LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

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-BF011822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126677.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	30	39	44	rVB	207928	288458	7.34%	0.487%
2	4.598	423	427	432	rBV	332668	354555	9.03%	0.599%
3	5.204	524	530	537	rVB	406627	479206	12.20%	0.809%
4	5.587	590	595	598	rBV	3244129	3085890	78.55%	5.213%
5	6.581	758	764	767	rBV	3245580	3502519	89.16%	5.916%
6	6.963	826	829	832	rBV	896027	680711	17.33%	1.150%
7	7.528	919	925	928	rBV	2471730	2344143	59.67%	3.960%
8	8.245	1043	1047	1049	rBV	1065489	848036	21.59%	1.432%
9	8.269	1049	1051	1054	rVB	198649	157287	4.00%	0.266%
10	8.957	1164	1168	1172	rVB	177849	141228	3.60%	0.239%
11	9.057	1181	1185	1189	rBV	153652	120893	3.08%	0.204%
12	9.322	1225	1230	1233	rBV	3949865	3451826	87.87%	5.831%
13	9.586	1271	1275	1279	rBV2	78280	104610	2.66%	0.177%
14	9.657	1284	1287	1290	rBV	122345	125399	3.19%	0.212%
15	10.004	1343	1346	1349	rVV	1047889	825612	21.02%	1.395%
16	10.039	1349	1352	1355	rVB	569021	496604	12.64%	0.839%
17	10.210	1377	1381	1384	rVV	488560	430863	10.97%	0.728%
18	10.551	1435	1439	1444	rBV	554525	485344	12.35%	0.820%
19	10.639	1452	1454	1457	rVB	88455	65832	1.68%	0.111%
20	10.710	1464	1466	1471	rVB	192365	154836	3.94%	0.262%
21	10.792	1476	1480	1484	rVV	1461175	1243491	31.65%	2.100%
22	11.086	1526	1530	1531	rBV3	72866	80588	2.05%	0.136%
23	11.104	1531	1533	1535	rVV2	103590	86664	2.21%	0.146%
24	11.227	1550	1554	1556	rBV3	79730	86257	2.20%	0.146%
25	11.251	1556	1558	1563	rVV2	89822	104562	2.66%	0.177%
26	11.298	1563	1566	1570	rVV	366591	300321	7.64%	0.507%
27	11.345	1570	1574	1578	rVV3	88974	146725	3.73%	0.248%
28	11.392	1579	1582	1587	rVB	355506	299104	7.61%	0.505%
29	11.498	1596	1600	1602	rBV	793781	796046	20.26%	1.345%
30	11.527	1602	1605	1608	rVV	4302202	3928448	100.00%	6.636%
31	11.574	1608	1613	1616	rVV	1394634	1138850	28.99%	1.924%
32	11.721	1632	1638	1642	rBV2	451608	494951	12.60%	0.836%
33	11.792	1645	1650	1653	rVV3	92510	115247	2.93%	0.195%
34	11.827	1653	1656	1661	rVB3	109716	105887	2.70%	0.179%
35	11.998	1682	1685	1688	rBV	486341	453176	11.54%	0.765%
36	12.027	1688	1690	1694	rVB	748083	561410	14.29%	0.948%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

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-BF011822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.074	1694	1698	1701	rBV	249901	221844	5.65%	0.375%
38	12.116	1701	1705	1707	rBV2	586055	672896	17.13%	1.137%
39	12.133	1707	1708	1711	rVB	311195	180390	4.59%	0.305%
40	12.180	1712	1716	1718	rBV3	57813	78706	2.00%	0.133%
41	12.298	1732	1736	1737	rBV	349867	311993	7.94%	0.527%
42	12.321	1737	1740	1743	rVV	386105	360385	9.17%	0.609%
43	12.445	1758	1761	1763	rBV	103244	80821	2.06%	0.137%
44	12.474	1763	1766	1768	rVV	88931	64261	1.64%	0.109%
45	12.498	1768	1770	1773	rVB	95351	71144	1.81%	0.120%
46	12.551	1775	1779	1782	rBV	186662	205721	5.24%	0.347%
47	12.586	1782	1785	1787	rVV3	94931	118911	3.03%	0.201%
48	12.639	1791	1794	1799	rVB	243928	256798	6.54%	0.434%
49	12.721	1803	1808	1811	rVB	3739283	3482605	88.65%	5.883%
50	12.774	1816	1817	1822	rVB2	88113	64829	1.65%	0.110%
51	12.845	1825	1829	1830	rBV2	95557	116622	2.97%	0.197%
52	12.868	1830	1833	1836	rVB	149025	124839	3.18%	0.211%
53	12.951	1840	1847	1850	rBV2	3083069	3473701	88.42%	5.868%
54	12.992	1850	1854	1859	rVB2	200152	196929	5.01%	0.333%
55	13.063	1863	1866	1867	rBV	254780	207791	5.29%	0.351%
56	13.086	1867	1870	1876	rVB	3069052	2978360	75.82%	5.031%
57	13.163	1878	1883	1886	rBV2	213931	380996	9.70%	0.644%
58	13.192	1886	1888	1891	rVB	87606	68500	1.74%	0.116%
59	13.245	1891	1897	1899	rBV5	169329	246834	6.28%	0.417%
60	13.274	1899	1902	1905	rVB2	329449	315004	8.02%	0.532%
61	13.339	1910	1913	1915	rBV	178134	141379	3.60%	0.239%
62	13.374	1915	1919	1922	rBV2	324699	354124	9.01%	0.598%
63	13.404	1922	1924	1926	rVB2	81372	64098	1.63%	0.108%
64	13.433	1926	1929	1931	rBV	71727	66401	1.69%	0.112%
65	13.468	1932	1935	1938	rBV	147461	113972	2.90%	0.193%
66	13.504	1938	1941	1944	rBV2	139597	157156	4.00%	0.265%
67	13.562	1948	1951	1958	rVB6	150612	209720	5.34%	0.354%
68	13.651	1962	1966	1967	rBV3	81956	96744	2.46%	0.163%
69	13.780	1984	1988	1992	rVB	421582	393656	10.02%	0.665%
70	13.892	2002	2007	2010	rBV2	334547	441476	11.24%	0.746%
71	13.921	2010	2012	2014	rVV	332843	270279	6.88%	0.457%
72	13.945	2014	2016	2020	rVV2	246631	372587	9.48%	0.629%
73	13.986	2020	2023	2030	rVB2	538951	640119	16.29%	1.081%
74	14.062	2034	2036	2042	rVB2	83538	110308	2.81%	0.186%
75	14.139	2042	2049	2053	rBV3	2027444	3056173	77.80%	5.162%
76	14.174	2053	2055	2060	rVB	1684783	1507969	38.39%	2.547%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

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-BF011822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.251	2066	2068	2071	rVB	129810	100482	2.56%	0.170%
78	14.333	2080	2082	2084	rVB	142380	106147	2.70%	0.179%
79	14.368	2084	2088	2091	rVV2	171377	199293	5.07%	0.337%
80	14.404	2091	2094	2096	rVB	78443	68877	1.75%	0.116%
81	14.498	2108	2110	2111	rVV	81548	74185	1.89%	0.125%
82	14.533	2111	2116	2119	rVV	443042	580197	14.77%	0.980%
83	14.568	2119	2122	2125	rVV	198470	202210	5.15%	0.342%
84	14.627	2126	2132	2135	rVV4	105344	206408	5.25%	0.349%
85	14.662	2135	2138	2140	rVV2	144166	138864	3.53%	0.235%
86	14.686	2140	2142	2146	rVB2	100187	88781	2.26%	0.150%
87	14.851	2166	2170	2173	rBV2	123565	151885	3.87%	0.257%
88	15.009	2194	2197	2199	rBV	164814	181736	4.63%	0.307%
89	15.121	2213	2216	2218	rBV4	65391	70396	1.79%	0.119%
90	15.221	2228	2233	2236	rBV	1008732	1693377	43.11%	2.860%
91	15.251	2236	2238	2241	rVB	629627	550555	14.01%	0.930%
92	15.333	2248	2252	2255	rVB	213270	229972	5.85%	0.388%
93	15.427	2265	2268	2270	rBV2	65187	86894	2.21%	0.147%
94	15.545	2283	2288	2294	rVB	571660	851168	21.67%	1.438%
95	15.609	2294	2299	2305	rBV	897546	1102222	28.06%	1.862%
96	15.674	2305	2310	2313	rBV	466423	647843	16.49%	1.094%
97	15.704	2313	2315	2322	rVB2	254099	349892	8.91%	0.591%
98	17.233	2569	2575	2586	rVB2	284123	642561	16.36%	1.085%
99	17.427	2604	2608	2613	rBV	73571	121786	3.10%	0.206%
100	17.709	2650	2656	2662	rBV	198454	392207	9.98%	0.663%

