LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132747.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.222	442	448	460	rVB	2096089	2975718	32.14%	2.181%
2	5.616	510	515	518	rBV	4843513	4969828	53.68%	3.642%
3	6.610	679	684	687	rBV	4328018	4905603	52.98%	3.595%
4	6.981	743	747	750	rBV	1409916	1279795	13.82%	0.938%
5	7.545	838	843	846	rBV	3616542	3287447	35.51%	2.409%
6	8.263	961	965	967	rBV	2279925	1840656	19.88%	1.349%
7	8.286	967	969	972	rVB	1208573	919332	9.93%	0.674%
8	8.975	1083	1086	1090	rBV	892958	727524	7.86%	0.533%
9	9.075	1098	1103	1107	rBV	604188	505893	5.46%	0.371%
10	9.339	1144	1148	1151	rVB	6552218	5749663	62.10%	4.214%
11	9.604	1188	1193	1197	rBV2	286821	408307	4.41%	0.299%
12	9.680	1201	1206	1208	rVV	497827	518717	5.60%	0.380%
13	9.704	1208	1210	1216	rVB	385667	310641	3.36%	0.228%
14	10.022	1262	1264	1267	rVV	2209871	1973073	21.31%	1.446%
15	10.057	1267	1270	1273	rVV	2154440	1642193	17.74%	1.203%
16	10.180	1286	1291	1295	rBV2	209029	239776	2.59%	0.176%
17	10.227	1295	1299	1303	rVV	1681464	1588488	17.16%	1.164%
18	10.339	1314	1318	1320	rBV	253970	245650	2.65%	0.180%
19	10.427	1329	1333	1335	rBV	211549	268340	2.90%	0.197%
