LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
Data File : BF125435.D
Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090921

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	5	10	18	rVB	441788	556564	13.03%	1.151%
2	5.510	578	582	594	rBV	1136004	1103019	25.83%	2.282%
3	6.516	750	753	763	rBV	1060016	1046422	24.51%	2.165%
4	6.887	812	816	819	rBV	989484	804720	18.85%	1.665%
5	7.445	908	911	922	rBV	763283	636747	14.91%	1.317%
6	8.075	1014	1018	1023	rBV2	36147	67105	1.57%	0.139%
7	8.169	1031	1034	1036	rBV	1174848	909377	21.30%	1.881%
8	8.192	1036	1038	1041	rVB	187209	153359	3.59%	0.317%
9	8.881	1152	1155	1159	rBV	184420	143838	3.37%	0.298%
10	8.981	1168	1172	1176	rBV	172942	144159	3.38%	0.298%
11	9.239	1213	1216	1222	rBV	1149670	1063829	24.91%	2.201%
12	9.510	1258	1262	1266	rBV	101066	137847	3.23%	0.285%
13	9.581	1271	1274	1277	rBV	163382	169401	3.97%	0.350%
14	9.610	1277	1279	1281	rVV	105703	80551	1.89%	0.167%
15	9.645	1281	1285	1291	rVB3	53077	89929	2.11%	0.186%
16	9.698	1291	1294	1296	rBV	87484	75080	1.76%	0.155%
17	9.786	1306	1309	1315	rBV	294802	245772	5.76%	0.508%
18	9.928	1330	1333	1336	rVV	1084490	883316	20.69%	1.827%
19	9.957	1336	1338	1342	rVB	480743	362501	8.49%	0.750%
20	10.081	1354	1359	1362	rBV4	46922	69040	1.62%	0.143%
21	10.128	1363	1367	1371	rVB2	301718	268326	6.28%	0.555%
22	10.169	1371	1374	1378	rVB	79119	70351	1.65%	0.146%
23	10.239	1382	1386	1389	rBV2	89164	100386	2.35%	0.208%
24	10.333	1397	1402	1403	rBV2	58020	81007	1.90%	0.168%
25	10.345	1403	1404	1407	rVB	97059	73197	1.71%	0.151%
26	10.475	1422	1426	1432	rVB	672350	578195	13.54%	1.196%
27	10.557	1438	1440	1443	rVB3	78023	68281	1.60%	0.141%
28	10.628	1450	1452	1455	rVB	134931	110776	2.59%	0.229%
29	10.716	1463	1467	1471	rBV	816696	752676	17.63%	1.557%
30	10.833	1482	1487	1494	rVB3	109249	193638	4.53%	0.401%
31	11.022	1514	1519	1522	rBV2	157712	196378	4.60%	0.406%
32	11.051	1522	1524	1527	rVV	102334	90947	2.13%	0.188%
33	11.104	1530	1533	1536	rVB	102287	92640	2.17%	0.192%
34	11.145	1536	1540	1542	rBV3	79514	106840	2.50%	0.221%
35	11.175	1542	1545	1550	rVV2	90430	128943	3.02%	0.267%
36	11.222	1550	1553	1556	rVV3	71936	79090	1.85%	0.164%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OK-03-090921

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.269	1557	1561	1563	rVV2	124336	151651	3.55%	0.314%
38	11.310	1563	1568	1573	rVB	246508	267674	6.27%	0.554%
39	11.416	1582	1586	1588	rBV	1052849	1014855	23.77%	2.099%
40	11.445	1588	1591	1594	rVV	2934753	2691106	63.02%	5.567%
41	11.492	1594	1599	1602	rVV	1258107	1054593	24.70%	2.181%
42	11.522	1602	1604	1607	rVV2	101762	118722	2.78%	0.246%
43	11.569	1610	1612	1618	rVV4	48062	80678	1.89%	0.167%
44	11.645	1622	1625	1631	rVV	174277	241440	5.65%	0.499%
45	11.710	1631	1636	1640	rVV3	108237	187317	4.39%	0.387%
46	11.745	1640	1642	1647	rVV2	122111	134543	3.15%	0.278%
47	11.798	1648	1651	1653	rVV3	94048	86876	2.03%	0.180%
48	11.827	1653	1656	1660	rVB	71121	78470	1.84%	0.162%
49	11.916	1668	1671	1673	rBV	475304	419028	9.81%	0.867%
50	11.945	1673	1676	1680	rVB	684692	628968	14.73%	1.301%
51	11.992	1681	1684	1687	rBV	321275	272979	6.39%	0.565%
52	12.033	1687	1691	1693	rBV2	924558	962694	22.54%	1.991%
53	12.104	1699	1703	1705	rBV2	91424	96913	2.27%	0.200%
54	12.210	1718	1721	1724	rVV	327712	303166	7.10%	0.627%
55	12.239	1724	1726	1729	rVB2	140080	117125	2.74%	0.242%
56	12.363	1745	1747	1749	rVV	108356	81521	1.91%	0.169%
57	12.392	1749	1752	1754	rVV	154616	125360	2.94%	0.259%
58	12.416	1754	1756	1759	rVB2	119854	94220	2.21%	0.195%
59	12.469	1761	1765	1767	rBV	342197	400469	9.38%	0.828%
60	12.504	1767	1771	1774	rVV4	371667	582650	13.64%	1.205%
61	12.557	1777	1780	1784	rBV2	206271	272755	6.39%	0.564%
62	12.592	1784	1786	1789	rVB3	79062	69961	1.64%	0.145%
63	12.639	1789	1794	1797	rBV	3941889	3814441	89.33%	7.890%
64	12.675	1797	1800	1801	rVV	112400	92945	2.18%	0.192%
65	12.692	1801	1803	1806	rVV2	111129	105290	2.47%	0.218%
66	12.727	1806	1809	1811	rVB	160830	150046	3.51%	0.310%
67	12.786	1816	1819	1821	rVV	138802	120561	2.82%	0.249%
68	12.869	1826	1833	1838	rBV2	3539972	4270203	100.00%	8.833%
69	12.910	1838	1840	1844	rVB2	216894	244331	5.72%	0.505%
70	12.980	1848	1852	1853	rBV	258859	288100	6.75%	0.596%
71	12.998	1853	1855	1857	rVV	1265440	966390	22.63%	1.999%
72	13.022	1857	1859	1862	rVB	227898	197872	4.63%	0.409%
73	13.080	1864	1869	1873	rBV2	315873	556907	13.04%	1.152%
74	13.163	1880	1883	1885	rBV3	280647	347585	8.14%	0.719%
75	13.186	1885	1887	1891	rVB	735726	707207	16.56%	1.463%
76	13.222	1891	1893	1895	rBV3	100662	103082	2.41%	0.213%

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Instrument : BNA_F
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Integration Parameters: rteint.p
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Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.257	1896	1899	1901	rBV	711260	571345	13.38%	1.182%
78	13.292	1901	1905	1908	rBV2	450111	442716	10.37%	0.916%
79	13.351	1913	1915	1918	rBV3	86220	80741	1.89%	0.167%
80	13.386	1918	1921	1923	rBV	268831	213619	5.00%	0.442%
81	13.416	1923	1926	1929	rBV	265037	243815	5.71%	0.504%
82	13.563	1949	1951	1954	rBV3	121908	144743	3.39%	0.299%
83	13.674	1967	1970	1972	rBV2	132101	170798	4.00%	0.353%
84	13.698	1972	1974	1978	rVB2	185420	206063	4.83%	0.426%
85	13.810	1990	1993	1996	rBV	239456	244538	5.73%	0.506%
86	13.839	1996	1998	2000	rVB	283884	210525	4.93%	0.435%
87	13.863	2000	2002	2006	rBV2	254989	339750	7.96%	0.703%
88	14.057	2031	2035	2039	rBV2	1984510	2845905	66.65%	5.887%
89	14.092	2039	2041	2044	rVB	1624368	1223441	28.65%	2.531%
90	14.169	2052	2054	2057	rBV	385704	334489	7.83%	0.692%
91	14.210	2059	2061	2065	rVV2	211915	199107	4.66%	0.412%
92	14.451	2100	2102	2104	rVB	373980	286790	6.72%	0.593%
93	14.598	2125	2127	2130	rVB	249889	193192	4.52%	0.400%
94	15.127	2212	2217	2219	rBV	1052558	1619011	37.91%	3.349%
95	15.233	2232	2235	2238	rBV	264683	293272	6.87%	0.607%
96	15.433	2266	2269	2276	rVB	666917	831060	19.46%	1.719%
97	15.504	2276	2281	2286	rBV	1048822	1334040	31.24%	2.759%
98	15.563	2287	2291	2294	rBV	612971	785297	18.39%	1.624%
99	17.074	2543	2548	2554	rVB2	396012	701889	16.44%	1.452%
100	17.533	2622	2626	2637	rVB	289172	593379	13.90%	1.227%