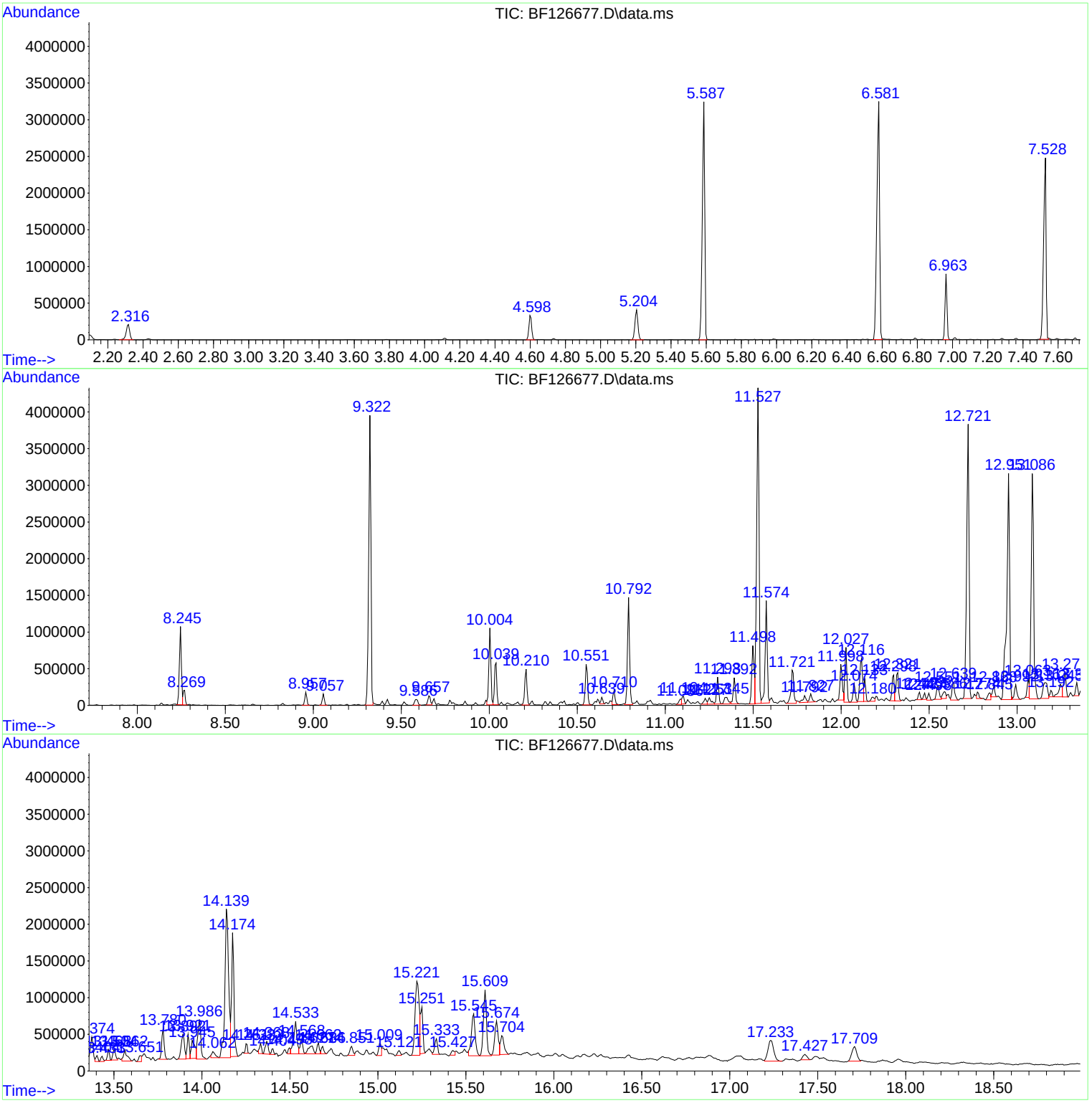
Sum of corrected areas: 59200558

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

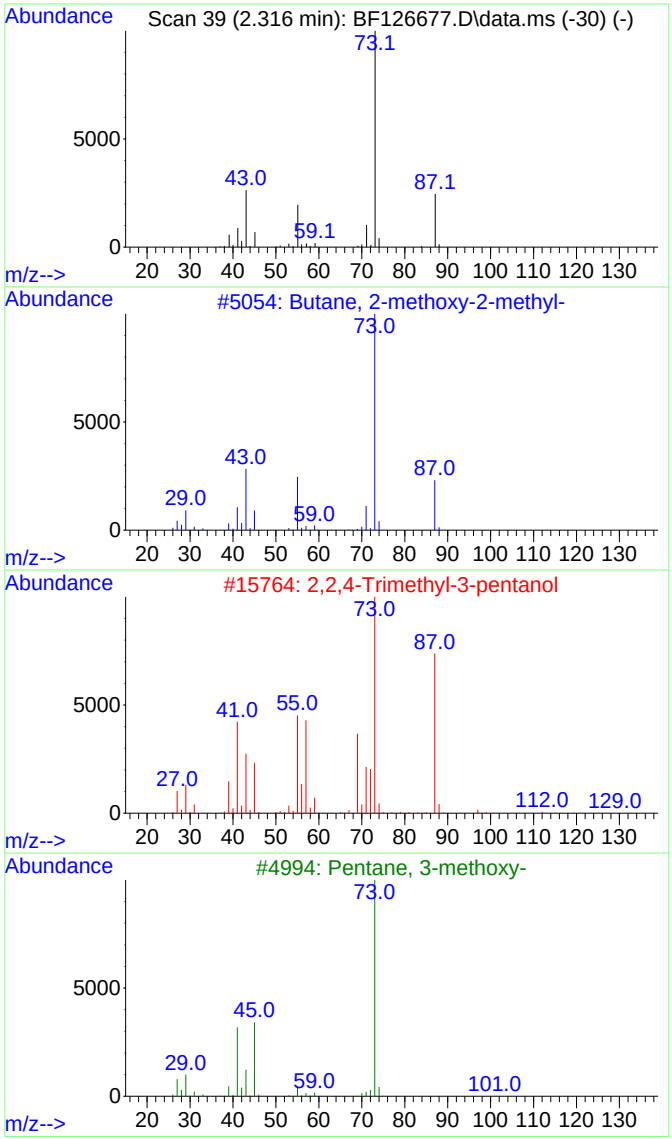
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

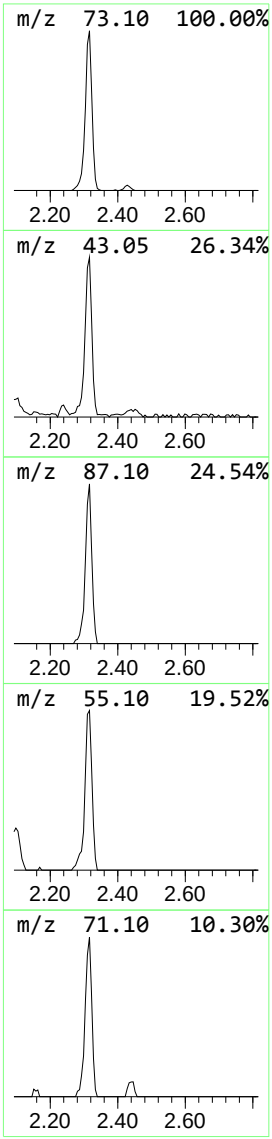
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.316	8.48 ng	288458	1,4-Dichlorobenzene-d4	6.963

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

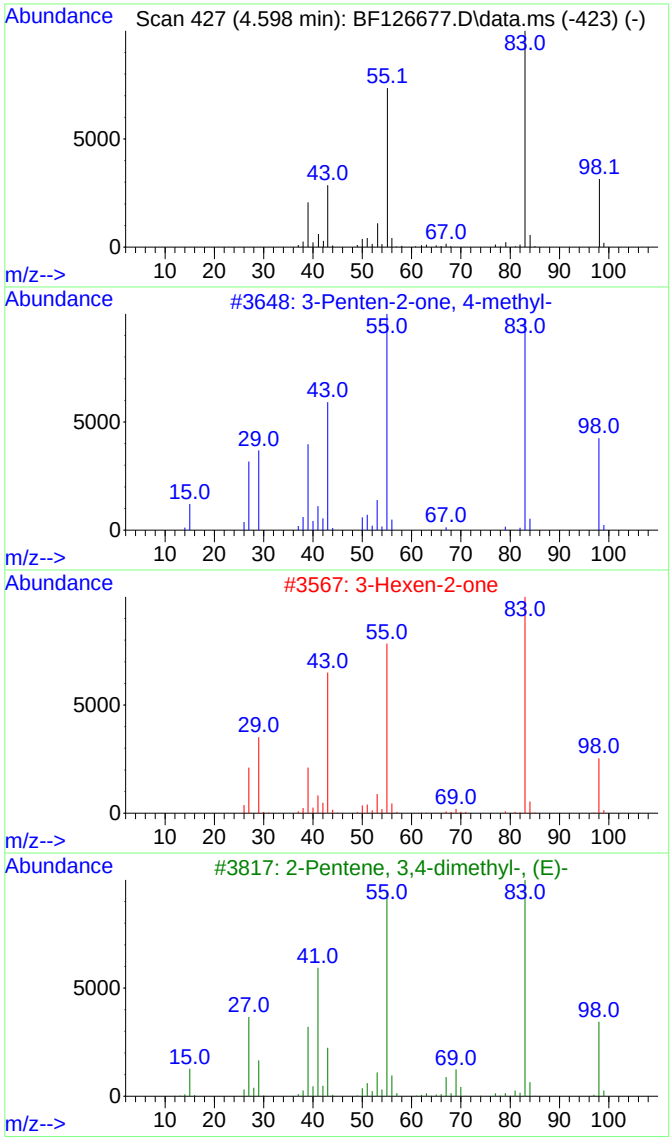
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

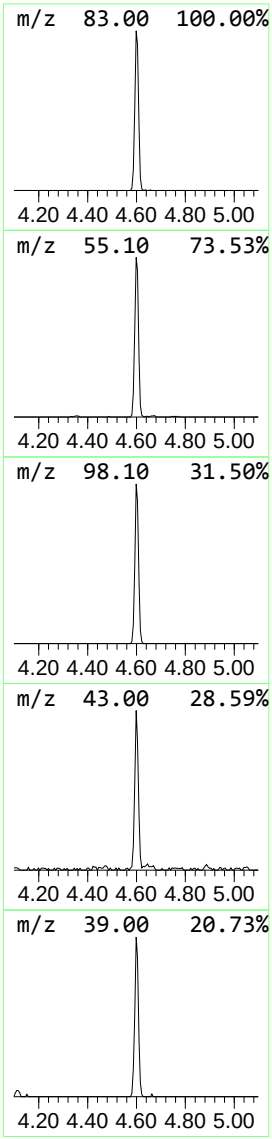
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.598	10.42 ng	354555	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

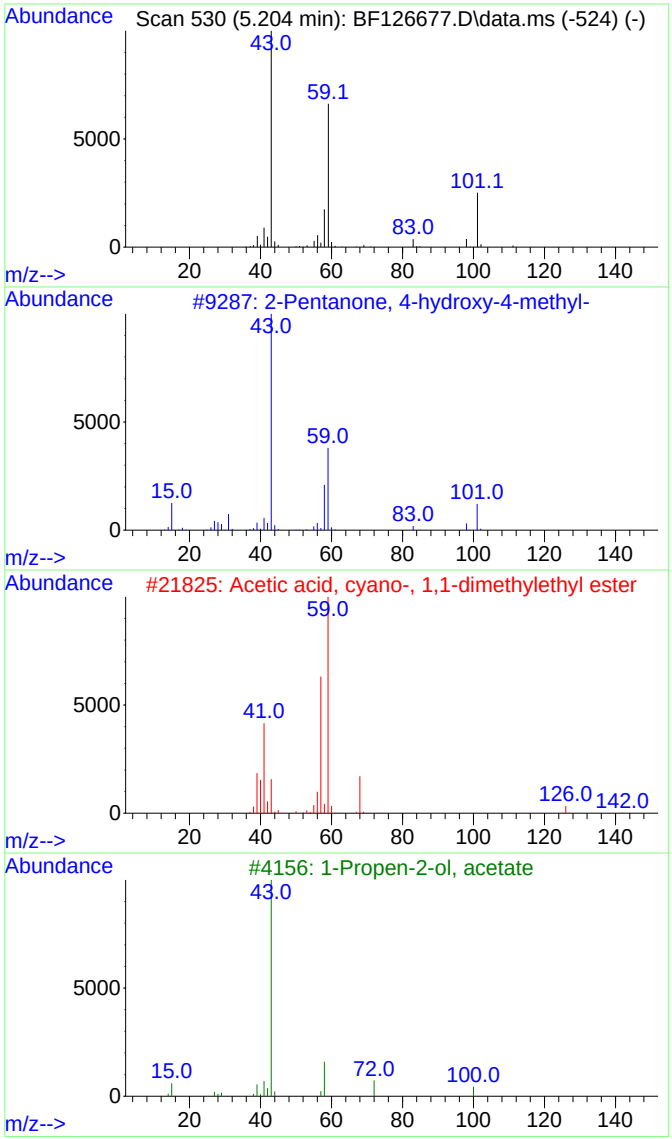
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