20	10.574	1354	1358	1362	rBV	2164144	1885708	20.37%	1.382%
21	10.639	1367	1369	1371	rVV	376709	336998	3.64%	0.247%
22	10.663	1371	1373	1375	rVV	406643	334743	3.62%	0.245%
23	10.710	1379	1381	1382	rVV	300769	251681	2.72%	0.184%
24	10.733	1382	1385	1389	rVB2	840377	908540	9.81%	0.666%
25	10.822	1396	1400	1403	rVV	4269368	4303588	46.48%	3.154%
26	10.939	1417	1420	1425	rVB4	173668	243964	2.63%	0.179%
27	11.121	1449	1451	1454	rVB2	486444	444583	4.80%	0.326%
28	11.251	1468	1473	1475	rBV3	402386	563171	6.08%	0.413%
29	11.274	1475	1477	1483	rVV	388165	425602	4.60%	0.312%
30	11.327	1483	1486	1489	rVV	793322	719306	7.77%	0.527%
31	11.363	1489	1492	1498	rVV2	455298	725429	7.84%	0.532%
32	11.416	1498	1501	1506	rVB	1005184	883492	9.54%	0.647%
33	11.521	1516	1519	1521	rBV	1852261	1977290	21.36%	1.449%
34	11.557	1521	1525	1527	rVV	8462621	9258824	100.00%	6.785%
35	11.604	1527	1533	1536	rVV	3458693	3634150	39.25%	2.663%
36	11.633	1536	1538	1543	rVV	391613	398903	4.31%	0.292%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.751	1552	1558	1566	rVV2	1500501	1945209	21.01%	1.426%
38	11.816	1566	1569	1573	rVV3	323478	392460	4.24%	0.288%
39	11.851	1573	1575	1580	rVV5	314303	421291	4.55%	0.309%