Sum of corrected areas: 48344466

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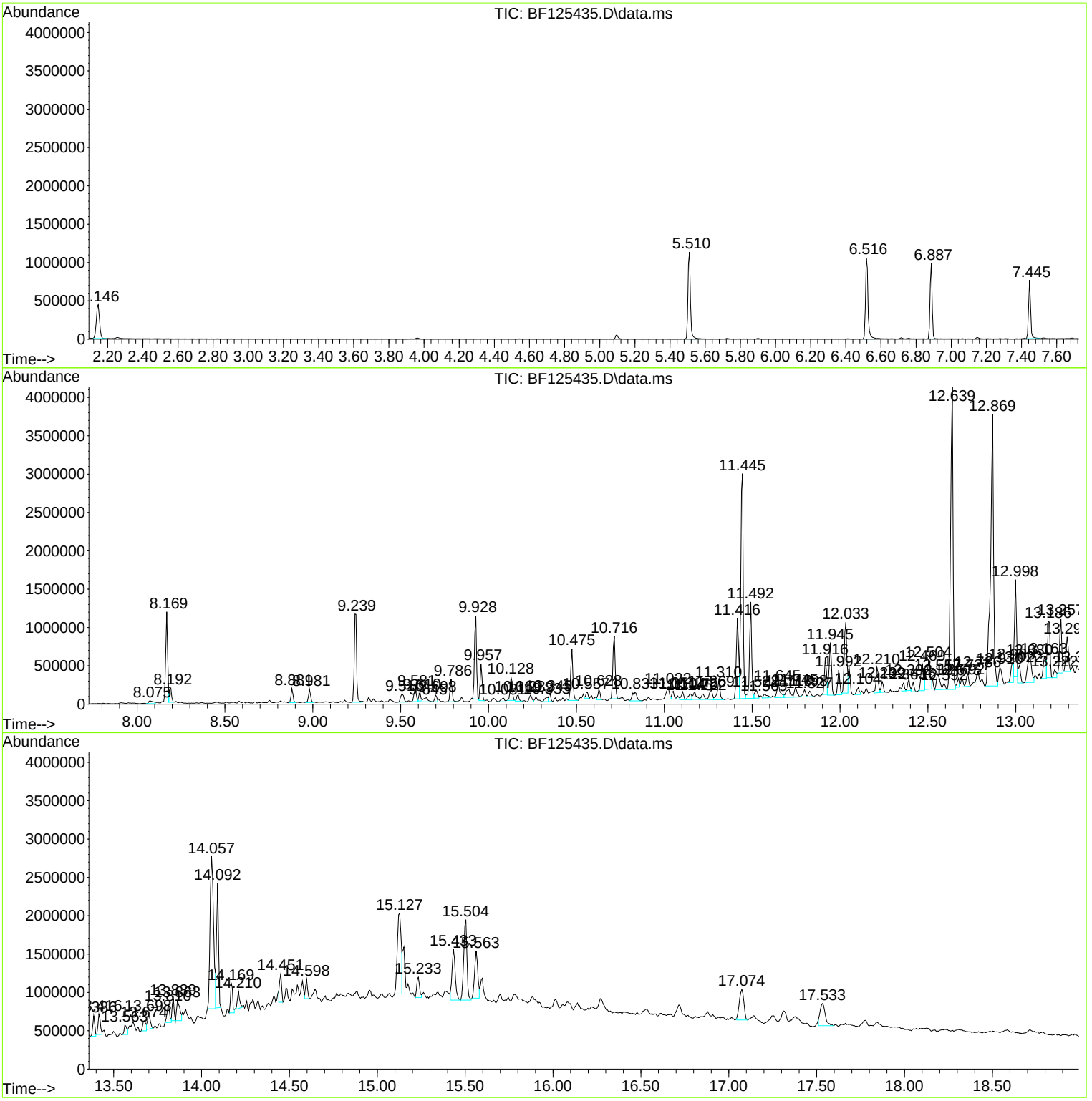
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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\BF091021\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

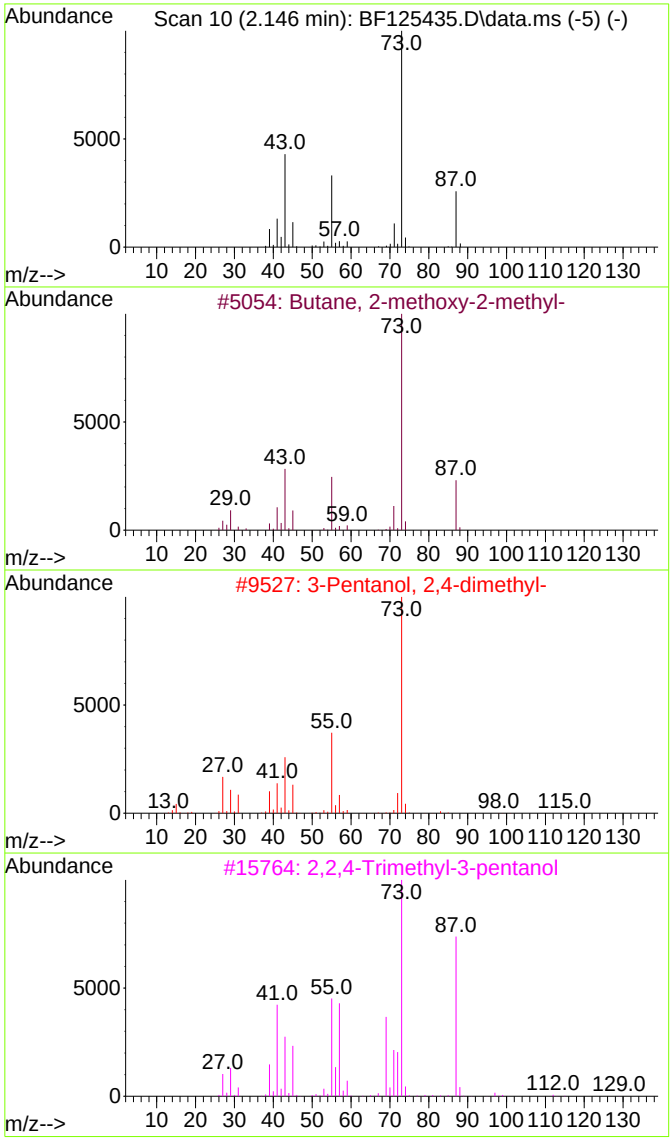
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

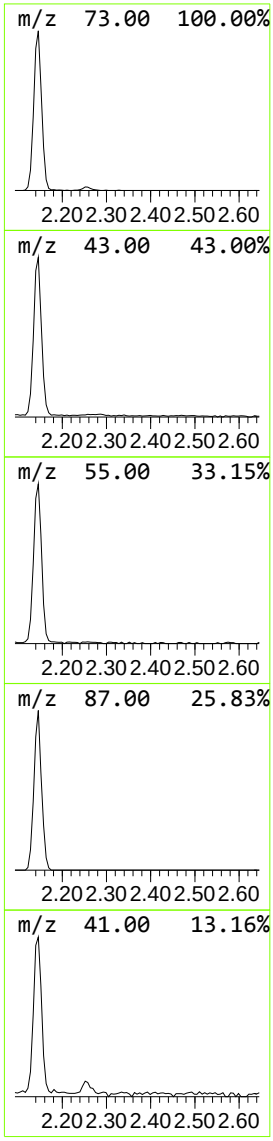
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	13.83 ng	556564	1,4-Dichlorobenzene-d4	6.887

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
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Instrument :
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ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

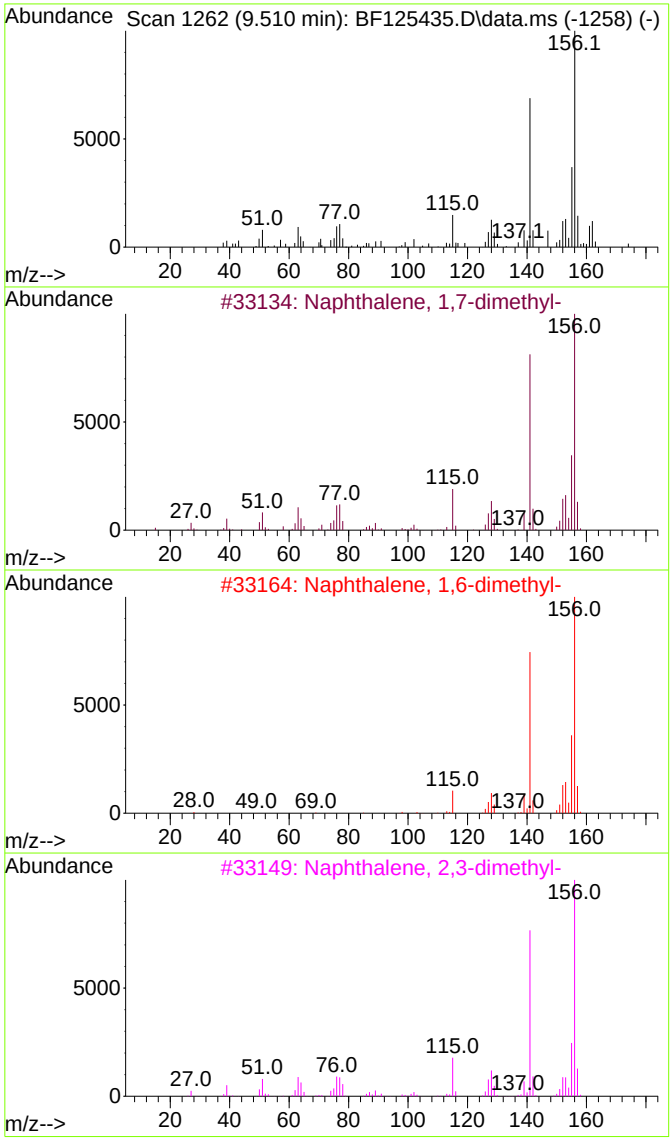
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

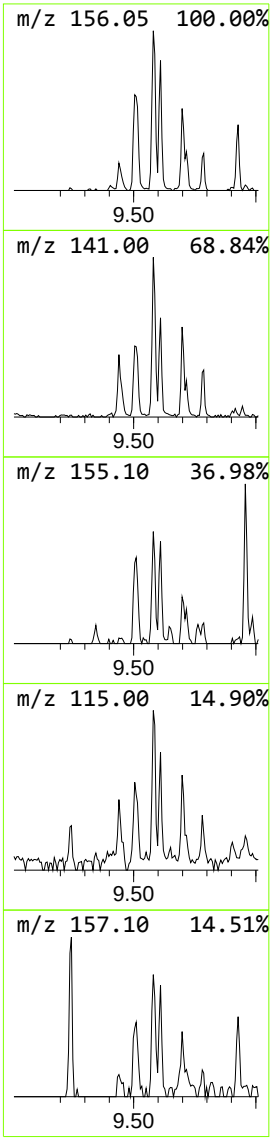
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	3.12 ng	137847	Acenaphthene-d10	9.928

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





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
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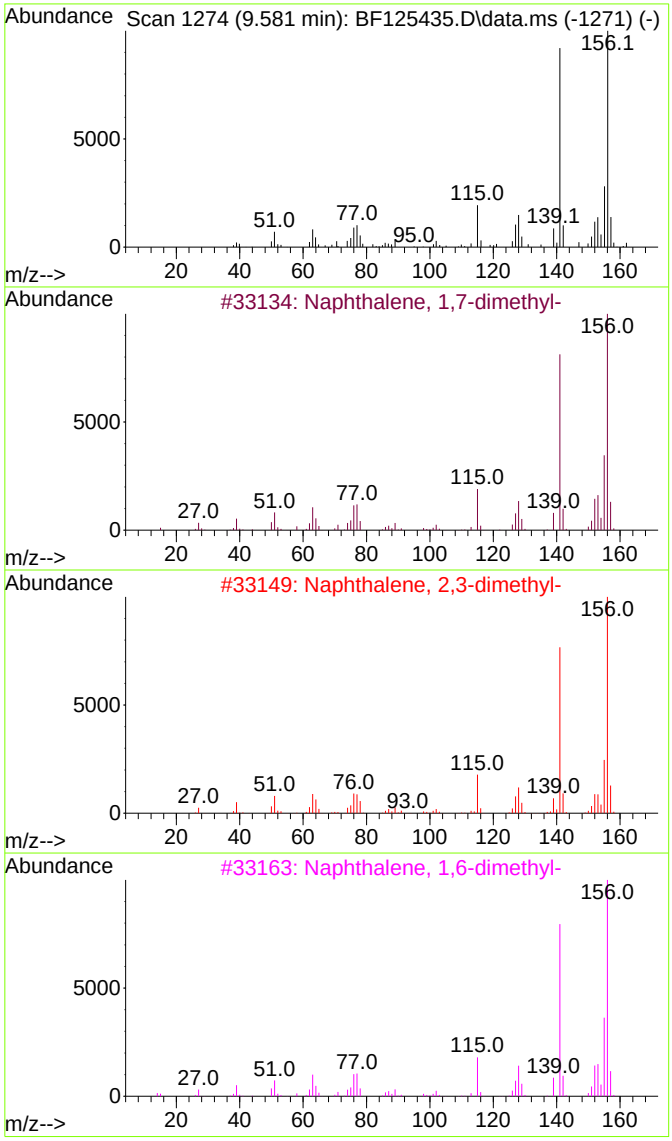
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

