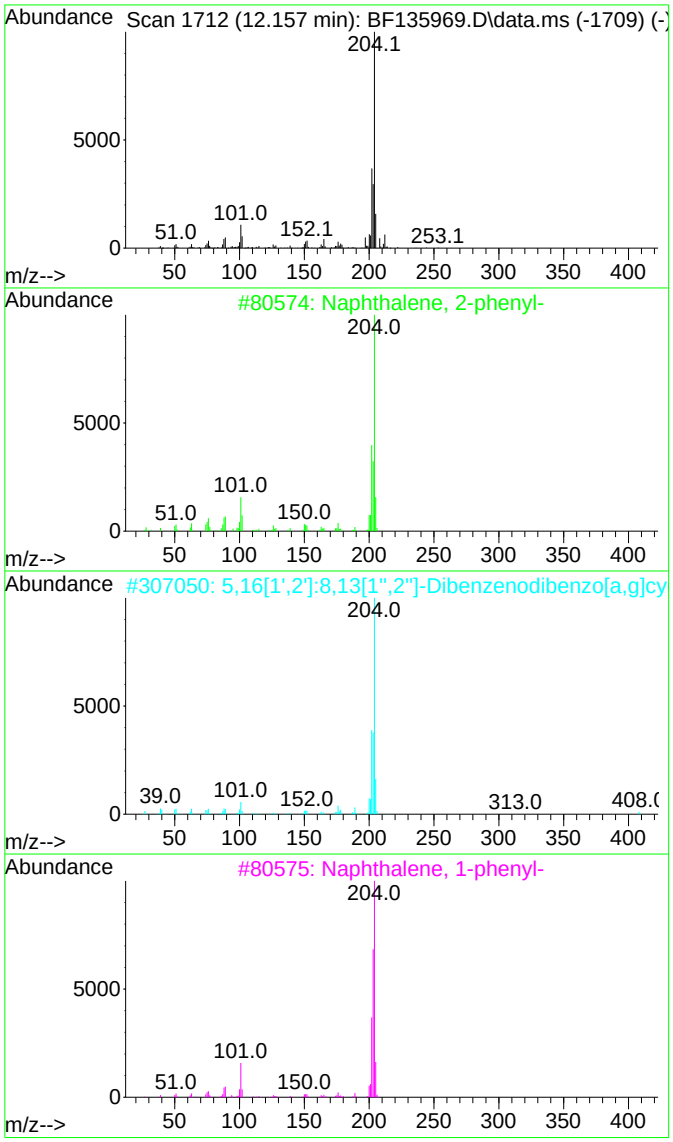
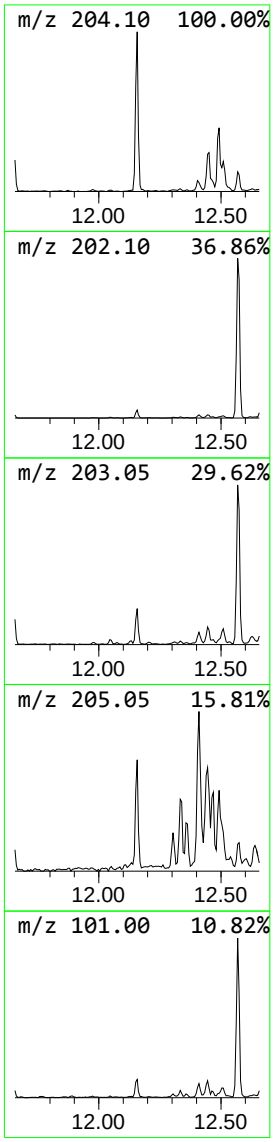
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	5.08 ng	255553	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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

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

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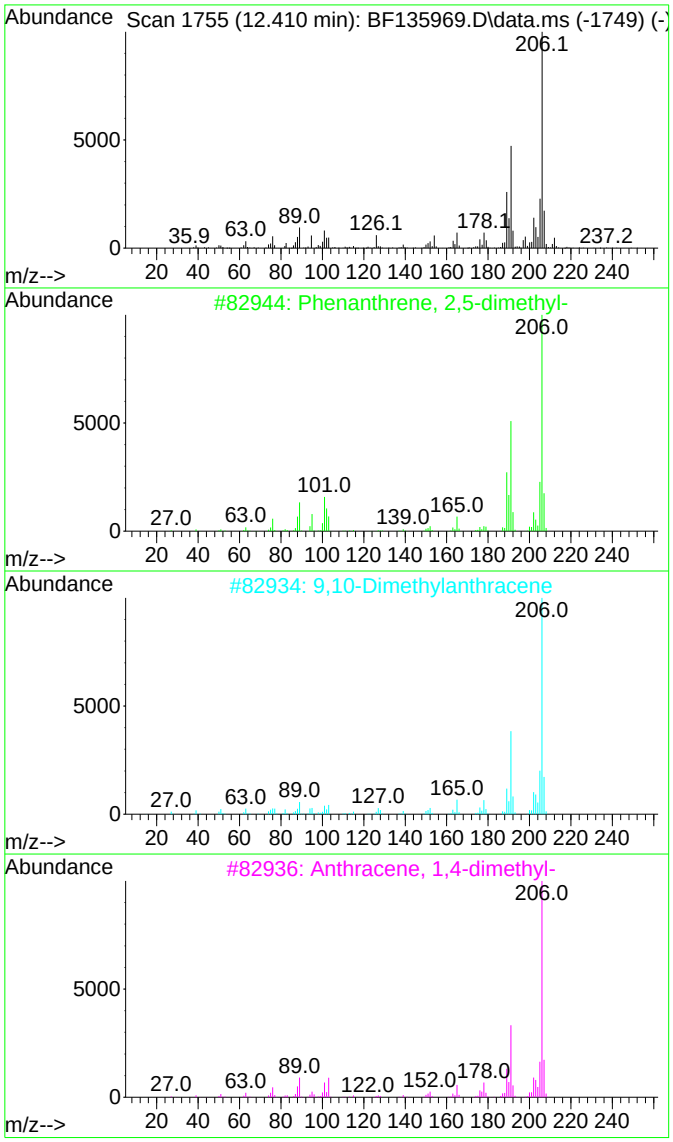
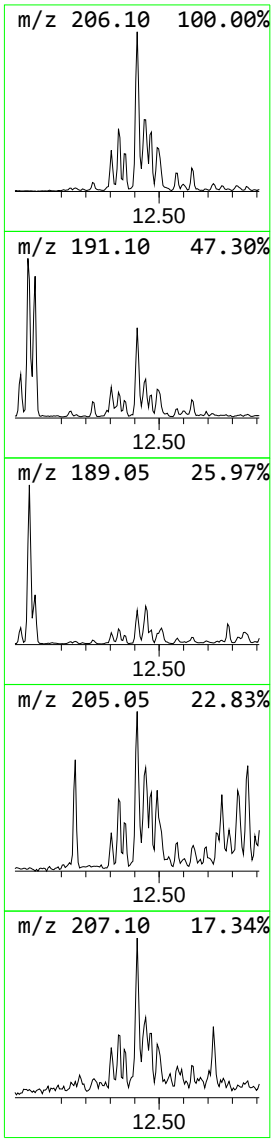
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	8.66 ng	435601	Phenanthrene-d10	11.351