40	12.027	1599	1605	1607	rVV	1850575	1996447	21.56%	1.463%
41	12.057	1607	1610	1613	rVB	2350855	2183172	23.58%	1.600%
42	12.104	1613	1618	1621	rBV	1015632	968690	10.46%	0.710%
43	12.139	1621	1624	1626	rVV2	2129896	2414189	26.07%	1.769%
44	12.163	1626	1628	1631	rVV	1191461	949120	10.25%	0.696%
45	12.204	1631	1635	1637	rVV	308135	262008	2.83%	0.192%
46	12.227	1637	1639	1642	rVV2	277124	246112	2.66%	0.180%
47	12.321	1651	1655	1657	rVV	1231944	1114302	12.04%	0.817%
48	12.351	1657	1660	1663	rVV	816557	699618	7.56%	0.513%
49	12.468	1675	1680	1683	rVV3	440683	487090	5.26%	0.357%
50	12.498	1683	1685	1687	rVV	319723	291257	3.15%	0.213%
51	12.527	1687	1690	1692	rVV	310794	280287	3.03%	0.205%
52	12.574	1694	1698	1701	rVV	765432	848551	9.16%	0.622%
53	12.616	1701	1705	1707	rVV3	463603	672796	7.27%	0.493%
54	12.668	1710	1714	1719	rVB3	589387	739454	7.99%	0.542%
55	12.751	1723	1728	1731	rBV	6895231	7585114	81.92%	5.559%
56	12.804	1735	1737	1741	rVV	318601	301306	3.25%	0.221%
57	12.874	1745	1749	1751	rBV3	198140	301754	3.26%	0.221%
58	12.898	1751	1753	1755	rVV	336880	305988	3.30%	0.224%
59	12.986	1760	1768	1771	rBV2	5354418	8009724	86.51%	5.870%