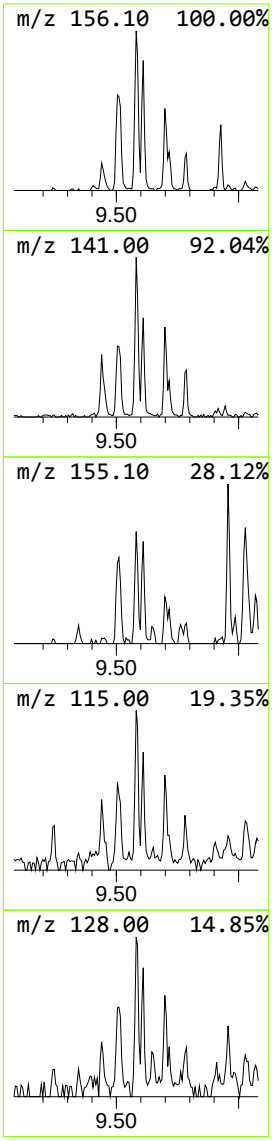
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	3.84 ng	169401	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
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Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

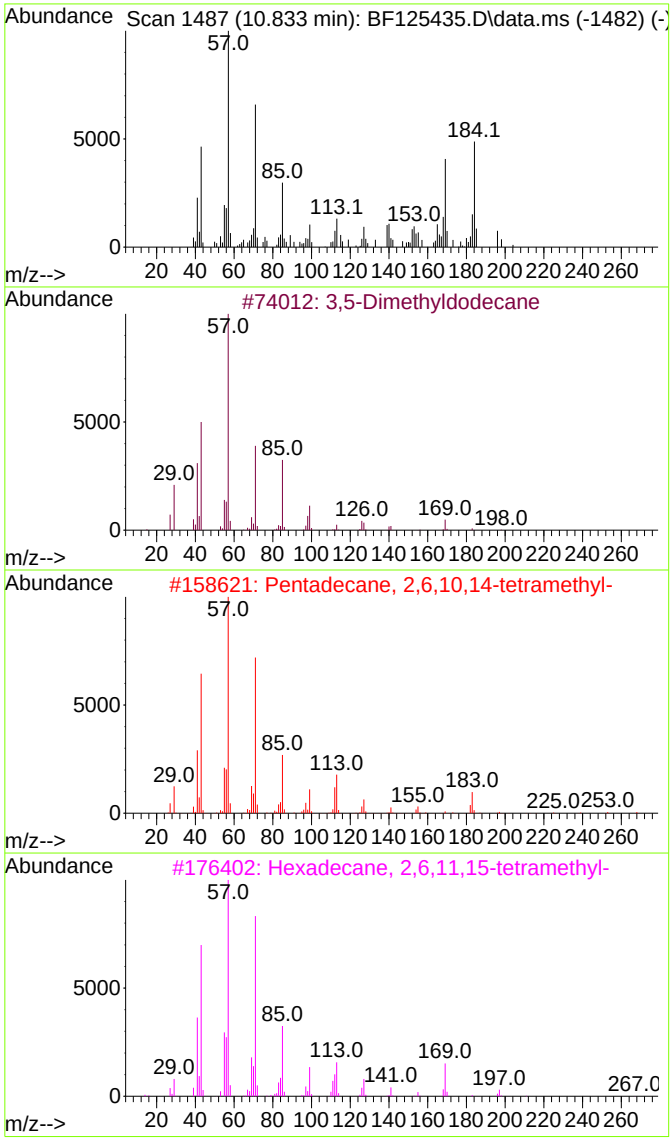
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

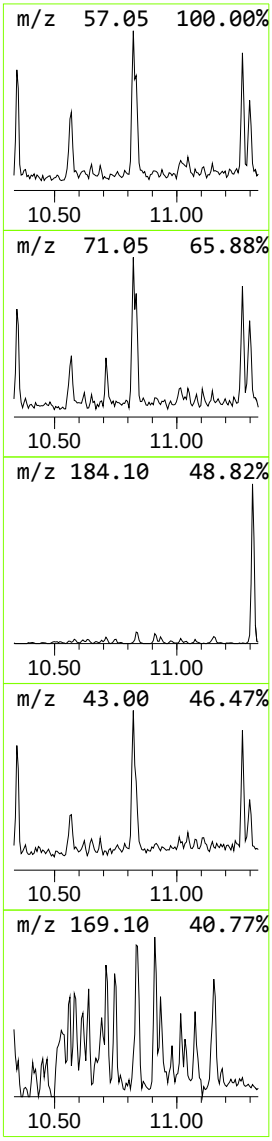
****

Peak Number 4 unknown10.833 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.833	3.82 ng	193638	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	38
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	30
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	30
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
Data File : BF125435.D
Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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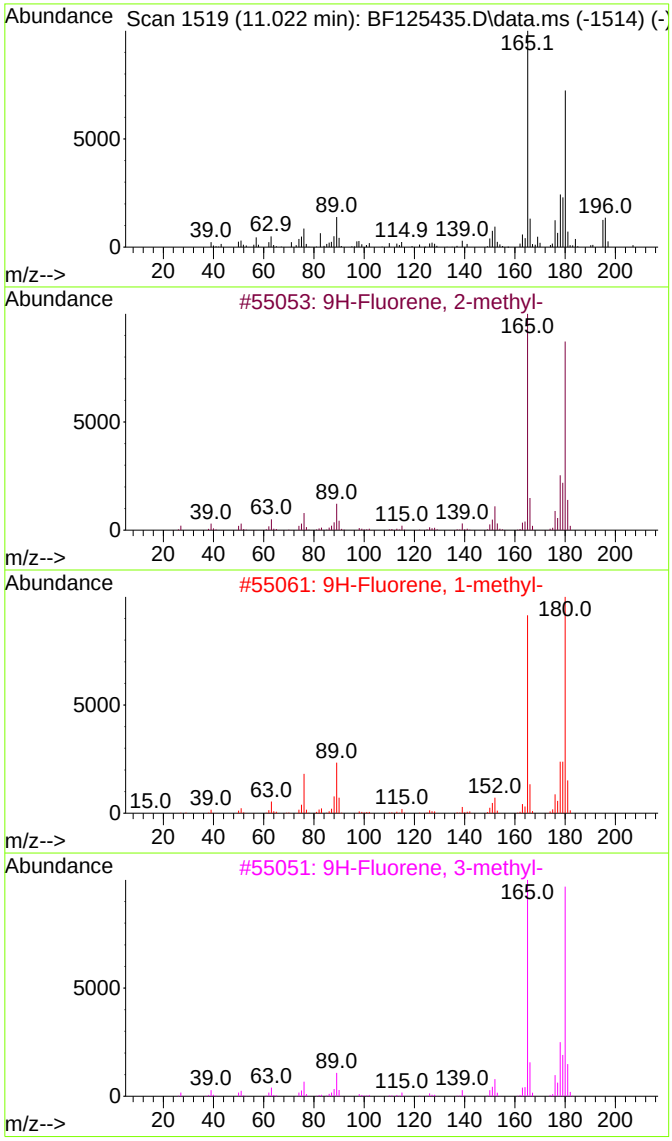
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

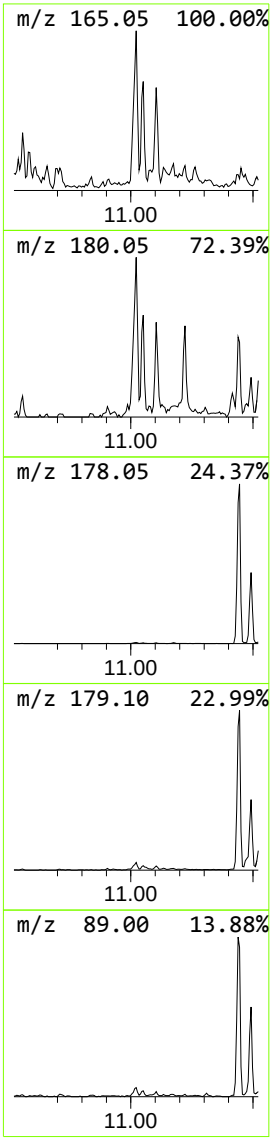
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.022	3.87 ng	196378	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-090921