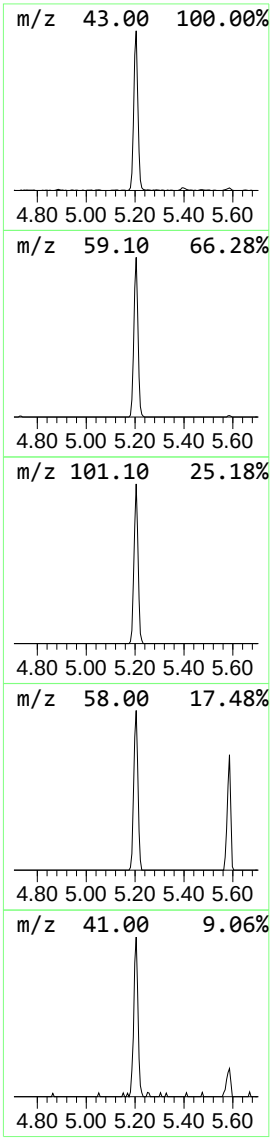
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.204	14.08 ng	479206	1,4-Dichlorobenzene-d4	6.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

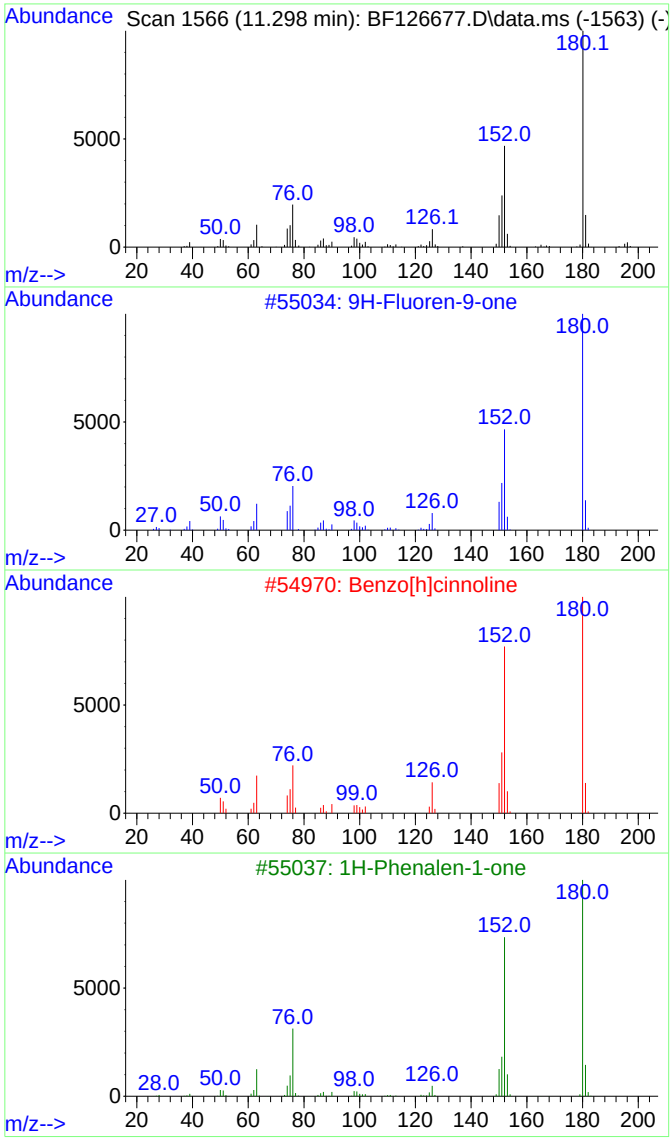
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

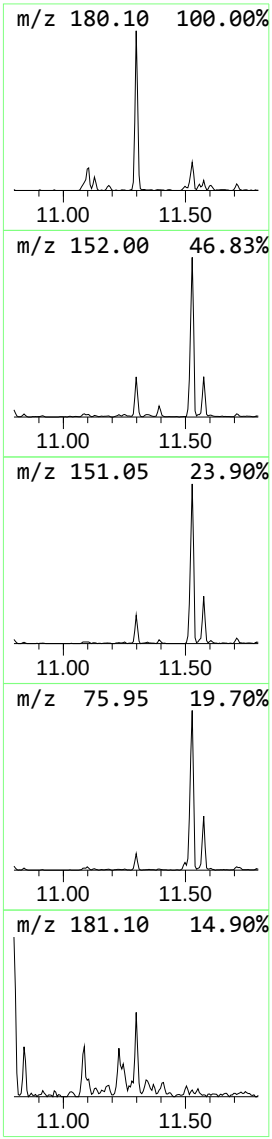
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	7.55 ng	300321	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	98
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	53
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

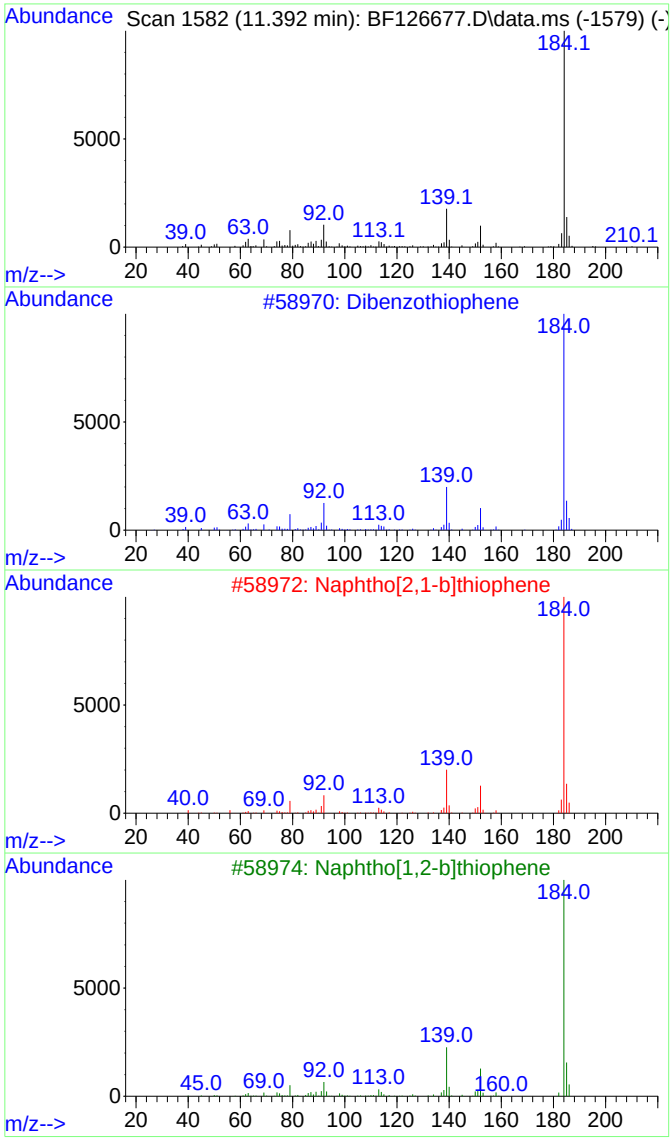
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

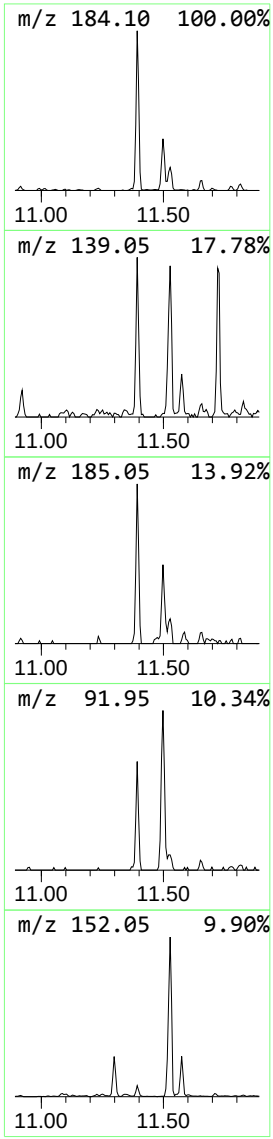
****

Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.392	7.51 ng	299104	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94





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Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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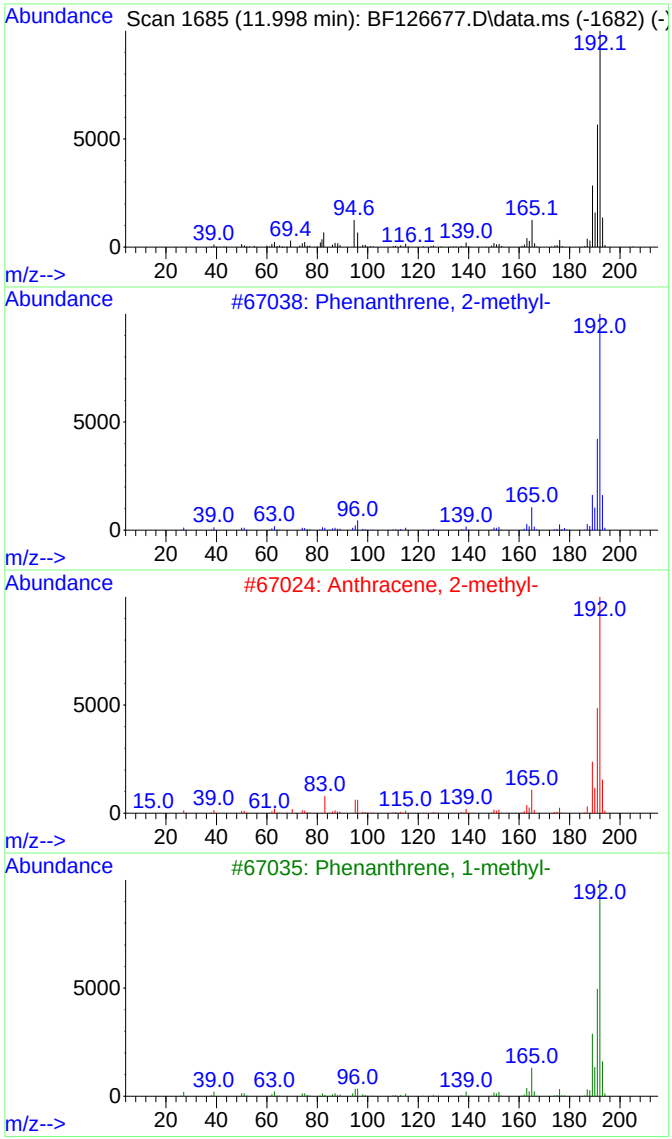
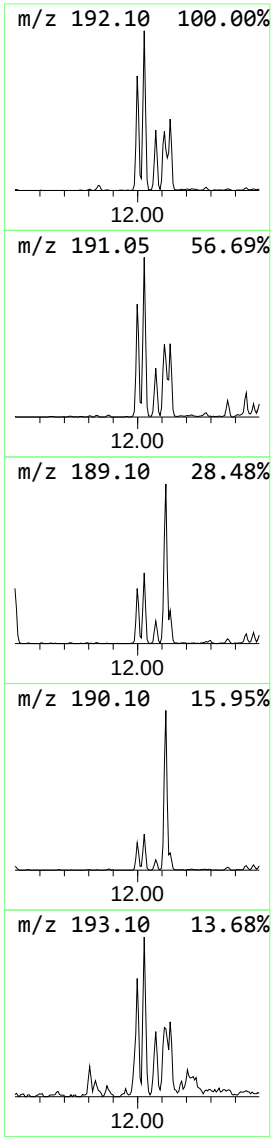
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	11.39 ng	453176	Phenanthrene-d10	11.498