60	13.021	1771	1774	1779	rVB2	720373	703949	7.60%	0.516%
61	13.110	1779	1789	1792	rBV2	4378629	5228891	56.47%	3.832%
62	13.133	1792	1793	1797	rVB	468950	359813	3.89%	0.264%
63	13.198	1798	1804	1807	rBV2	651697	1130937	12.21%	0.829%
64	13.280	1814	1818	1819	rBV2	502755	605820	6.54%	0.444%
65	13.304	1819	1822	1825	rVB	1185524	1117918	12.07%	0.819%
66	13.368	1830	1833	1836	rBV	634767	541198	5.85%	0.397%
67	13.410	1836	1840	1842	rVV2	865520	1028996	11.11%	0.754%
68	13.433	1842	1844	1847	rVB	332861	284954	3.08%	0.209%
69	13.504	1852	1856	1858	rBV	454236	403951	4.36%	0.296%
70	13.533	1858	1861	1864	rBV3	448999	430655	4.65%	0.316%
71	13.727	1892	1894	1897	rVV2	227131	259456	2.80%	0.190%
72	13.815	1906	1909	1913	rVV	911835	821893	8.88%	0.602%
73	13.927	1923	1928	1930	rVV2	660770	729440	7.88%	0.535%
74	13.957	1930	1933	1935	rVV	747251	683685	7.38%	0.501%
75	13.998	1935	1940	1942	rVV2	589490	1016278	10.98%	0.745%
76	14.027	1942	1945	1952	rVB	960603	994656	10.74%	0.729%

LSC Area Percent Report

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Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.098	1952	1957	1962	rBV	153928	299832	3.24%	0.220%