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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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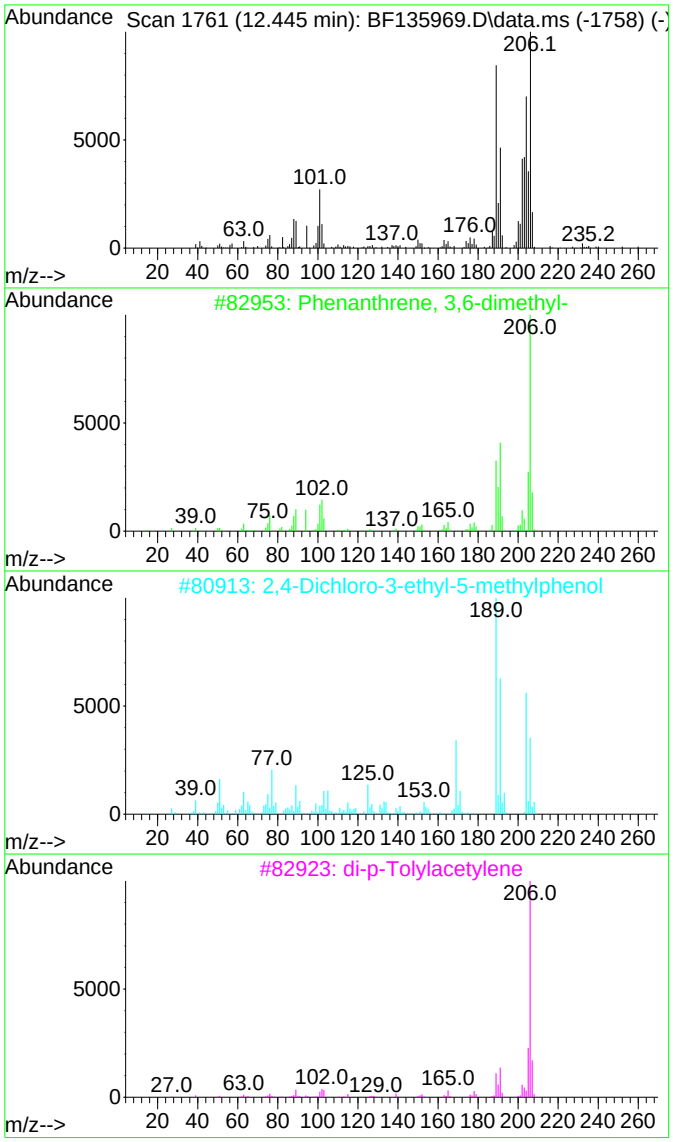
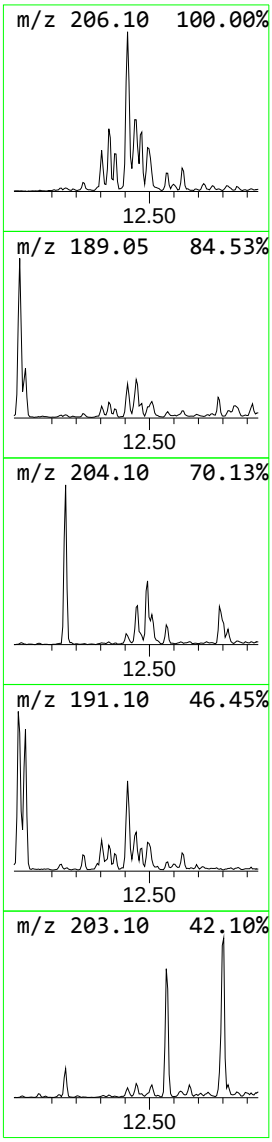
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	3.74 ng	188214	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	2,4-Dichloro-3-ethyl-5-methylphenol	204	C9H10Cl2O	001127-60-2	46
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	45
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