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

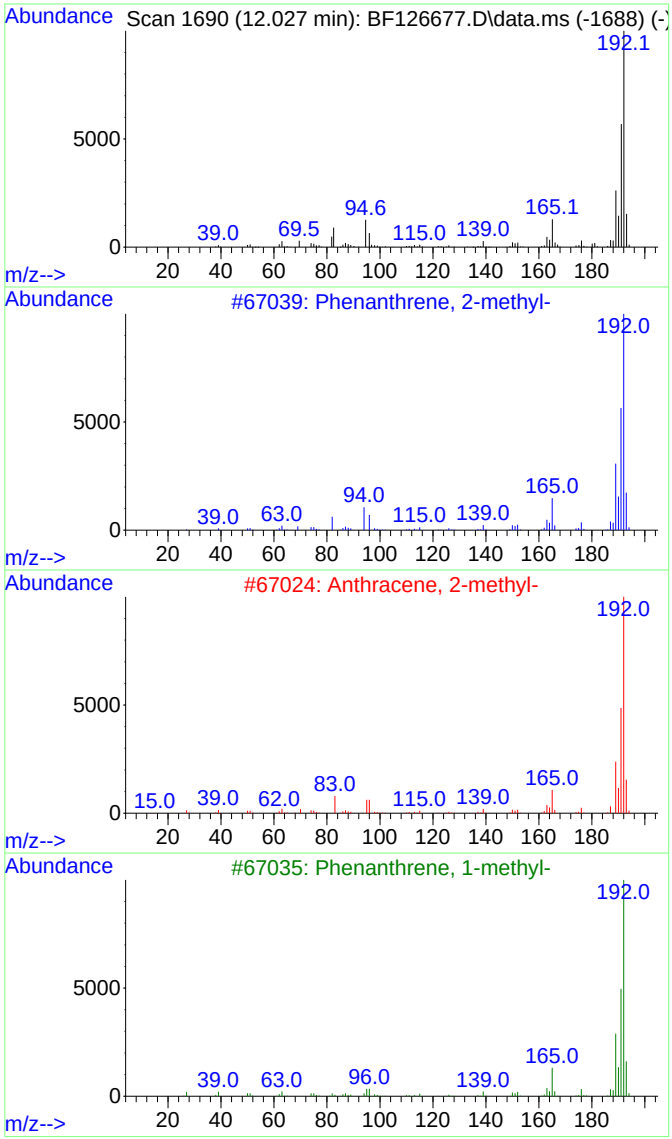
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

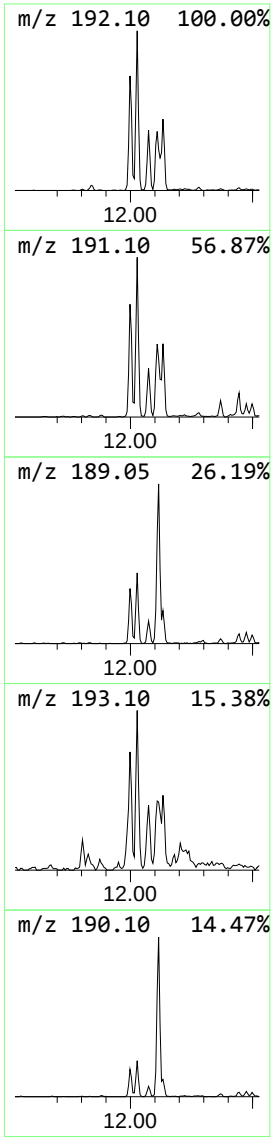
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	14.11 ng	561410	Phenanthrene-d10	11.498

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	94





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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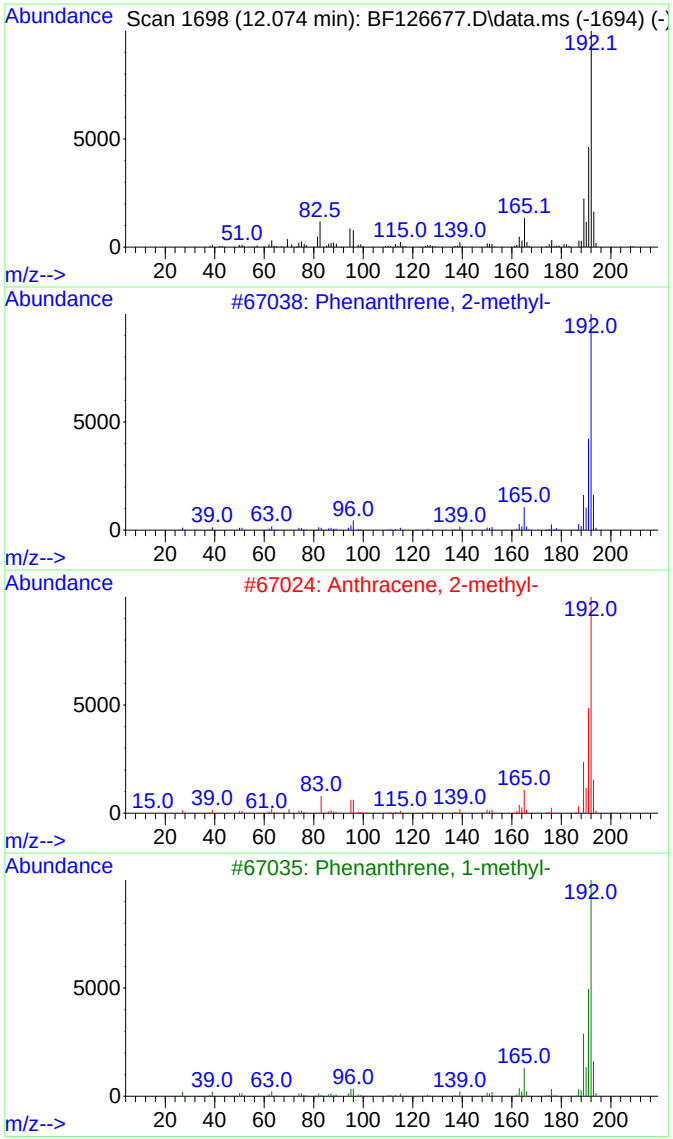
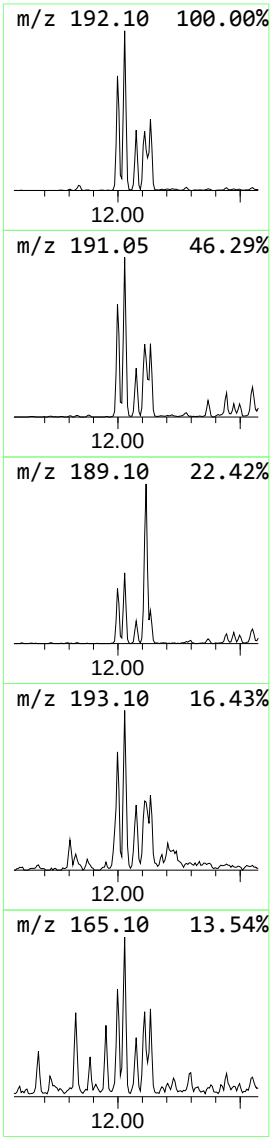
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	5.57 ng	221844	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96





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Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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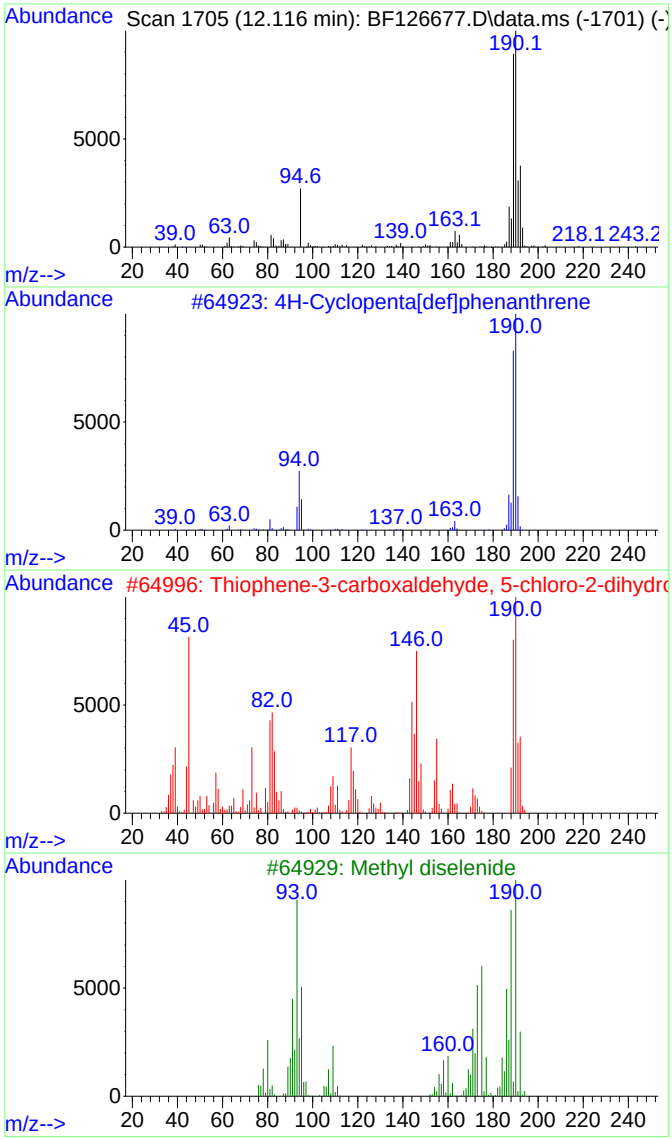
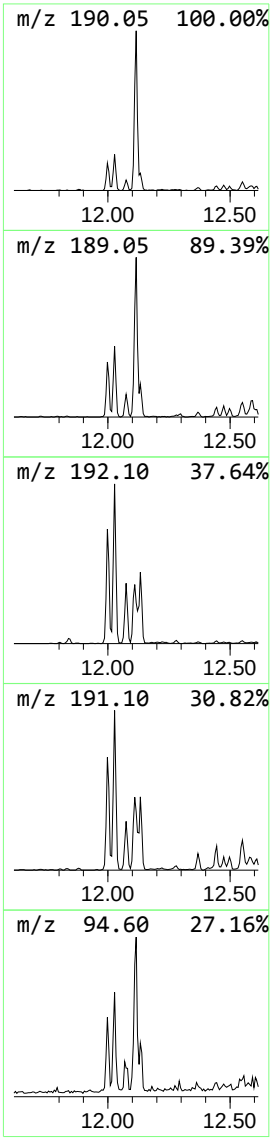
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	16.91 ng	672896	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33