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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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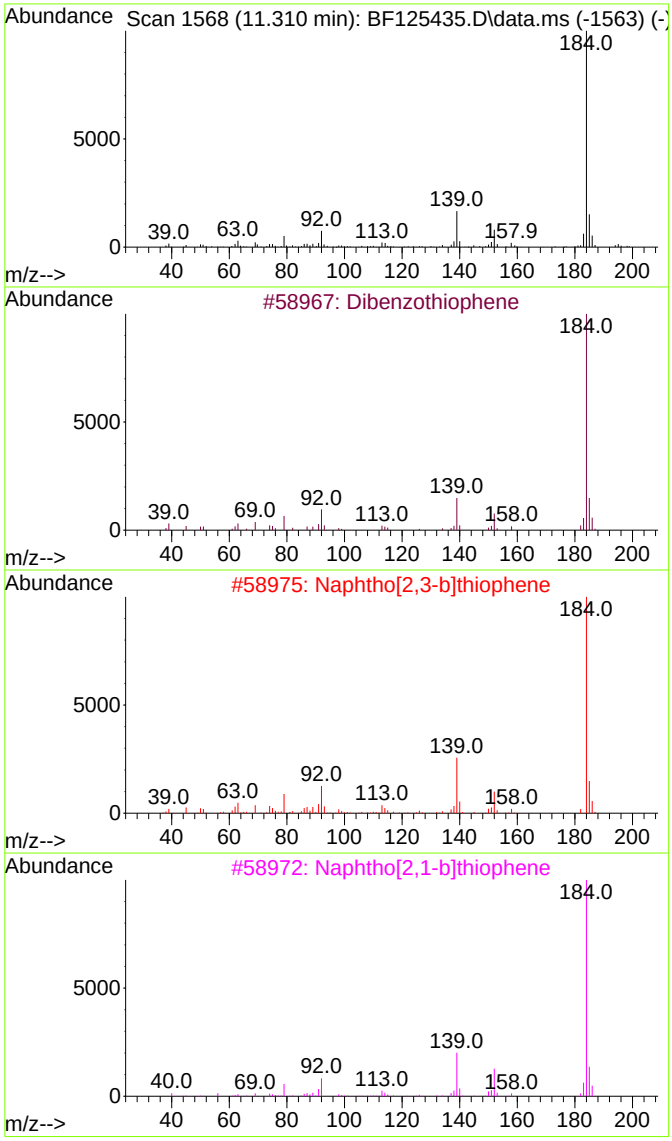
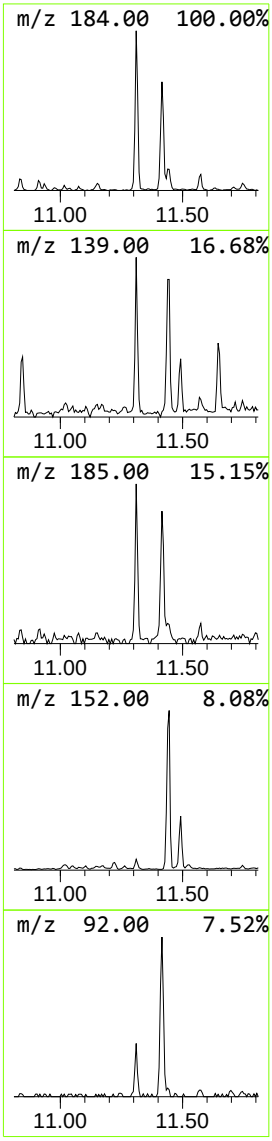
Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	5.28 ng	267674	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
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ClientSampleId :
OK-03-090921

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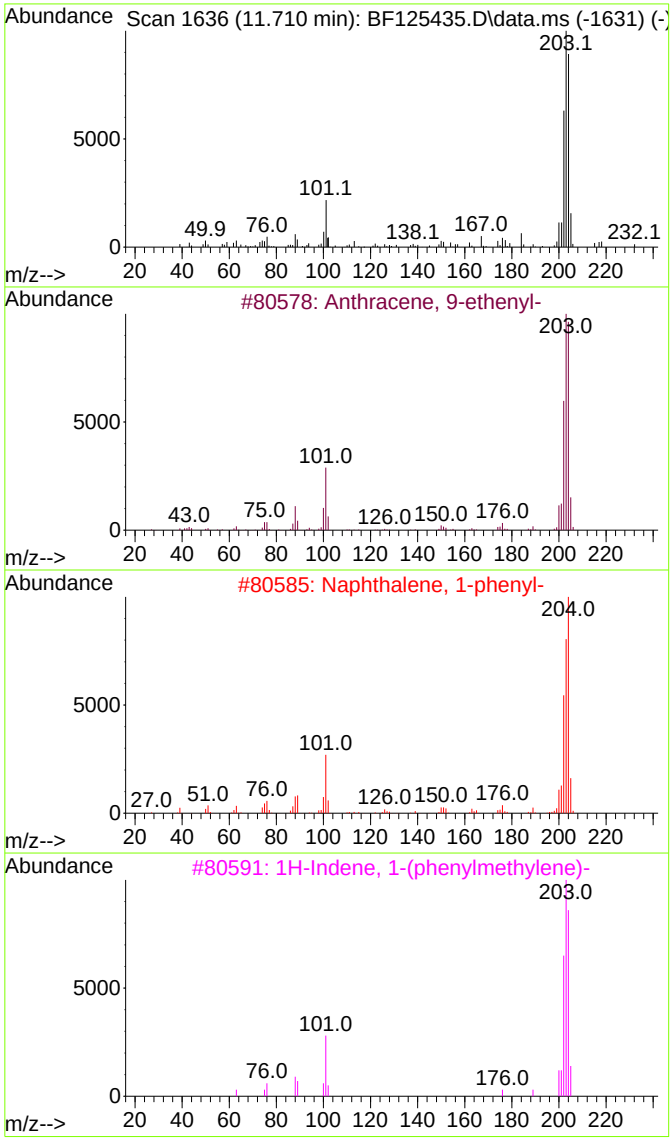
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

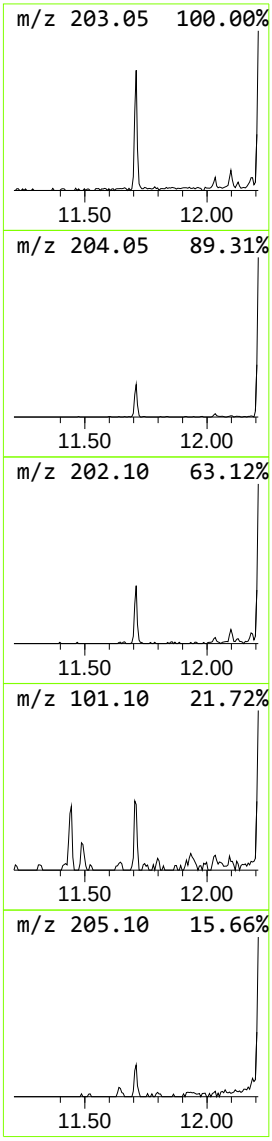
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	3.69 ng	187317	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76





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Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-090921

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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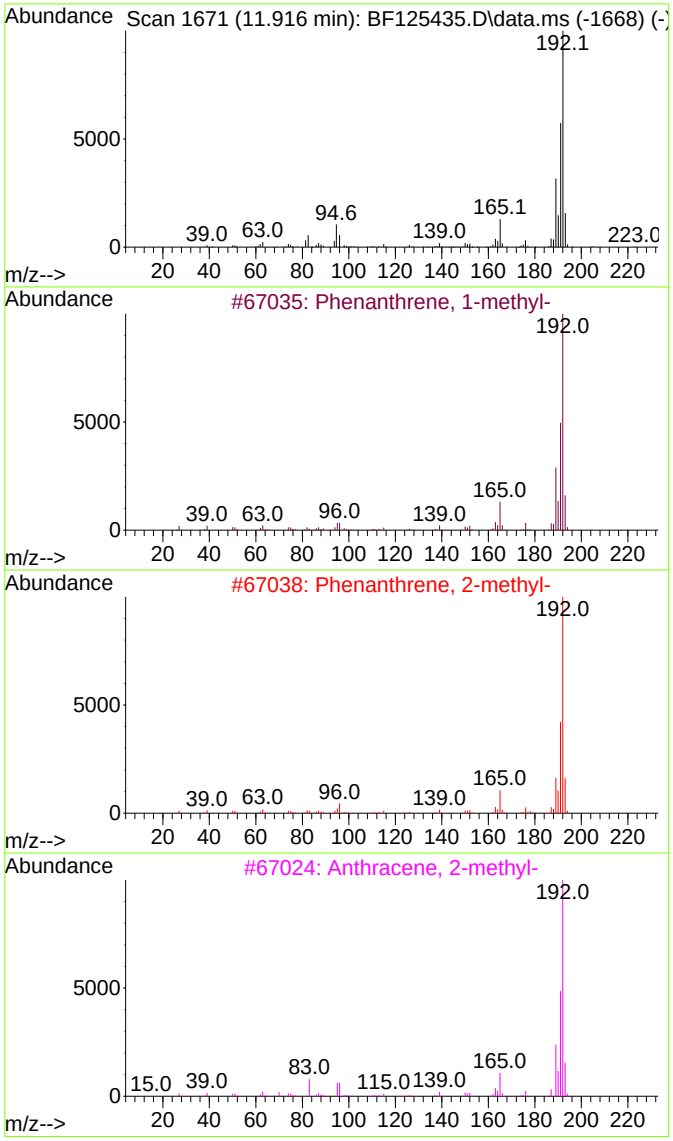
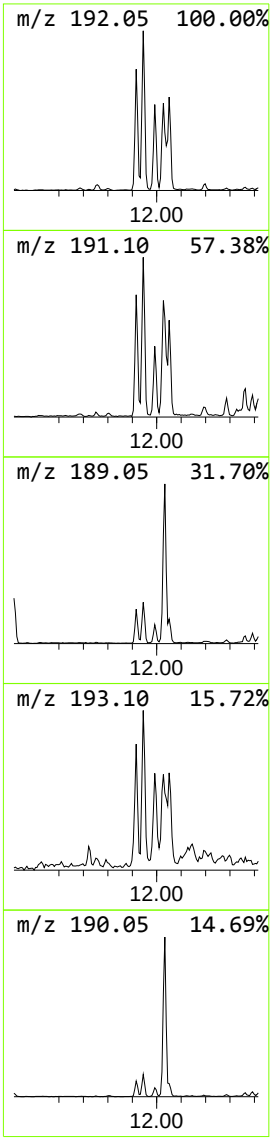
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	8.26 ng	419028	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-090921