78	14.174	1963	1970	1974	rBV2	3527391	5351407	57.80%	3.922%
79	14.210	1974	1976	1983	rVB	2997547	2852861	30.81%	2.091%
80	14.292	1987	1990	1992	rVV	400226	363638	3.93%	0.266%
81	14.357	1995	2001	2002	rVV6	164095	317261	3.43%	0.233%
82	14.374	2002	2004	2006	rVV	310724	249568	2.70%	0.183%
83	14.410	2006	2010	2013	rVV2	434200	494744	5.34%	0.363%
84	14.533	2028	2031	2033	rVV2	233554	263372	2.84%	0.193%
85	14.568	2033	2037	2040	rVV	812165	883168	9.54%	0.647%
86	14.604	2040	2043	2046	rVV	443133	433371	4.68%	0.318%
87	14.651	2048	2051	2053	rVV3	195894	281455	3.04%	0.206%
88	14.698	2057	2059	2061	rVV	306111	304457	3.29%	0.223%
89	14.721	2061	2063	2067	rVV3	260687	251716	2.72%	0.184%
90	14.898	2088	2093	2096	rBV2	296429	374717	4.05%	0.275%
91	15.092	2122	2126	2130	rBV2	195887	292673	3.16%	0.214%
92	15.268	2151	2156	2159	rBV	1952917	3248497	35.09%	2.381%
93	15.380	2172	2175	2179	rBV	454670	484840	5.24%	0.355%
94	15.592	2207	2211	2218	rVB	1100031	1613373	17.43%	1.182%
95	15.662	2218	2223	2228	rBV	1786943	2226469	24.05%	1.632%
96	15.727	2228	2234	2237	rBV	1038190	1433179	15.48%	1.050%
97	15.762	2237	2240	2246	rVB2	463983	725217	7.83%	0.531%
98	17.315	2497	2504	2513	rBV2	560937	1180995	12.76%	0.865%