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ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

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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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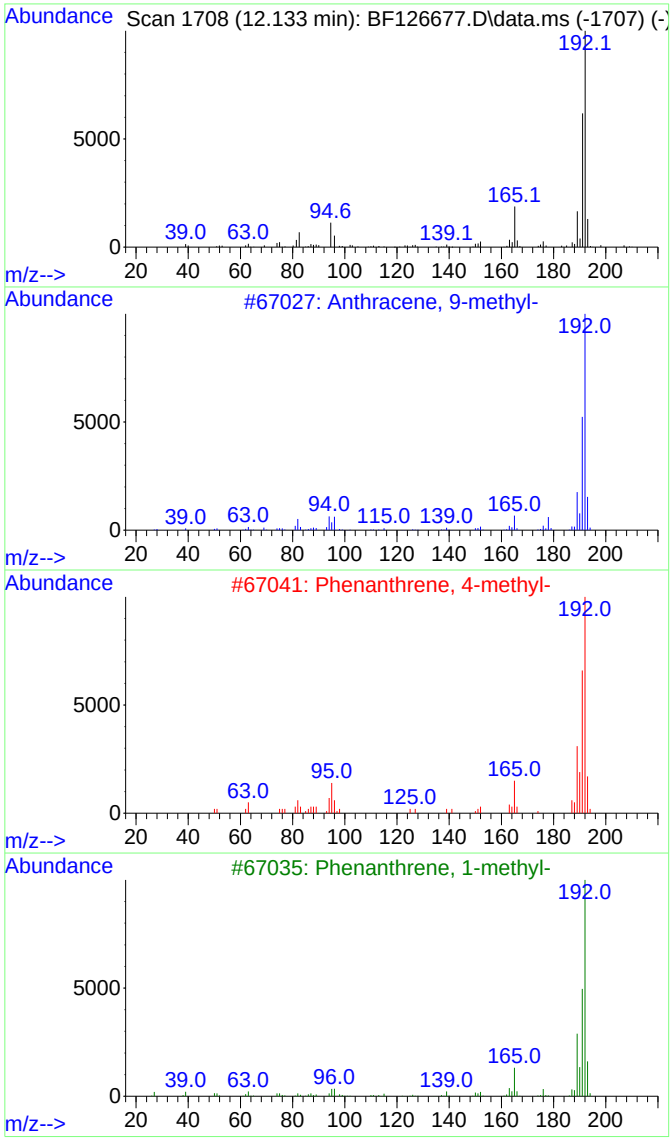
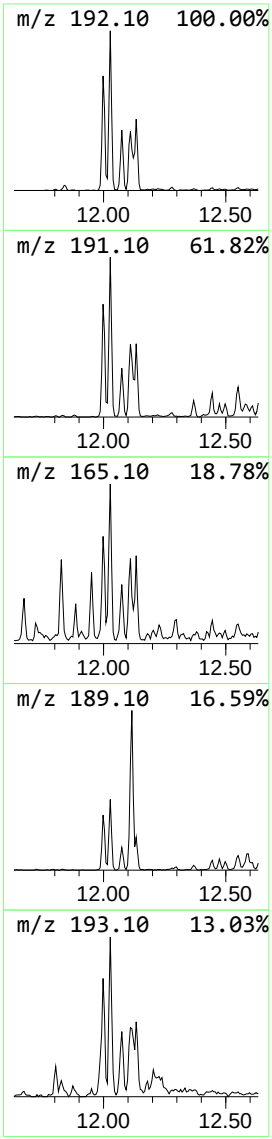
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	4.53 ng	180390	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	74
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72





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Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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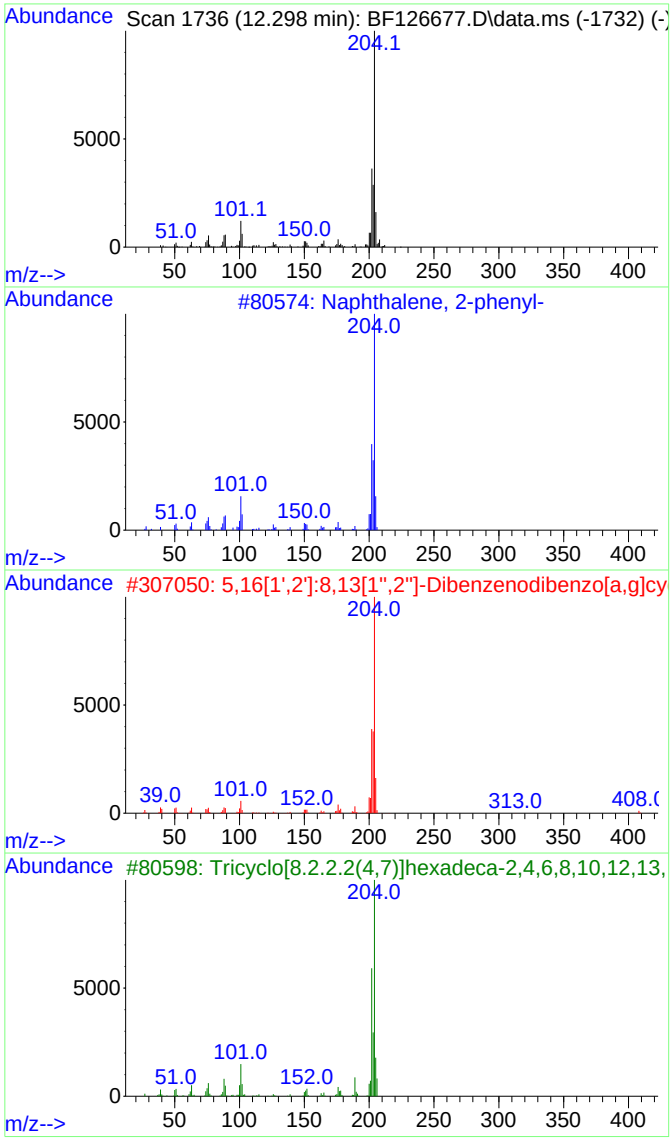
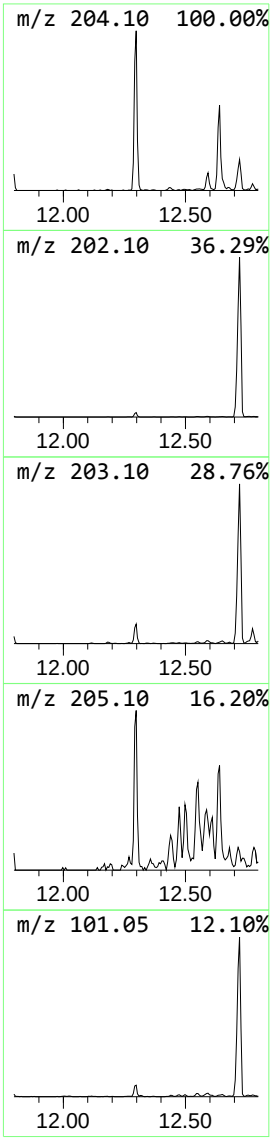
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	7.84 ng	311993	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





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Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

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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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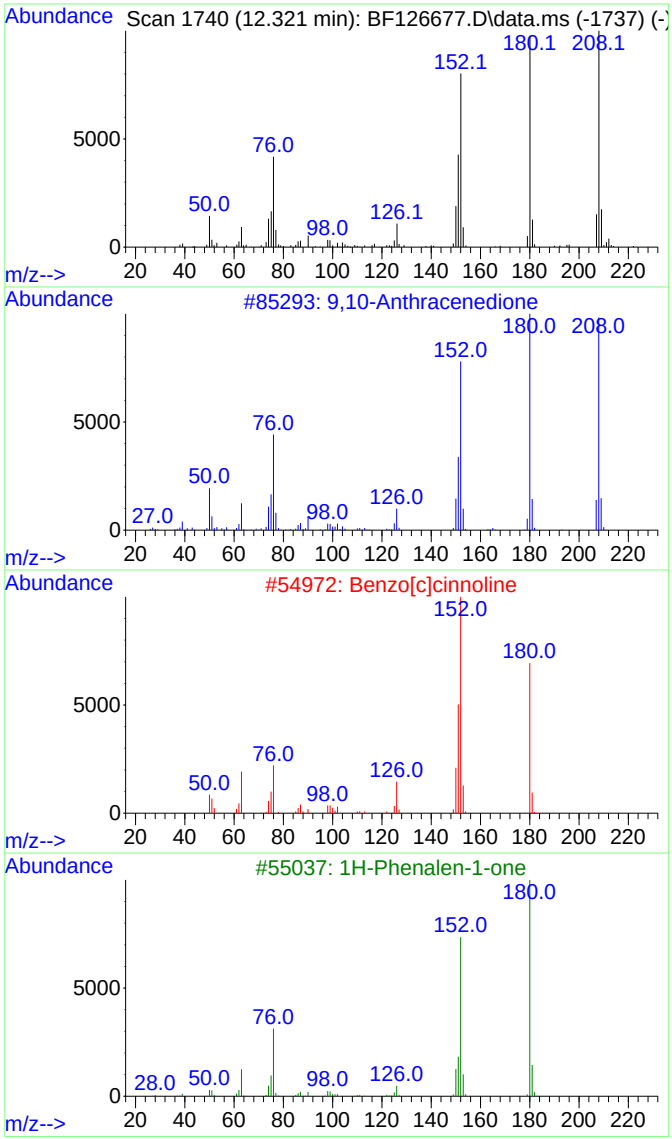
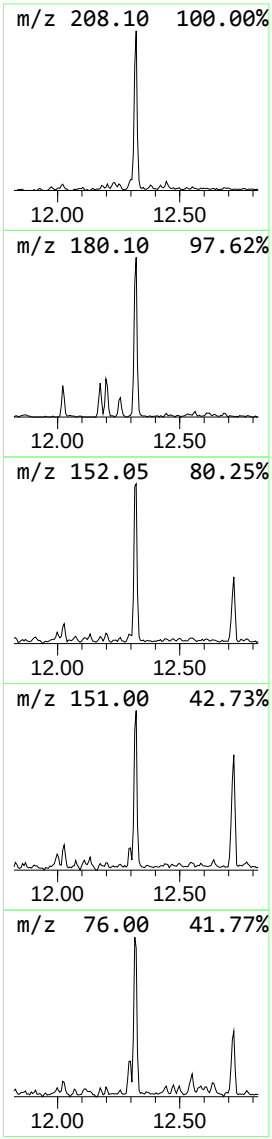
Peak Number 12 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.321	9.05 ng	360385	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
4	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43
5	Acenaphthylene	152	C12H8	000208-96-8	25