S-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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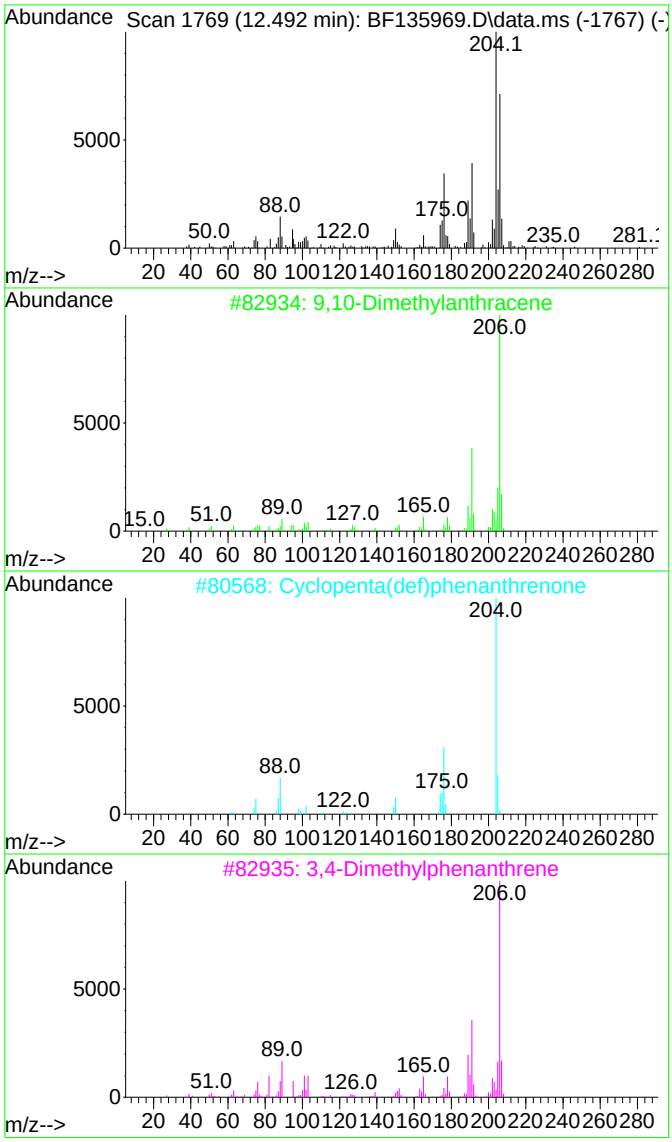
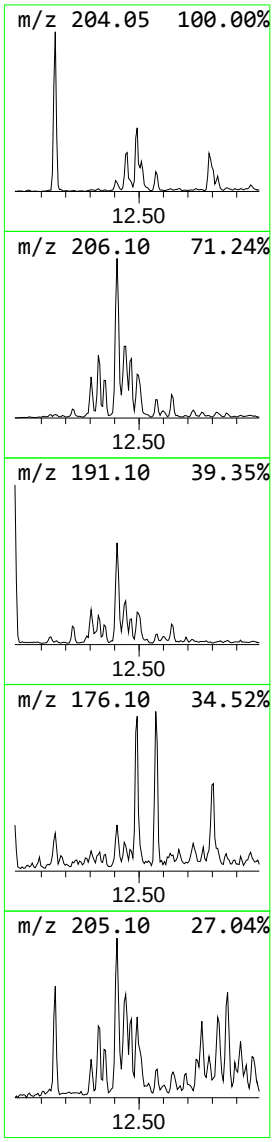
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	4.22 ng	212542	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	55
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	50
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
S-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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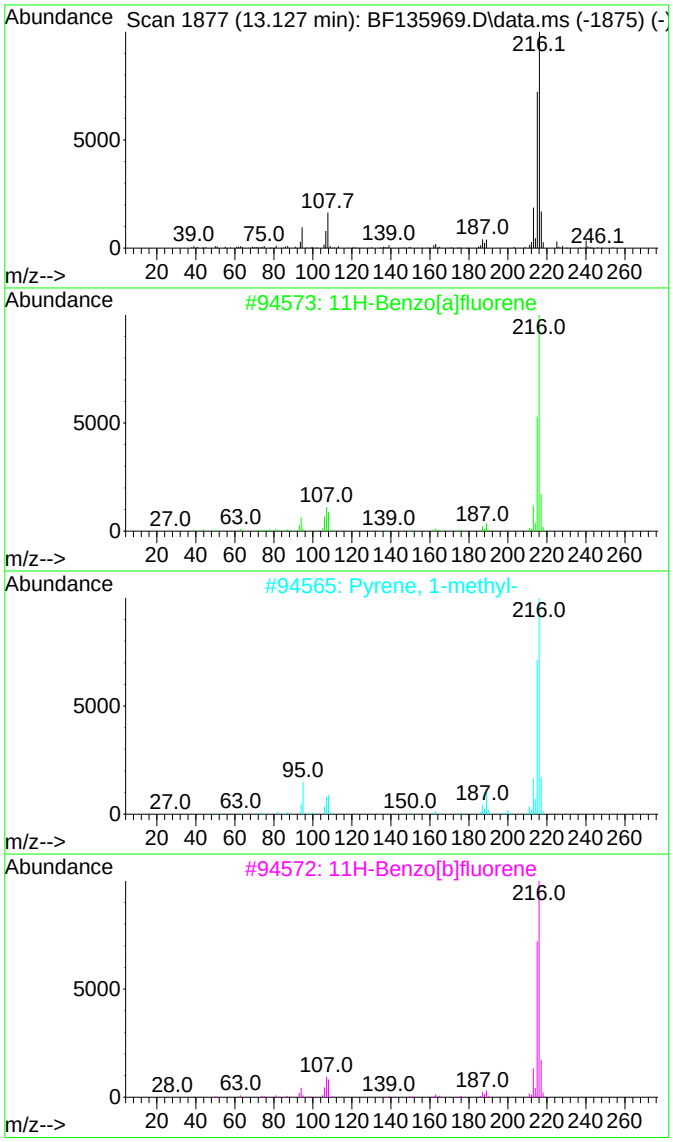