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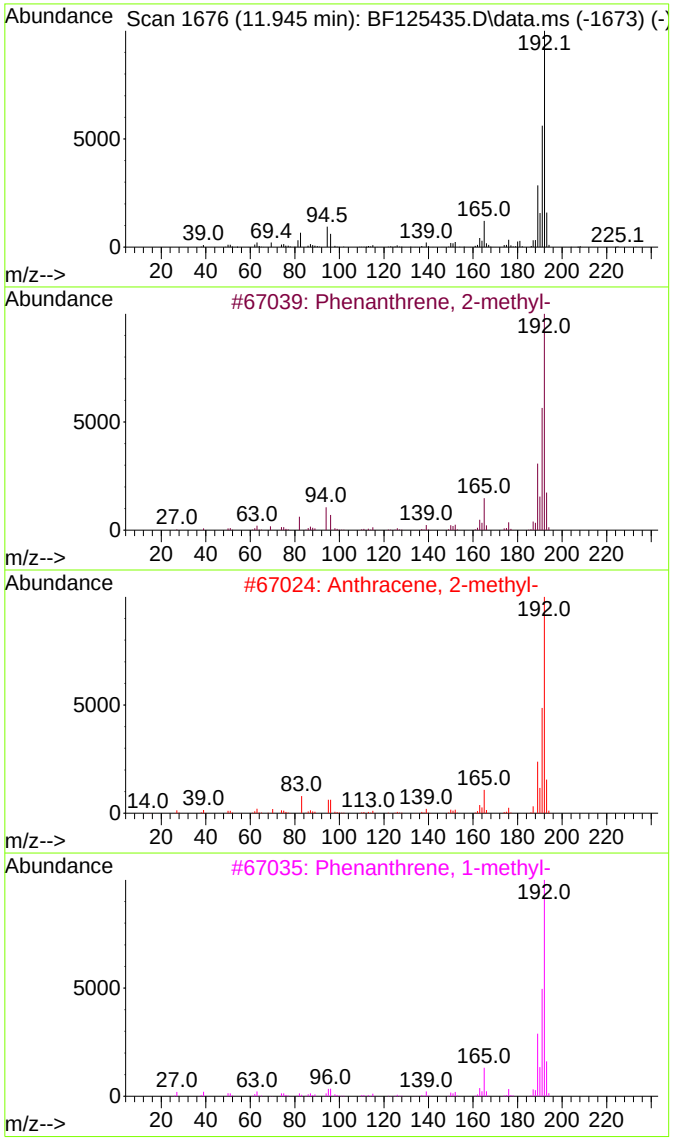
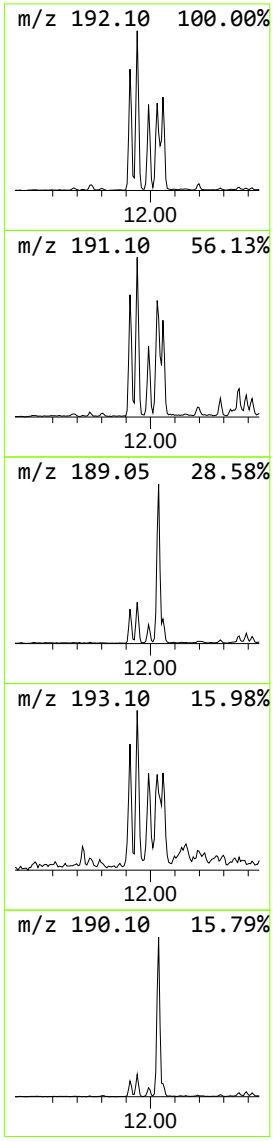
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	12.40 ng	628968	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
ALS Vial : 19 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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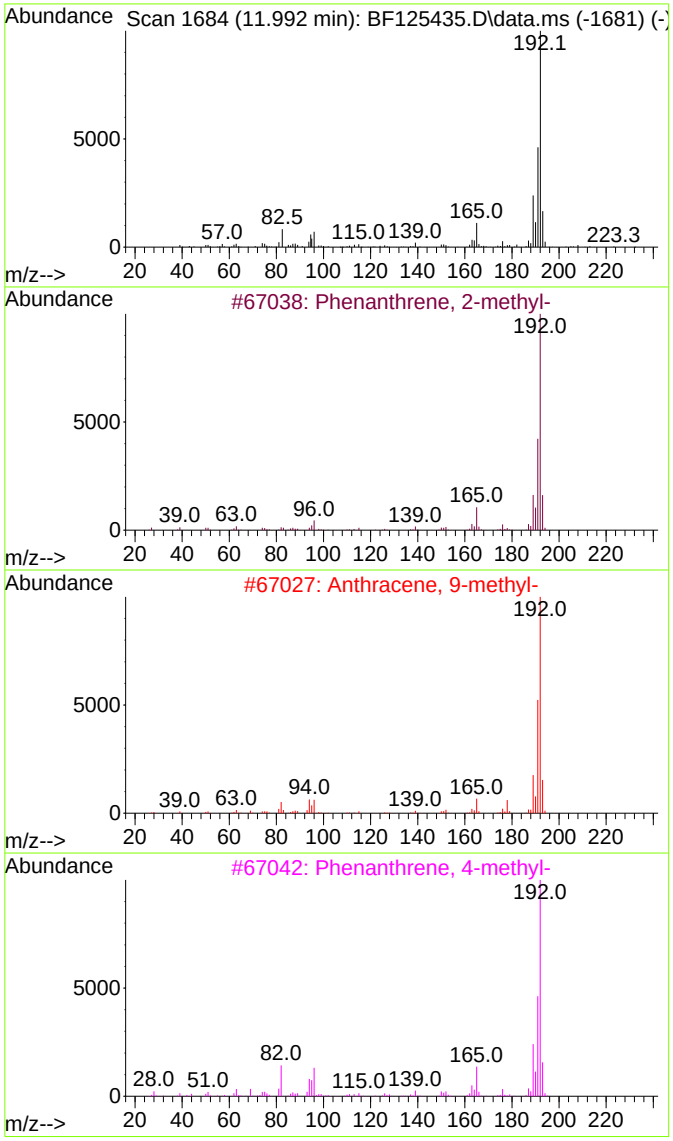
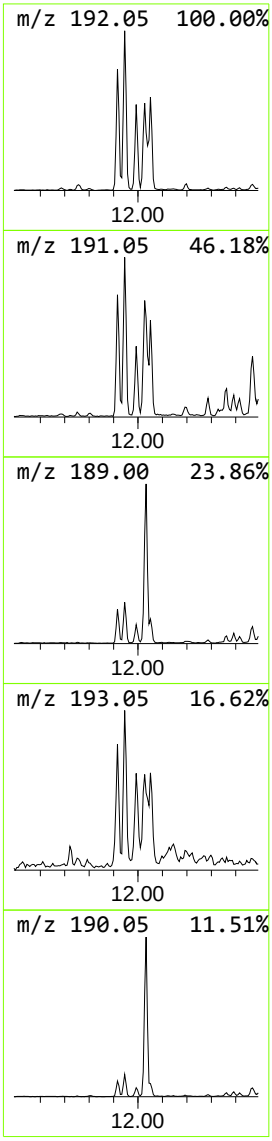
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	5.38 ng	272979	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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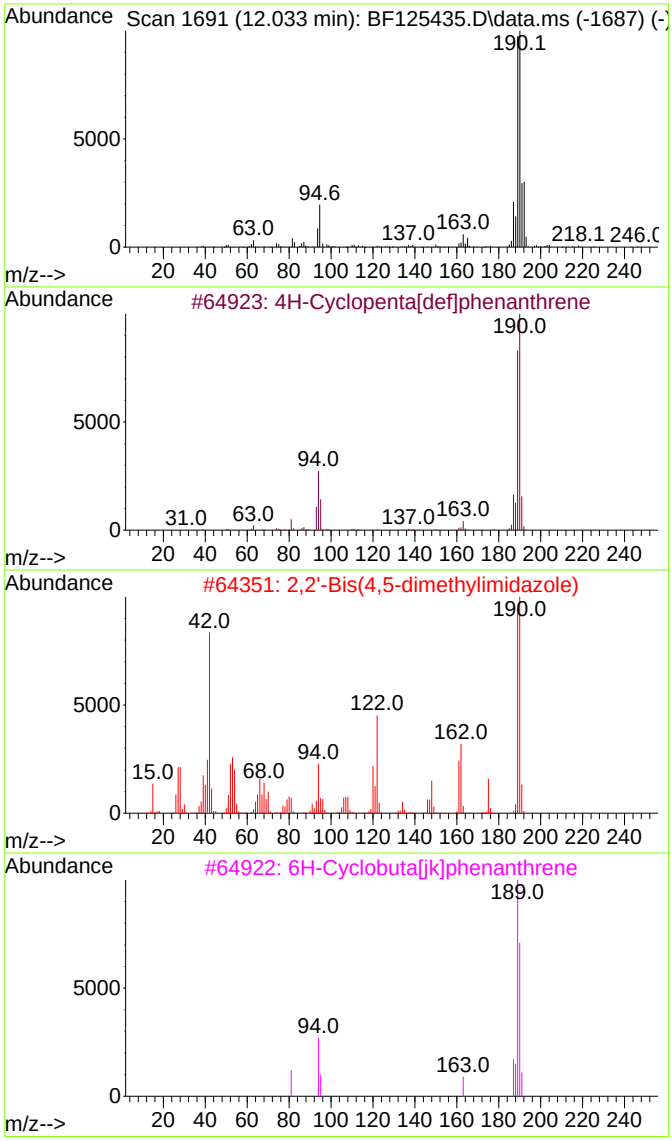
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

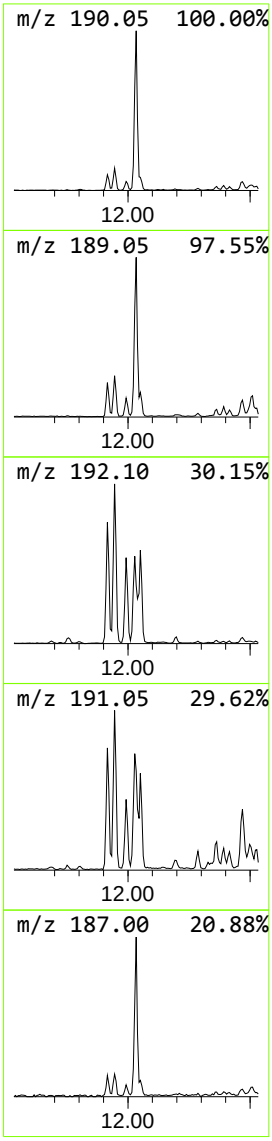
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	18.97 ng	962694	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