99	17.503	2531	2536	2541	rBV	149923	286634	3.10%	0.210%
100	17.798	2580	2586	2600	rVB	345310	830822	8.97%	0.609%

Sum of corrected areas: 136455311

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
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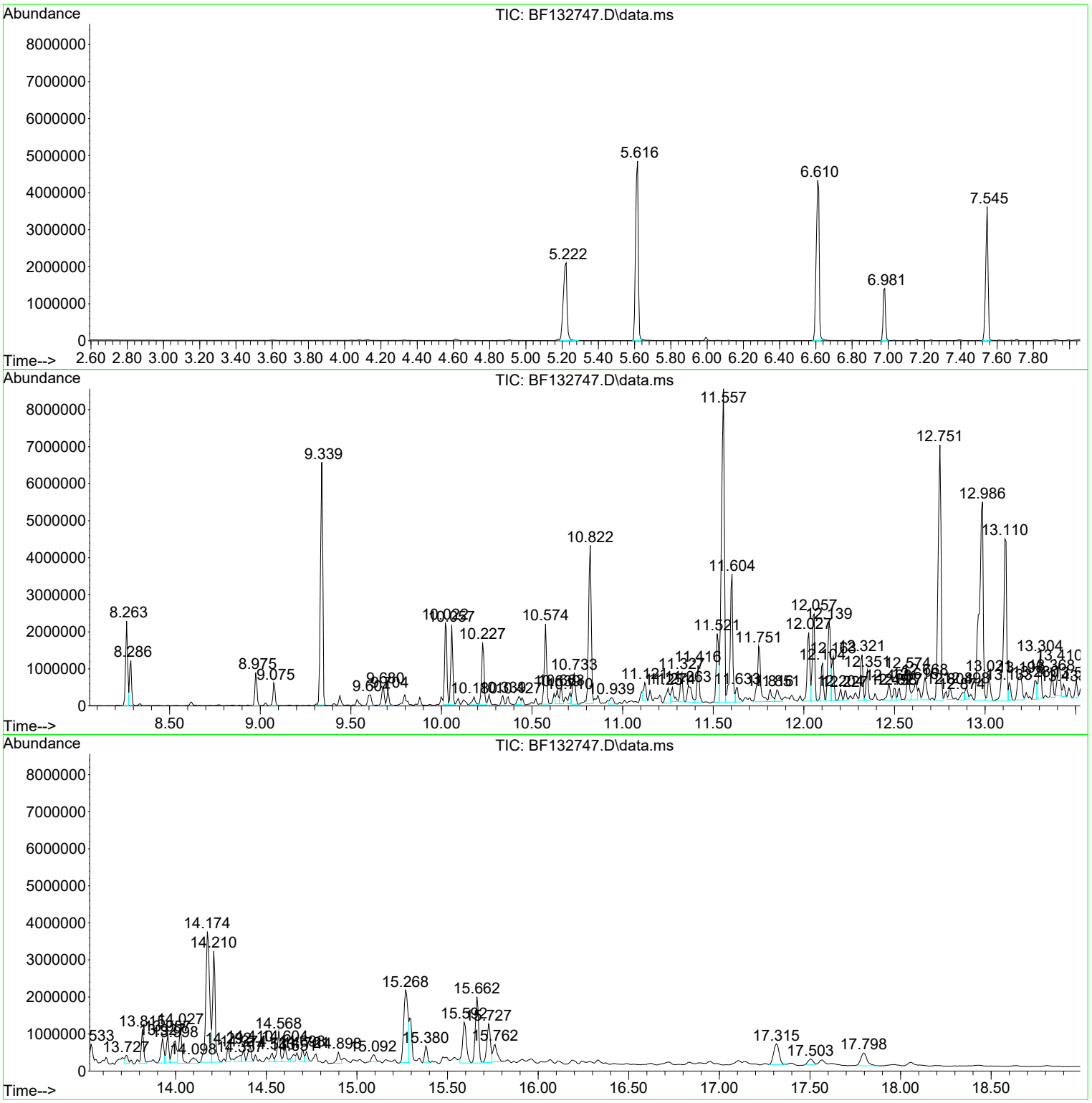
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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\BF031023\
Data File : BF132747.D
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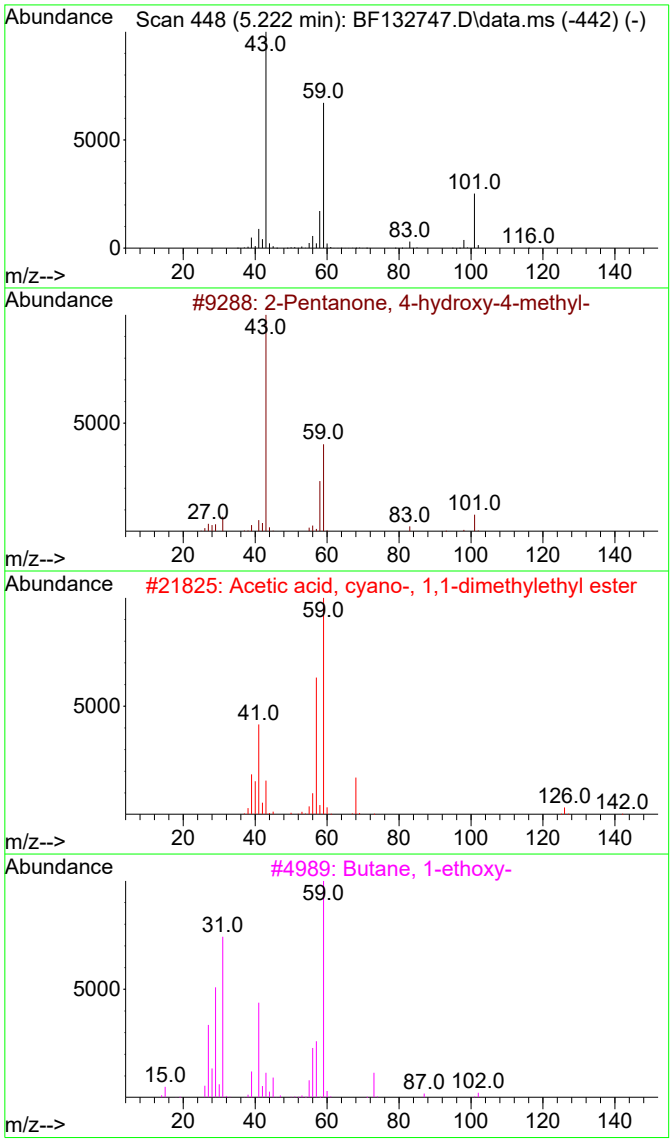
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

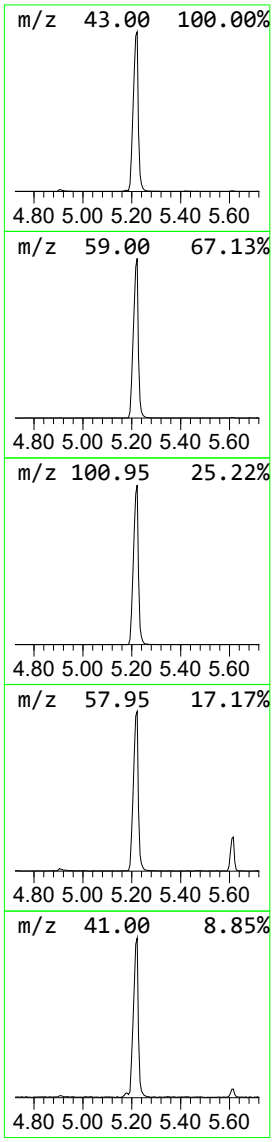
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.222	46.50 ng	2975720	1,4-Dichlorobenzene-d4	6.981

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	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

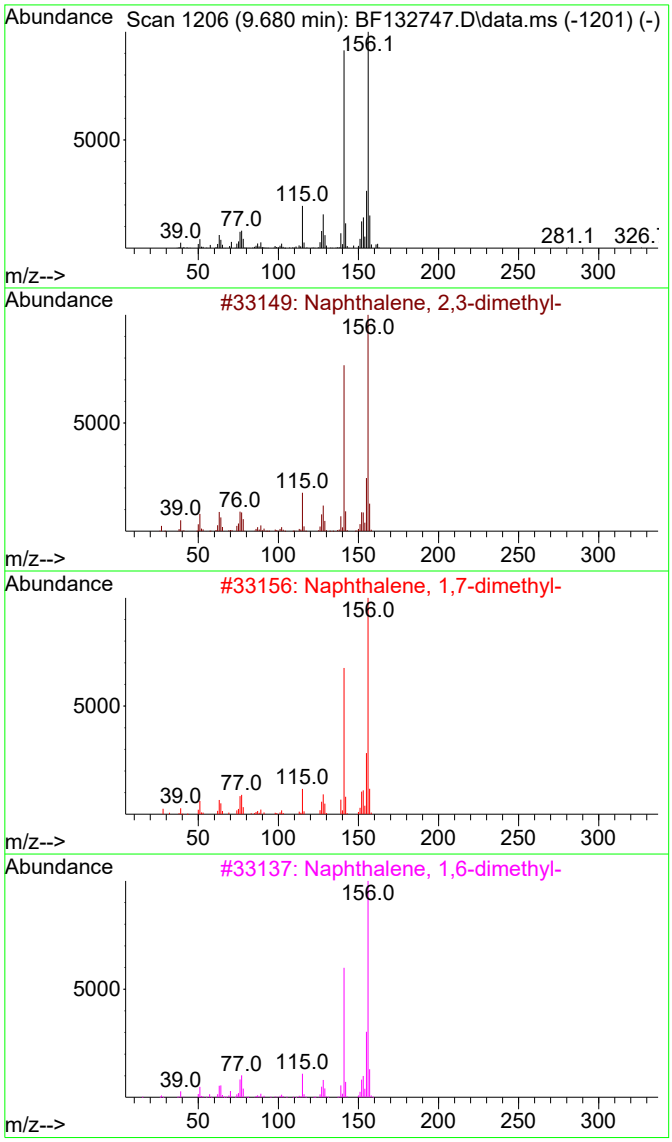
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

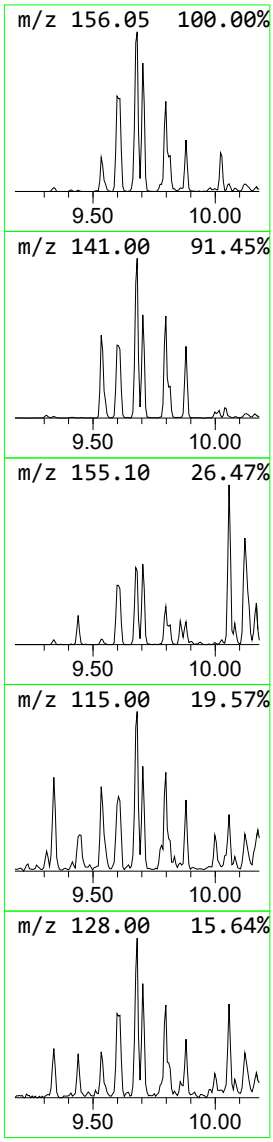
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.680	5.26 ng	518717	Acenaphthene-d10	10.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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BNA_F