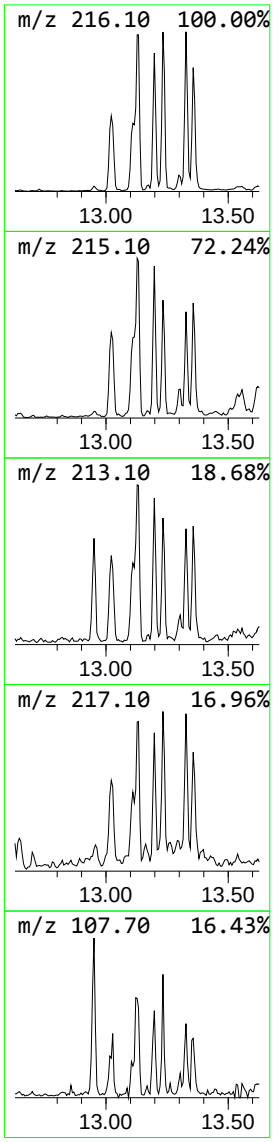
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	3.43 ng	357295	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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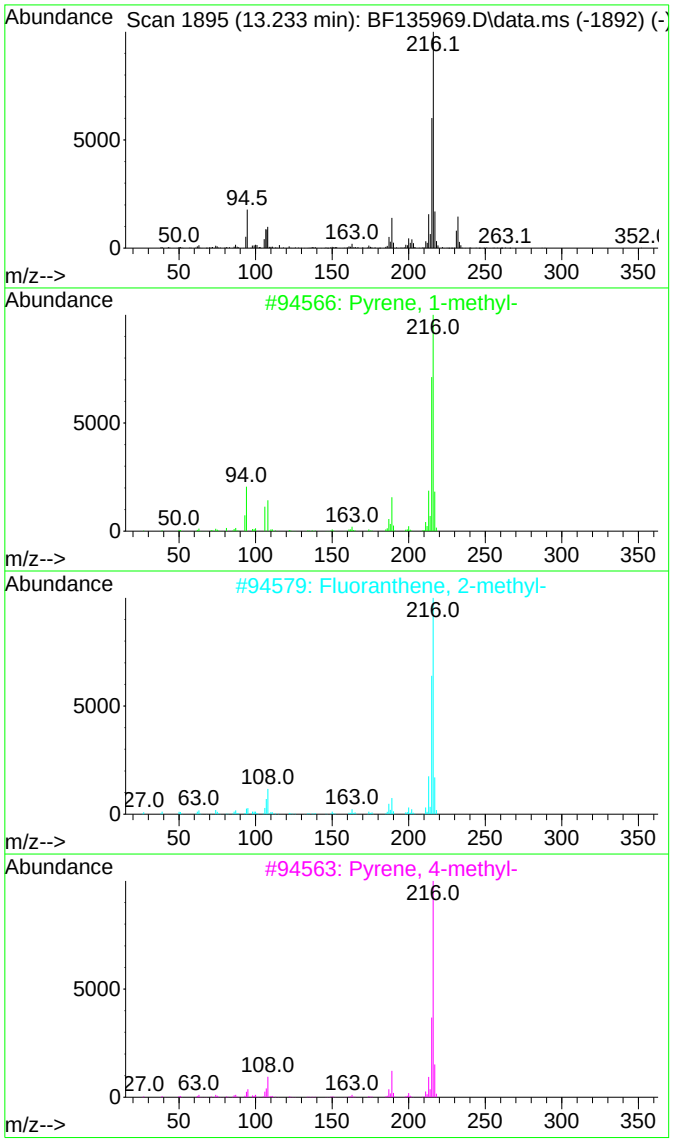
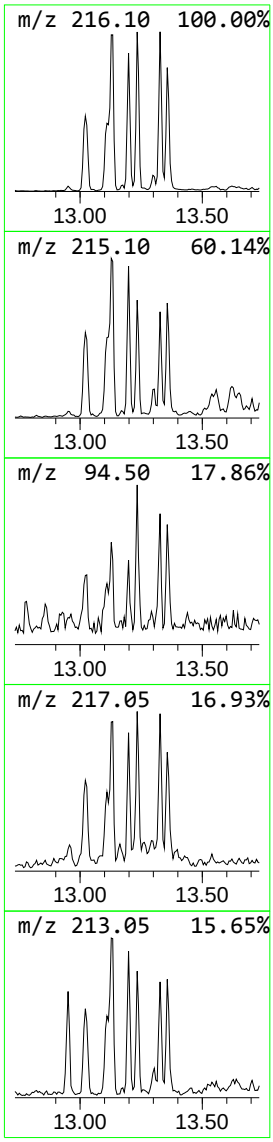
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	3.47 ng	360708	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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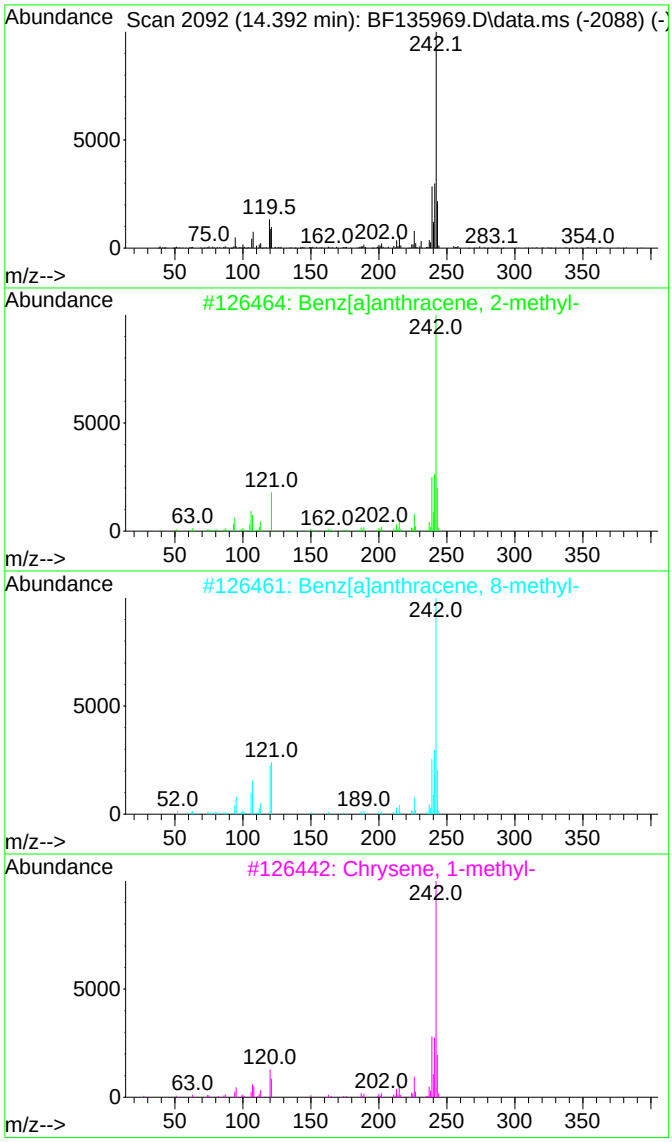