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

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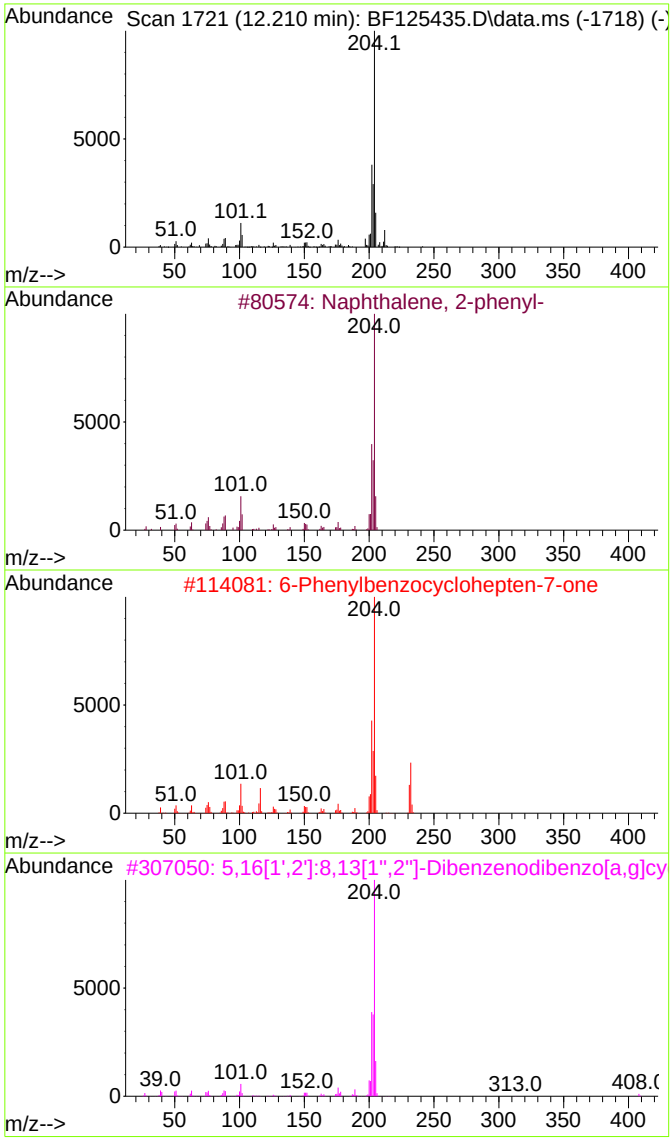
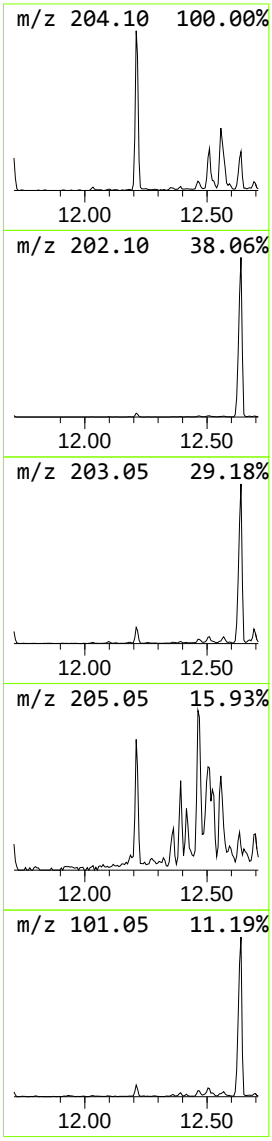
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	5.97 ng	303166	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Misc :
ALS Vial : 19 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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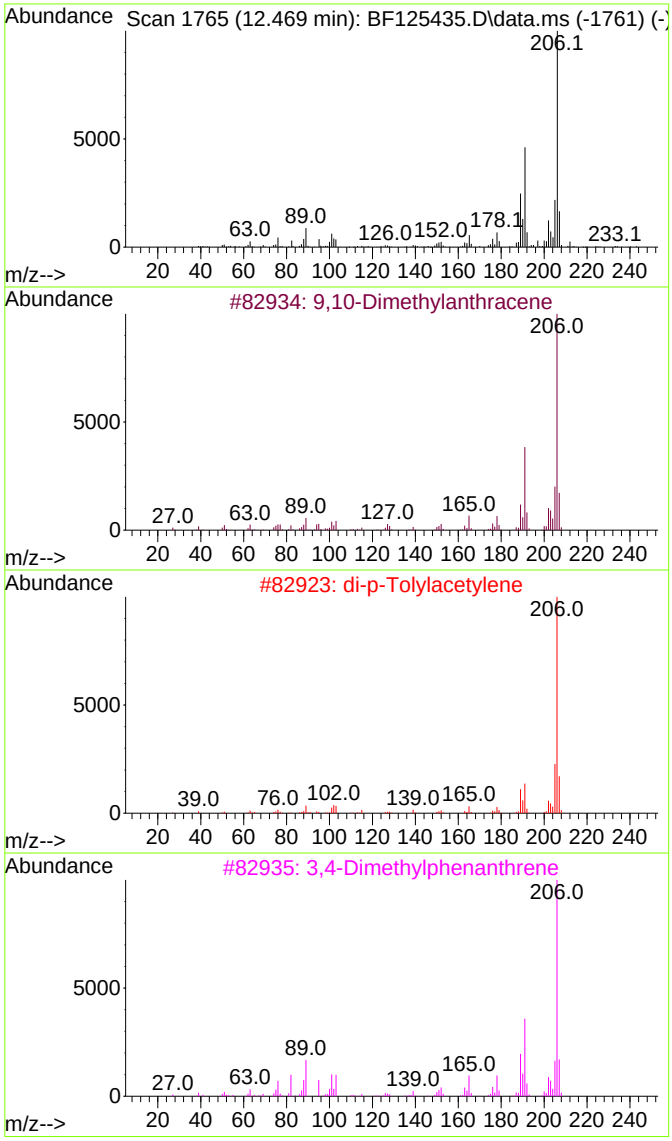
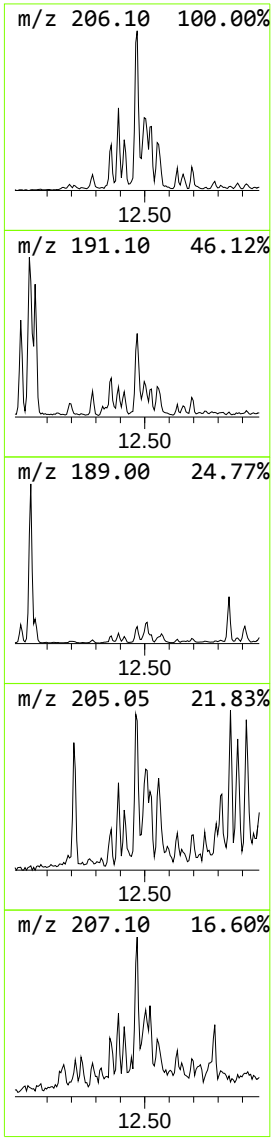
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	7.89 ng	400469	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-090921

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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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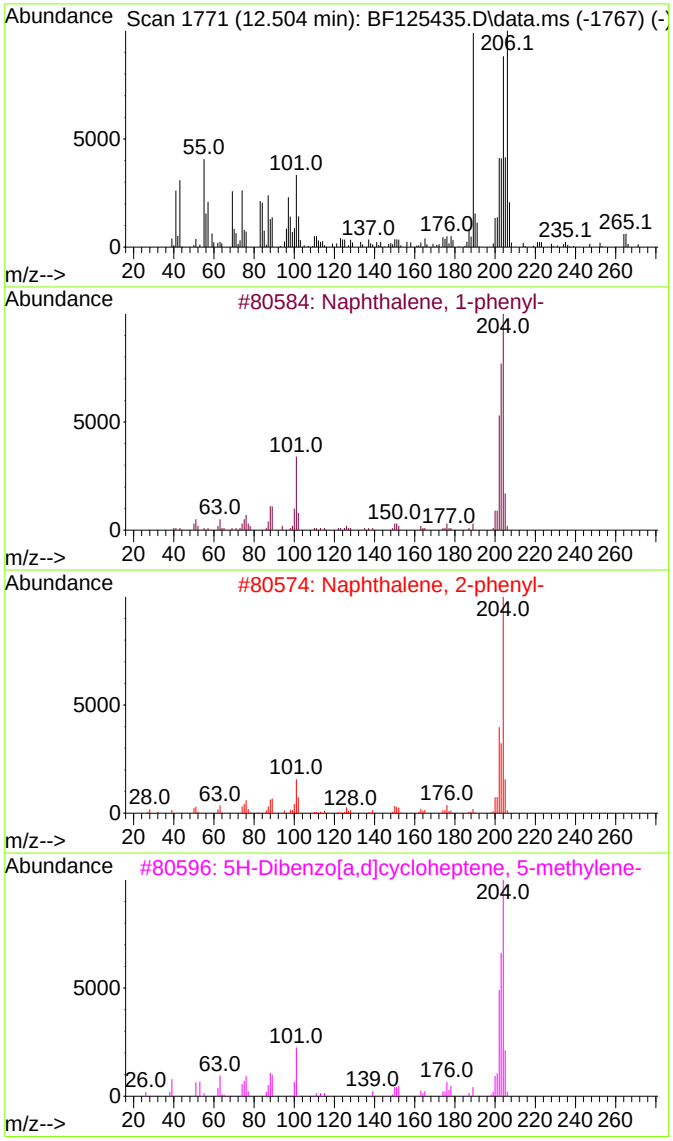
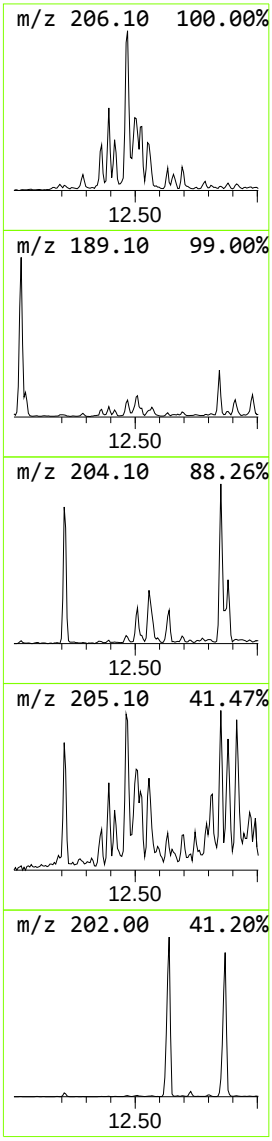
Peak Number 14 unknown12.504 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	11.48 ng	582650	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27





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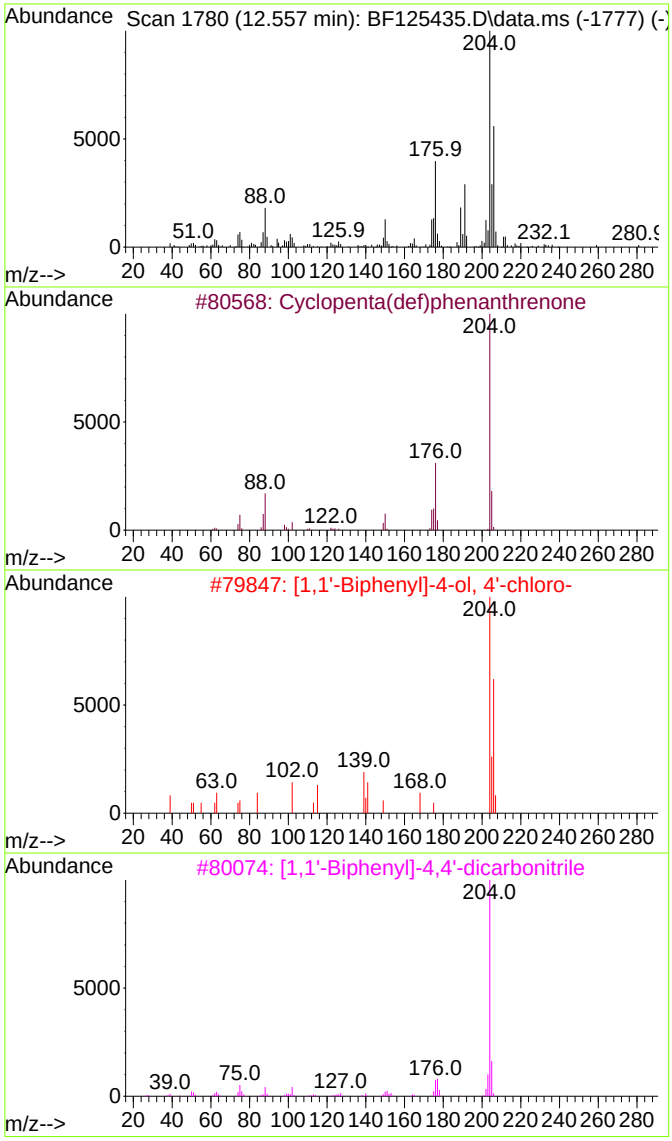
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