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Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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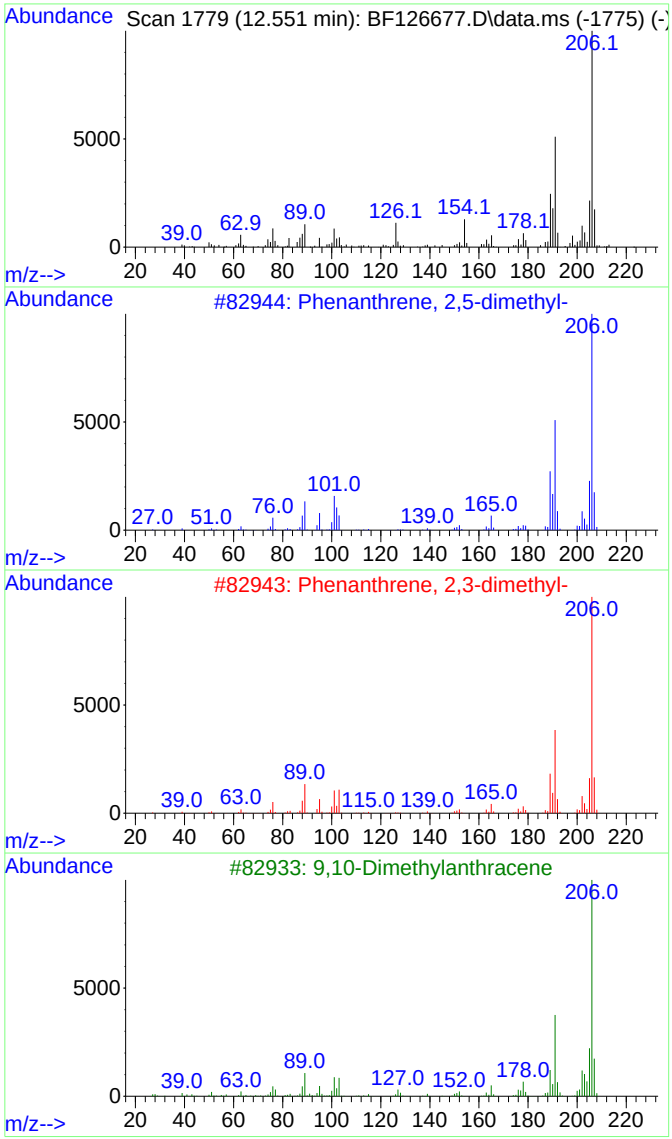
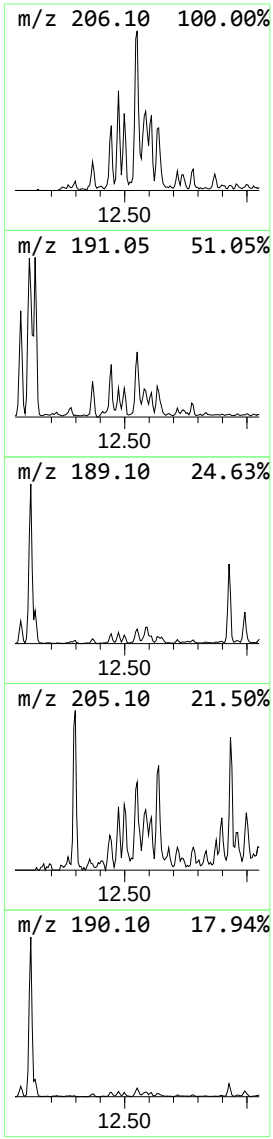
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	5.17 ng	205721	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Sample : N1245-09
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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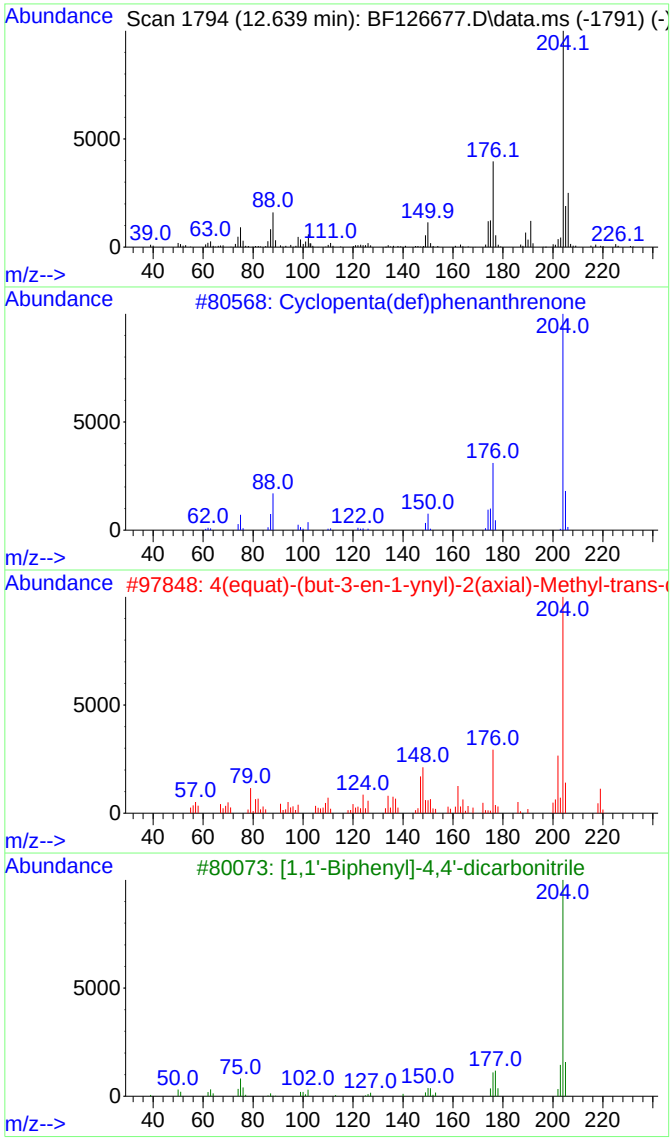
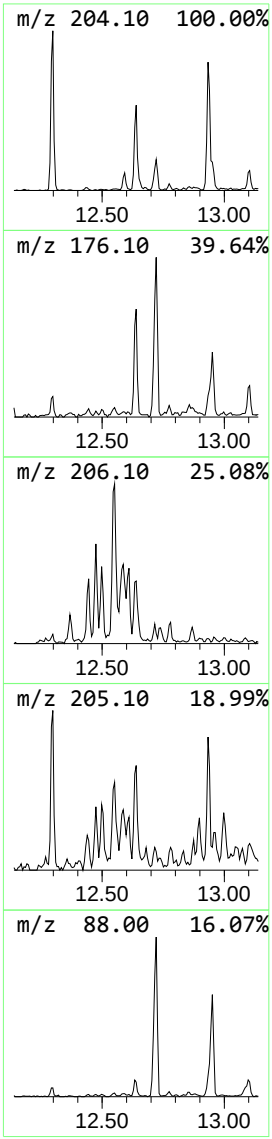
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.639	6.45 ng	256798	Phenanthrene-d10	11.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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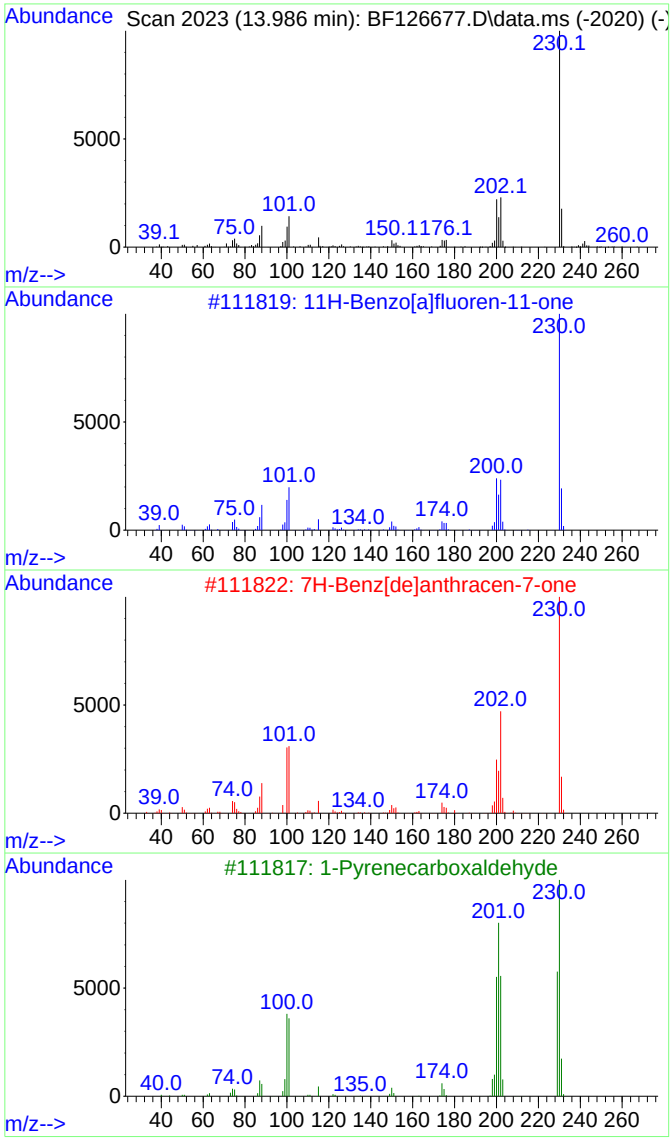
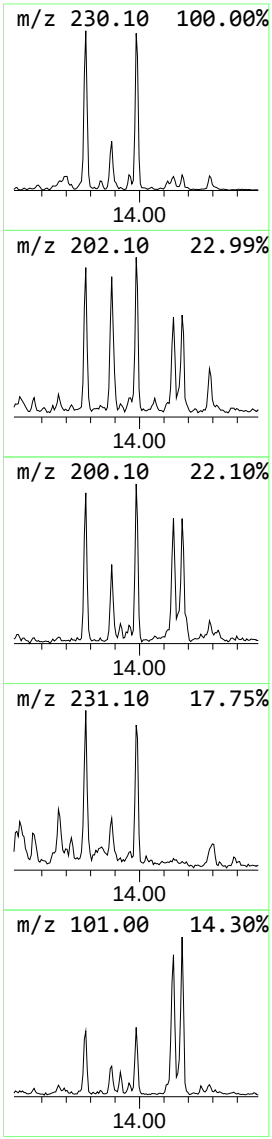
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.986	4.19 ng	640119	Chrysene-d12	14.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	47