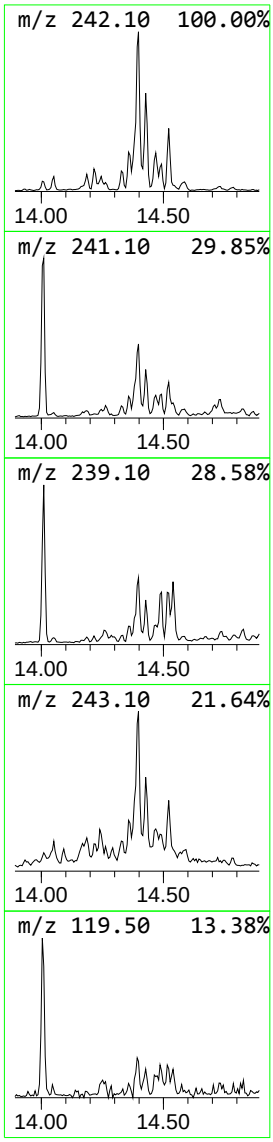
Peak Number 18 Benz[a]anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.392	3.47 ng	361457	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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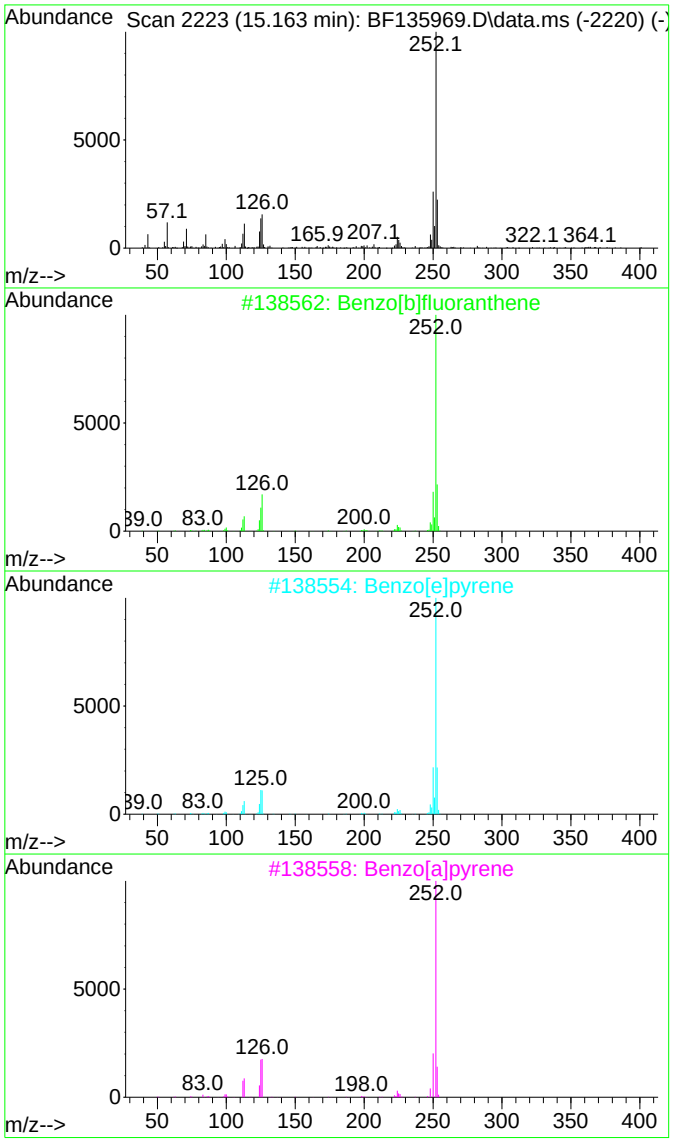
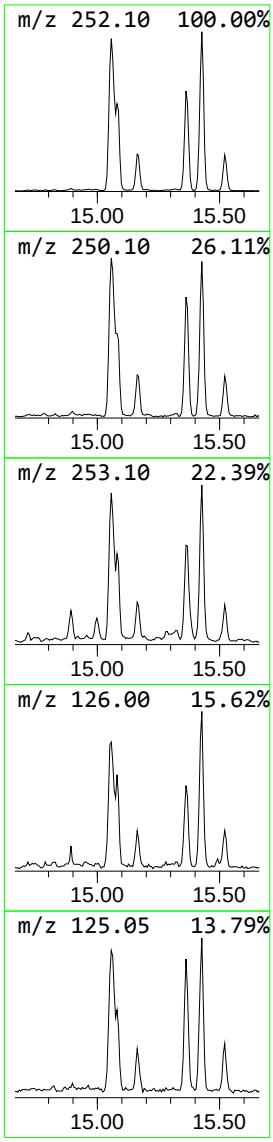
Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	5.28 ng	191930	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	92