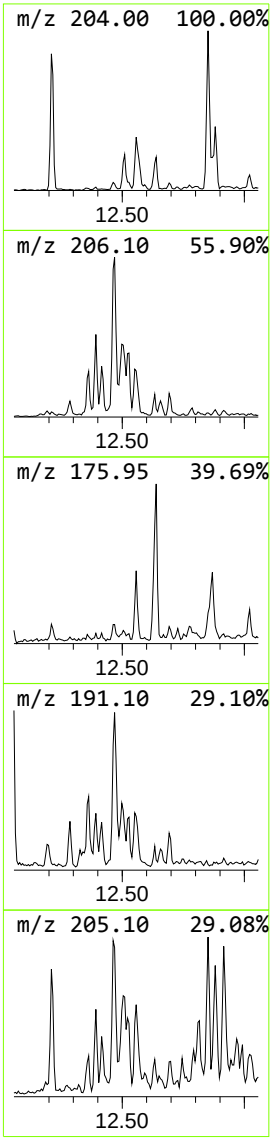
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	5.38 ng	272755	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	30
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	27





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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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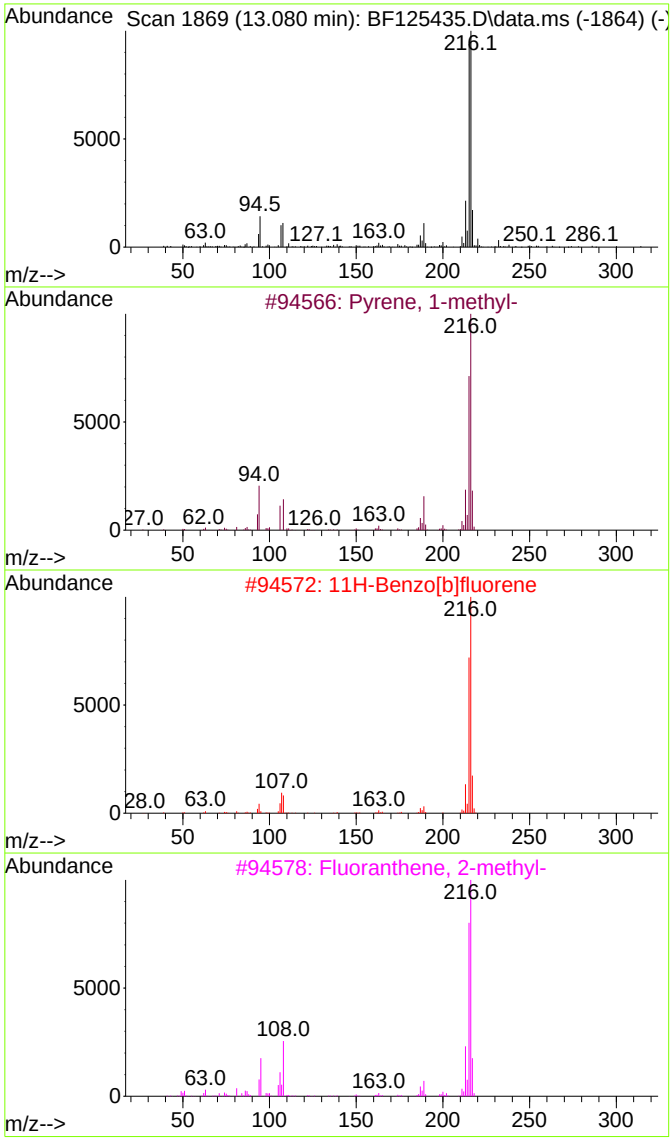
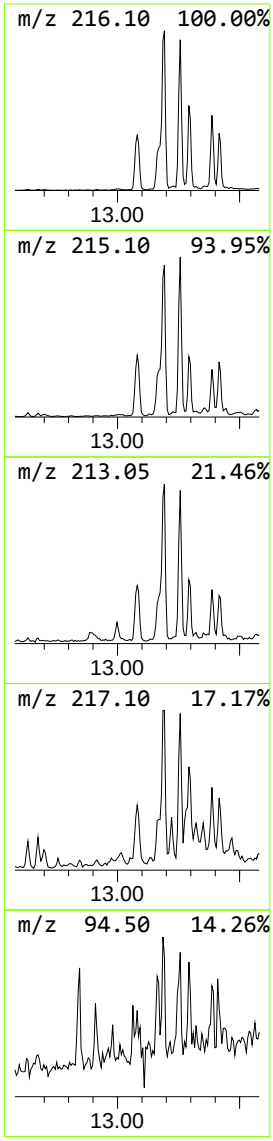
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	3.91 ng	556907	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Data File : BF125435.D
Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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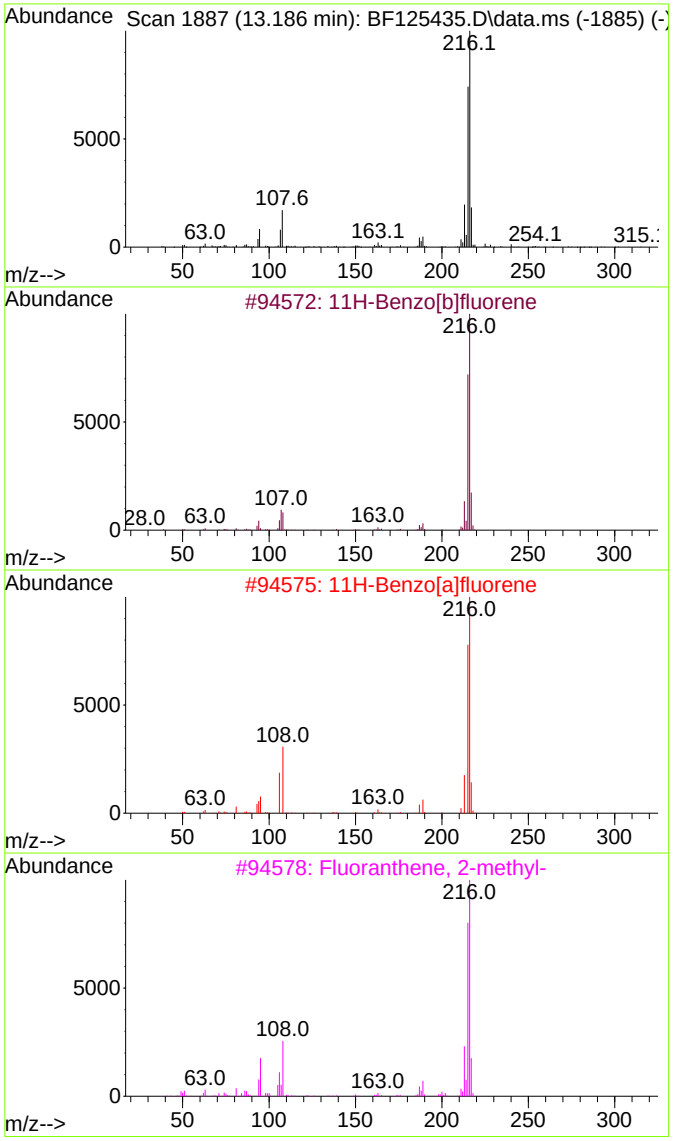
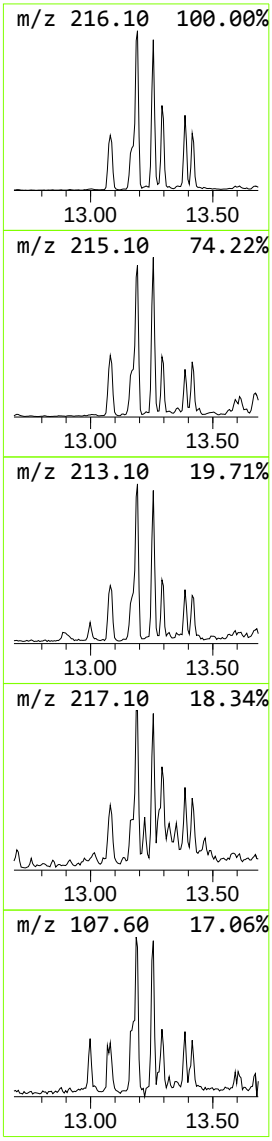
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	4.97 ng	707207	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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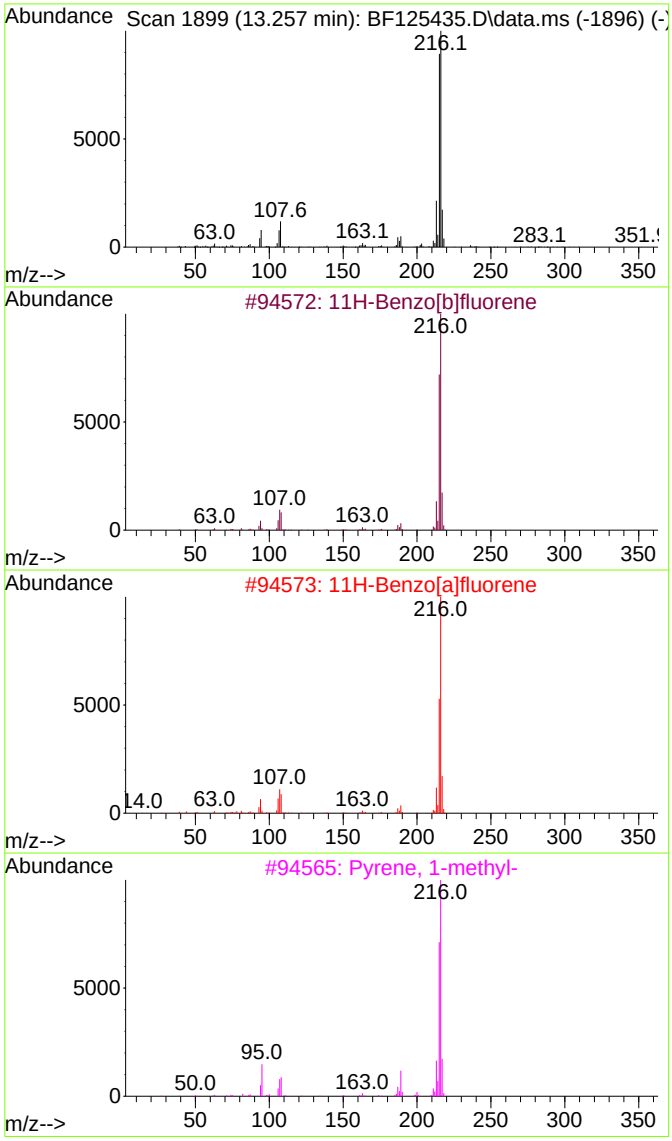
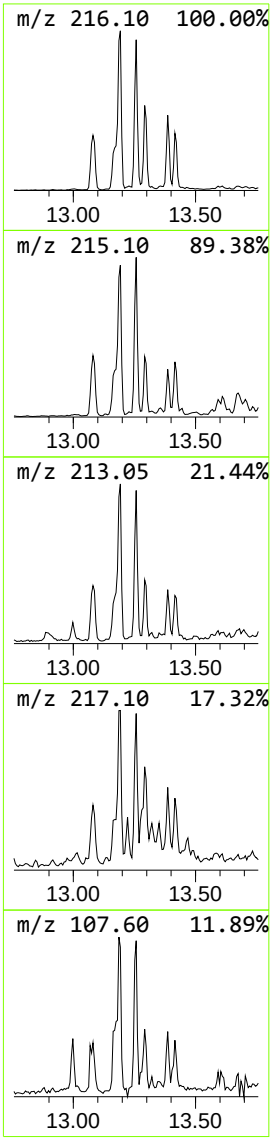
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	4.02 ng	571345	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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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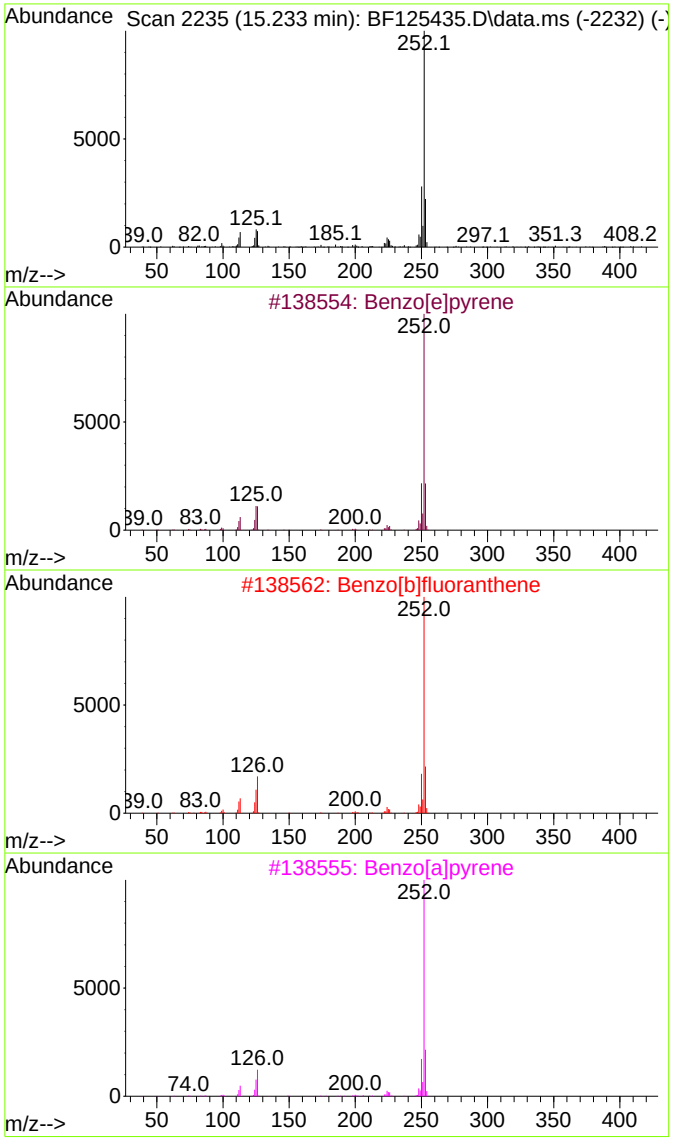
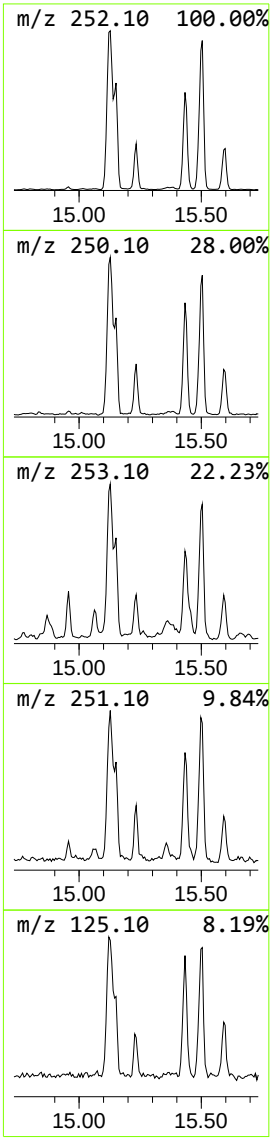
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	7.47 ng	293272	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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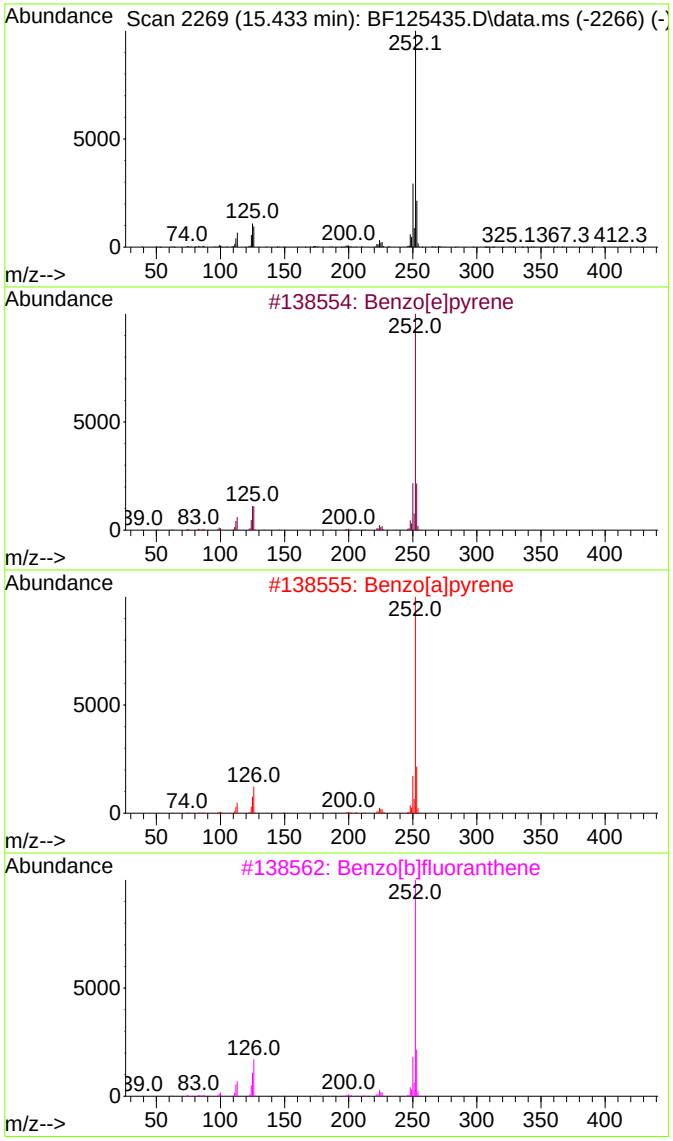
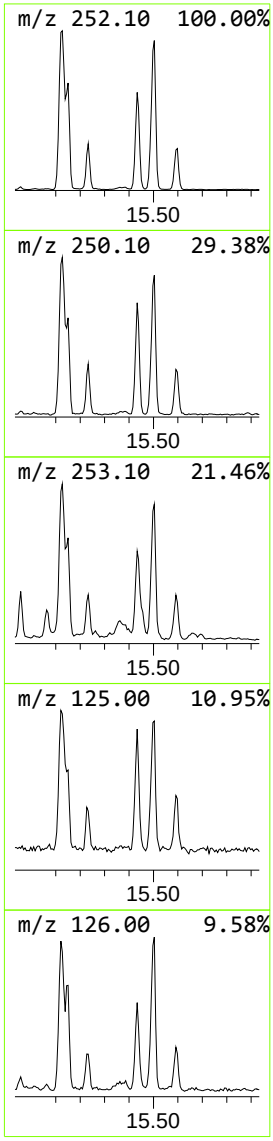
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	21.17 ng	831060	Perylene-d12	15.563