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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
SB-5(0.5-1)

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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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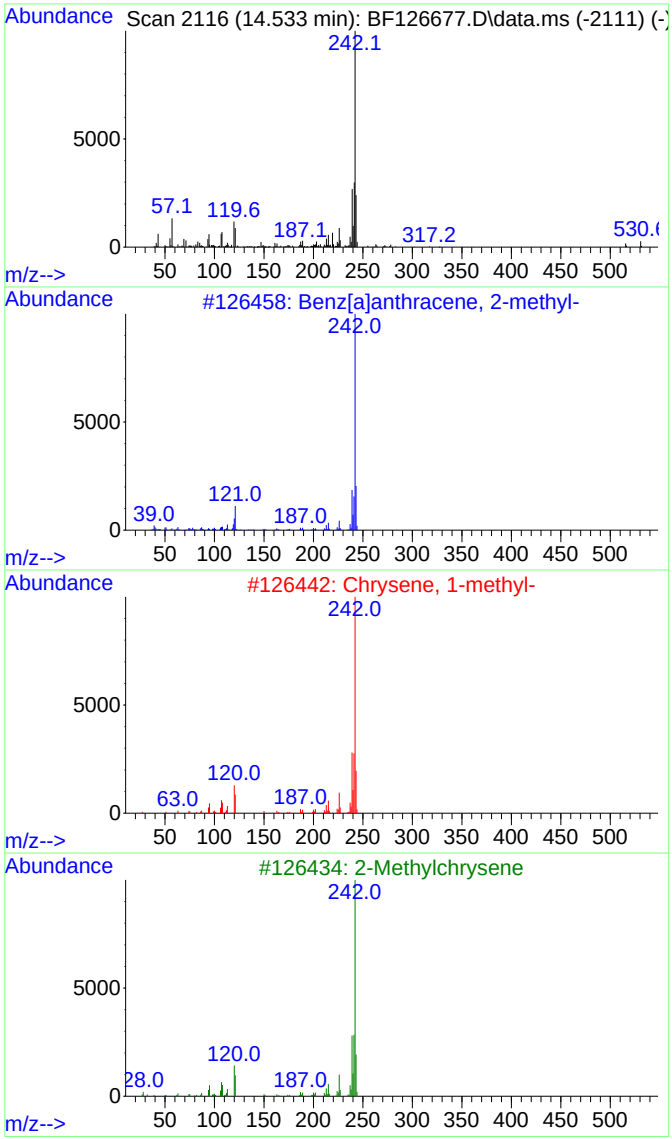
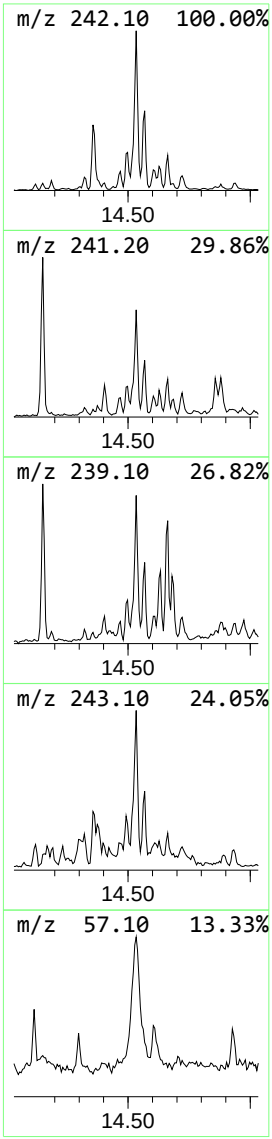
Peak Number 16 Benz[a]anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.533	3.80 ng	580197	Chrysene-d12	14.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	94
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





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Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

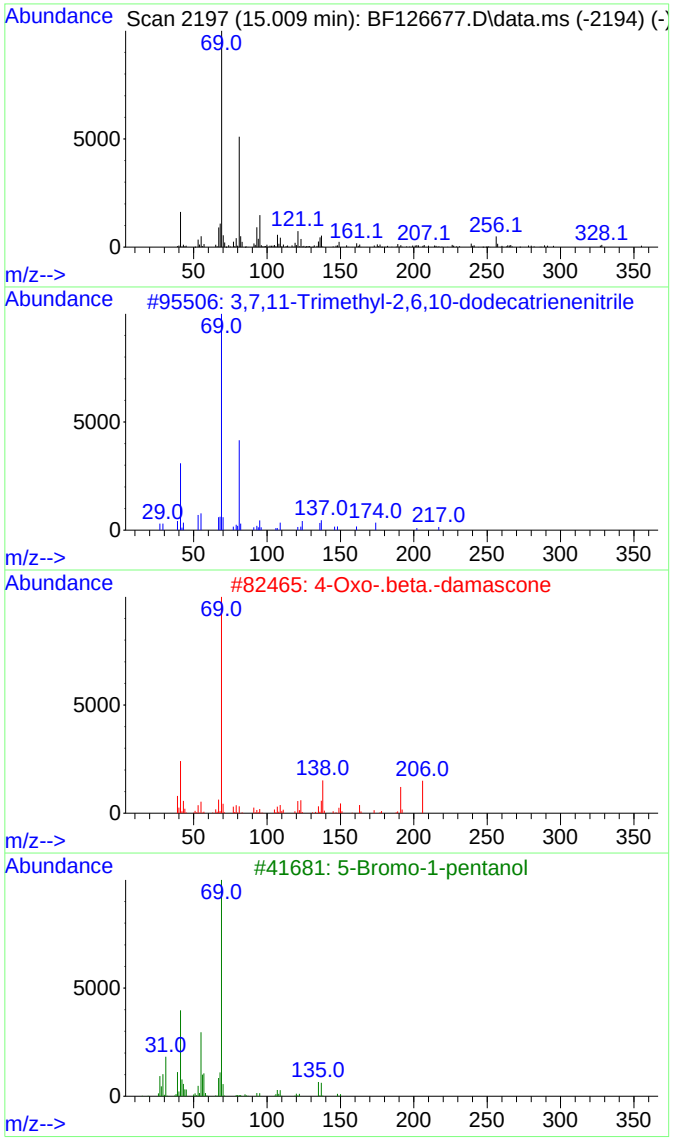
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