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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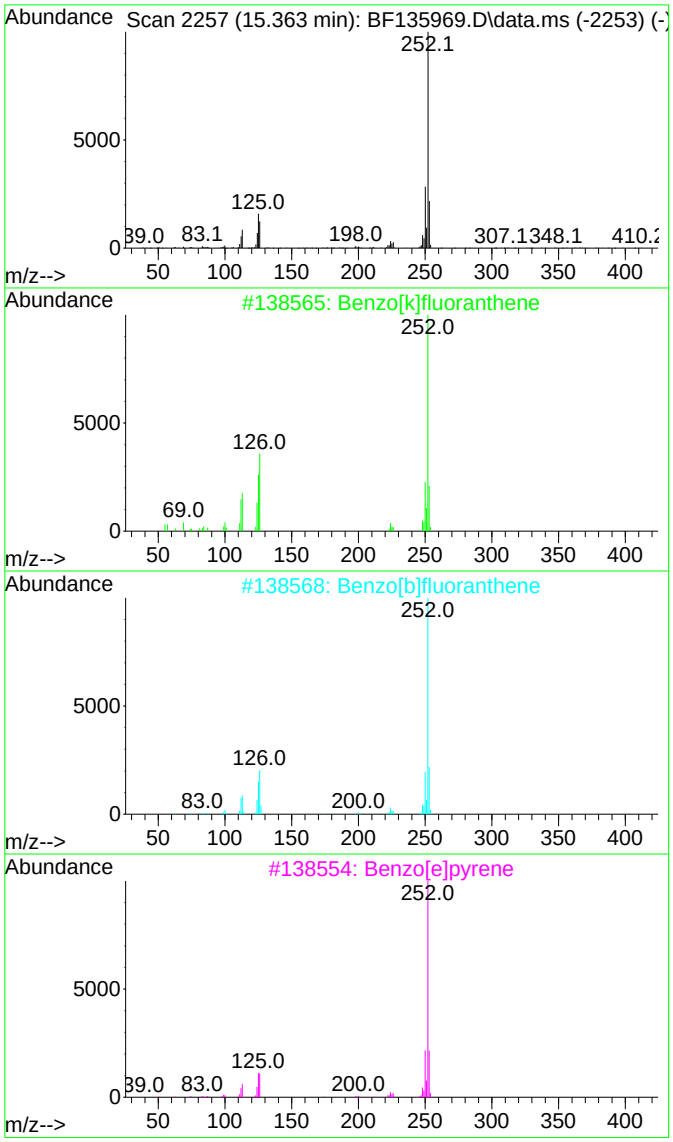
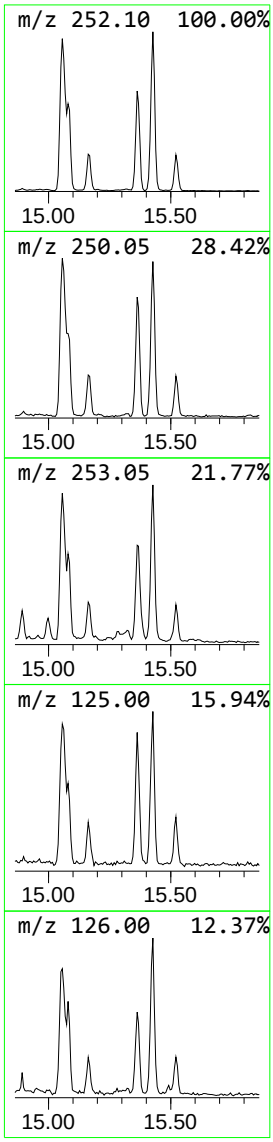
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.363	11.14 ng	405343	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135969.D
Acq On : 26 Oct 2023 18:15
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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
Butane, 2-metho...	2.116	9.8	ng	468869	1	6.828	961308	20.0
Naphthalene, 1,...	9.445	3.9	ng	253130	3	9.863	1293870	20.0