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	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
Data File : BF125435.D
Acq On : 10 Sep 2021 21:14
Operator : JU/CG
Sample : M3691-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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...	2.146	13.8	ng	556564	1	6.887	804720	20.0
Naphthalene, 1,...	9.510	3.1	ng	137847	3	9.928	883316	20.0
Naphthalene, 2,...	9.581	3.8	ng	169401	3	9.928	883316	20.0
unknown10.833	10.833	3.8	ng	193638	4	11.416	1014860	20.0
9H-Fluorene, 2-...	11.022	3.9	ng	196378	4	11.416	1014860	20.0
Dibenzothiophene	11.310	5.3	ng	267674	4	11.416	1014860	20.0
Anthracene, 9-e...	11.710	3.7	ng	187317	4	11.416	1014860	20.0
Phenanthrene, 1...	11.916	8.3	ng	419028	4	11.416	1014860	20.0
Phenanthrene, 2...	11.945	12.4	ng	628968	4	11.416	1014860	20.0
Phenanthrene, 4...	11.992	5.4	ng	272979	4	11.416	1014860	20.0
4H-Cyclopenta[d...	12.033	19.0	ng	962694	4	11.416	1014860	20.0
Naphthalene, 2-...	12.210	6.0	ng	303166	4	11.416	1014860	20.0
9,10-Dimethylan...	12.469	7.9	ng	400469	4	11.416	1014860	20.0
unknown12.504	12.504	11.5	ng	582650	4	11.416	1014860	20.0
Cyclopenta(def)...	12.557	5.4	ng	272755	4	11.416	1014860	20.0
Pyrene, 1-methyl-	13.080	3.9	ng	556907	5	14.069	2845910	20.0
11H-Benzo[b]flu...	13.186	5.0	ng	707207	5	14.069	2845910	20.0
11H-Benzo[a]flu...	13.257	4.0	ng	571345	5	14.069	2845910	20.0
Benzo[e]pyrene	15.233	7.5	ng	293272	6	15.563	785297	20.0
Benzo[j]fluoran...	15.433	21.2	ng	831060	6	15.563	785297	20.0