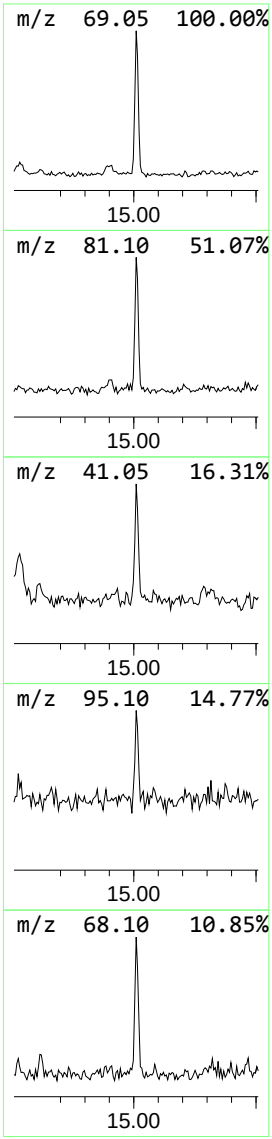
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 3,7,11-Trimethyl-2,6,10-dod... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.009	5.61 ng	181736	Perylene-d12	15.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7,11-Trimethyl-2,6,10-dodecatr...	217	C15H23N	029789-67-1	64
2	4-Oxo-.beta.-damascone	206	C13H18O2	053398-08-6	59
3	5-Bromo-1-pentanol	166	C5H11BrO	034626-51-2	59
4	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	53
5	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
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Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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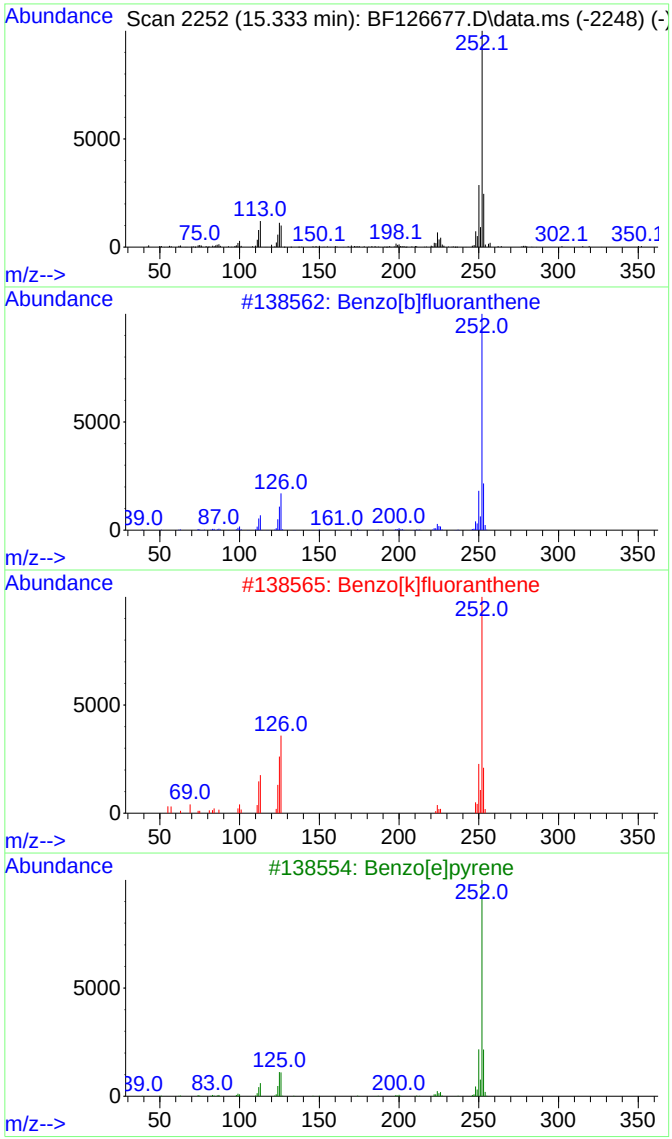
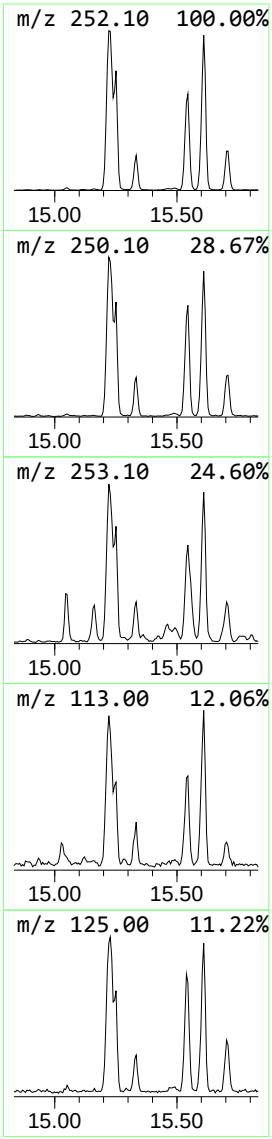
Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.333	7.10 ng	229972	Perylene-d12	15.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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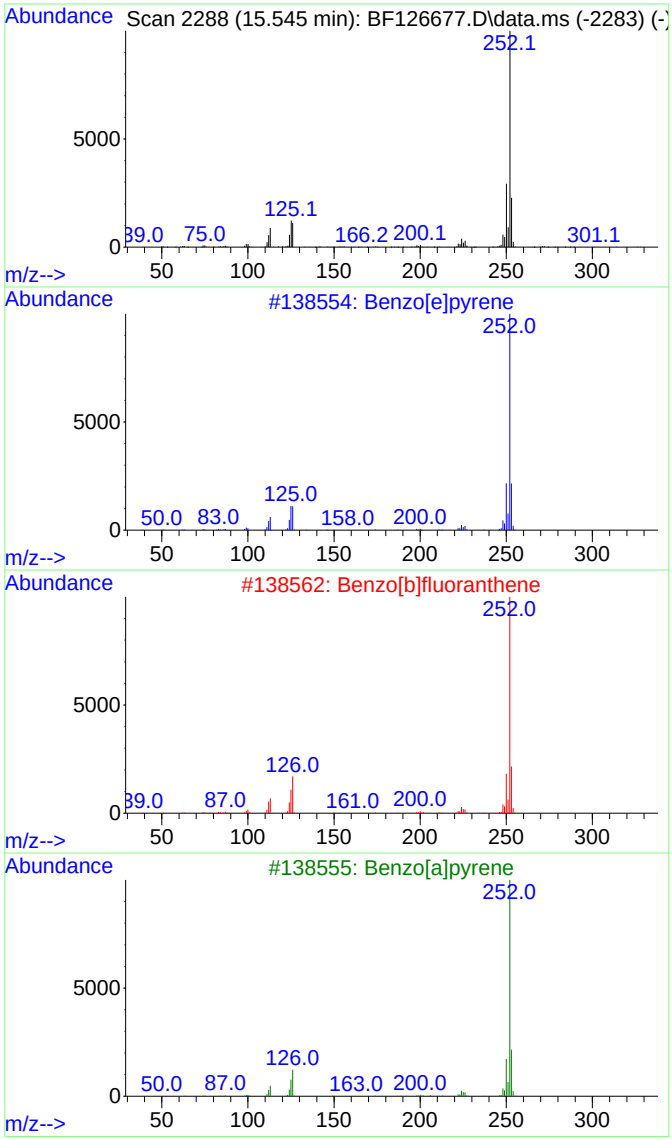
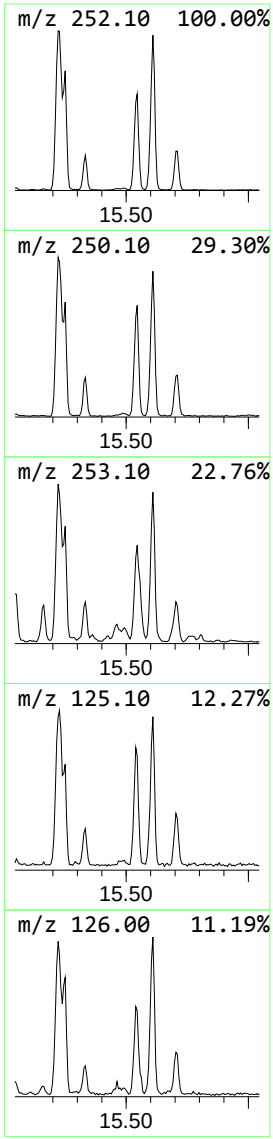
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.545	26.28 ng	851168	Perylene-d12	15.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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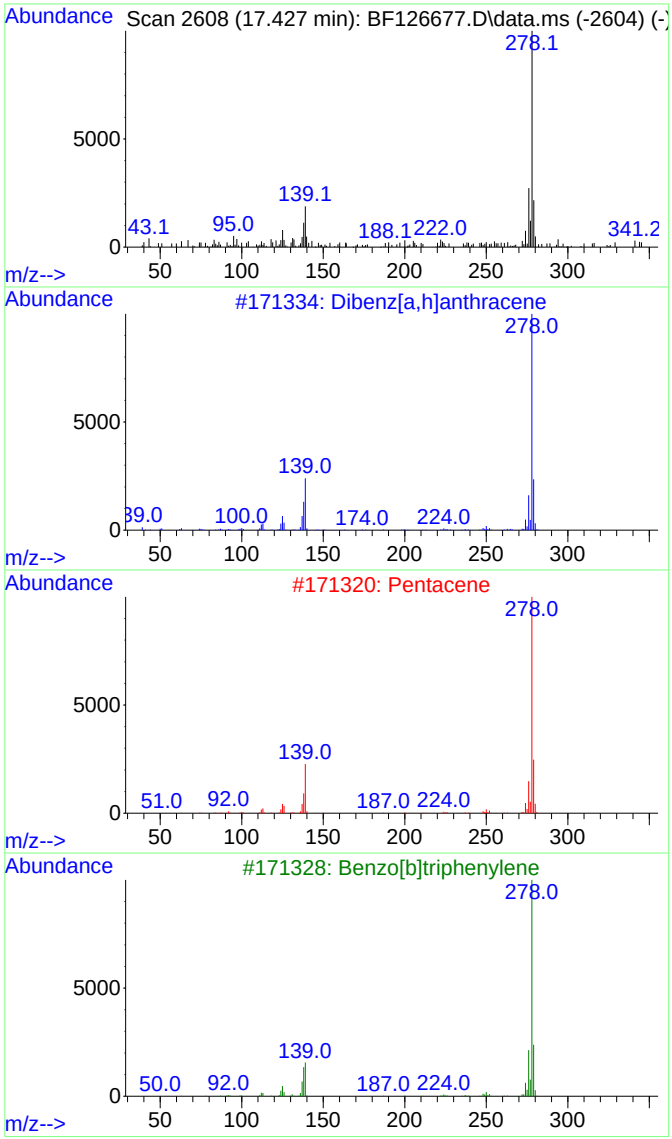
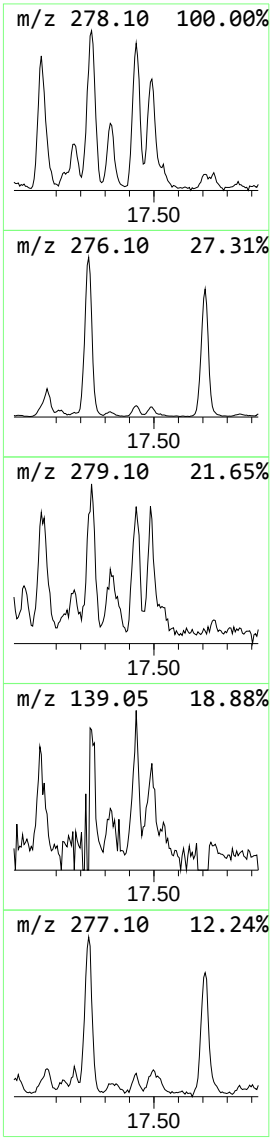
Peak Number 20 Pentacene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.427	3.76 ng	121786	Perylene-d12	15.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
2	Pentacene	278	C22H14	000135-48-8	94
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4	Picene	278	C22H14	000213-46-7	86
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
Data File : BF126677.D
Acq On : 25 Jan 2022 21:23
Operator : CG/JU
Sample : N1245-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0.5-1)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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...	2.316	8.5	ng	288458	1	6.963	680711	20.0
3-Penten-2-one,...	4.598	10.4	ng	354555	1	6.963	680711	20.0
2-Pentanone, 4-...	5.204	14.1	ng	479206	1	6.963	680711	20.0
9H-Fluoren-9-one	11.298	7.5	ng	300321	4	11.498	796046	20.0
Dibenzothiophene	11.392	7.5	ng	299104	4	11.498	796046	20.0
Phenanthrene, 2...	11.998	11.4	ng	453176	4	11.498	796046	20.0
Anthracene, 2-m...	12.027	14.1	ng	561410	4	11.498	796046	20.0
Phenanthrene, 1...	12.074	5.6	ng	221844	4	11.498	796046	20.0
4H-Cyclopenta[d...	12.116	16.9	ng	672896	4	11.498	796046	20.0
Anthracene, 9-m...	12.133	4.5	ng	180390	4	11.498	796046	20.0
Naphthalene, 2-...	12.298	7.8	ng	311993	4	11.498	796046	20.0
9,10-Anthracene...	12.321	9.1	ng	360385	4	11.498	796046	20.0
Phenanthrene, 2...	12.551	5.2	ng	205721	4	11.498	796046	20.0
Cyclopenta(def)...	12.639	6.5	ng	256798	4	11.498	796046	20.0
11H-Benzo[a]flu...	13.986	4.2	ng	640119	5	14.151	3056170	20.0
Benz[a]anthrace...	14.533	3.8	ng	580197	5	14.151	3056170	20.0
3,7,11-Trimethy...	15.009	5.6	ng	181736	6	15.674	647843	20.0
Benzo[e]pyrene	15.333	7.1	ng	229972	6	15.674	647843	20.0
Benzo[j]fluoran...	15.545	26.3	ng	851168	6	15.674	647843	20.0
Pentacene	17.427	3.8	ng	121786	6	15.674	647843	20.0