Naphthalene, 1,...	9.516	5.1	ng	328803	3	9.863	1293870	20.0
9H-Fluorene, 2-...	10.957	3.5	ng	177071	4	11.351	1006550	20.0
Dibenzothiophene	11.245	6.5	ng	325527	4	11.351	1006550	20.0
2-Methyldibenzo...	11.686	4.6	ng	231256	4	11.351	1006550	20.0
Dibenzothiophen...	11.769	4.5	ng	228925	4	11.351	1006550	20.0
Phenanthrene, 2...	11.857	9.1	ng	458811	4	11.351	1006550	20.0
Anthracene, 2-m...	11.886	11.3	ng	567697	4	11.351	1006550	20.0
4H-Cyclopenta[d...	11.969	12.9	ng	647071	4	11.351	1006550	20.0
Propyne, 1,3-di...	11.992	6.0	ng	303505	4	11.351	1006550	20.0
Naphthalene, 2-...	12.157	5.1	ng	255553	4	11.351	1006550	20.0
Phenanthrene, 2...	12.410	8.7	ng	435601	4	11.351	1006550	20.0
Phenanthrene, 3...	12.445	3.7	ng	188214	4	11.351	1006550	20.0
9,10-Dimethylan...	12.492	4.2	ng	212542	4	11.351	1006550	20.0
11H-Benzo[a]flu...	13.127	3.4	ng	357295	5	14.010	2080680	20.0
Pyrene, 1-methyl-	13.233	3.5	ng	360708	5	14.010	2080680	20.0
Benz[a]anthrace...	14.392	3.5	ng	361457	5	14.010	2080680	20.0
Benzo[e]pyrene	15.163	5.3	ng	191930	6	15.492	727637	20.0
Perylene	15.363	11.1	ng	405343	6	15.492	727637	20.0