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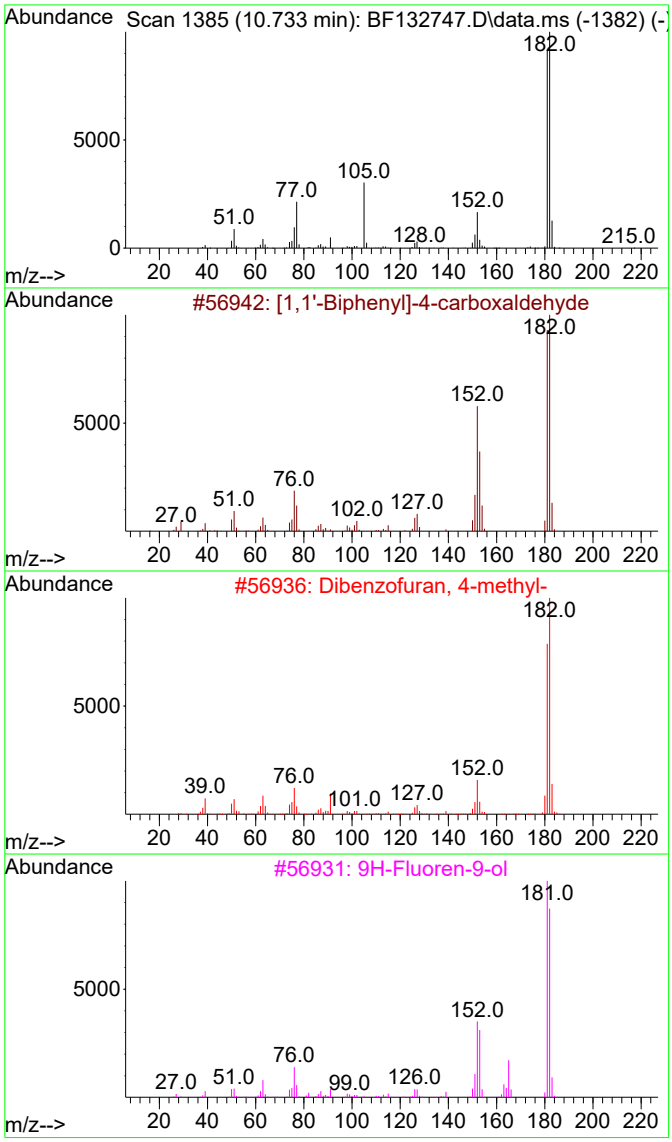
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

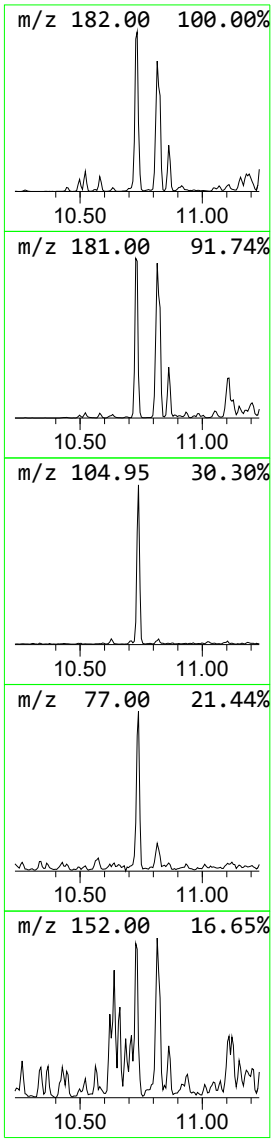
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.733	9.21 ng	908540	Acenaphthene-d10	10.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59
5	1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	53





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Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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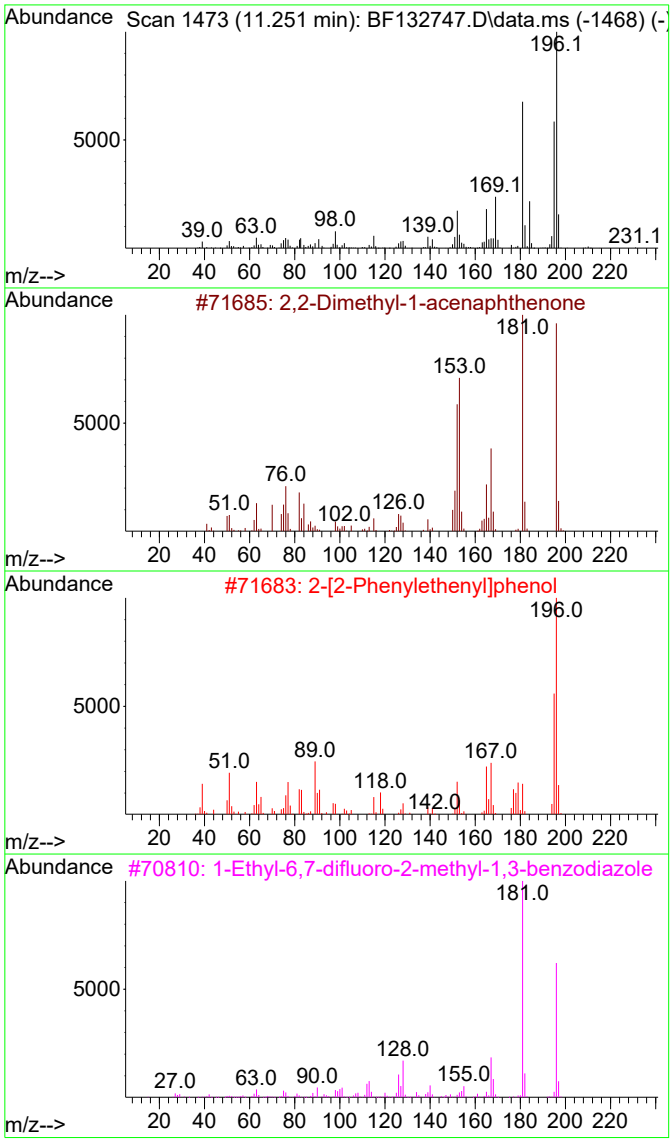
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

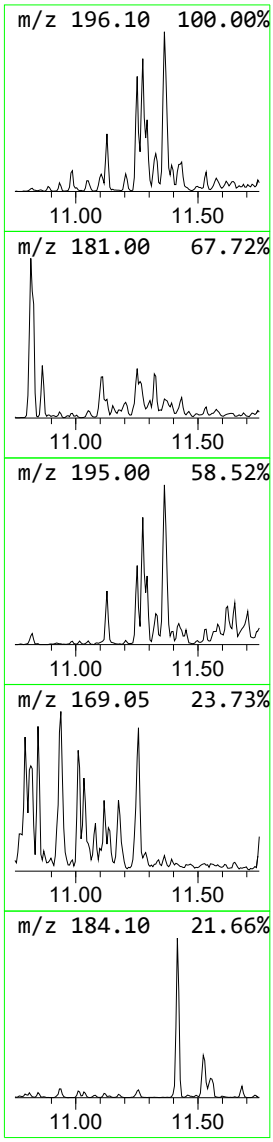
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,2-Dimethyl-1-acenaphthenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	5.70 ng	563171	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	78
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
3	1-Ethyl-6,7-difluoro-2-methyl-1,...	196	C10H10F2N2	1381944-71-3	53
4	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	49
5	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

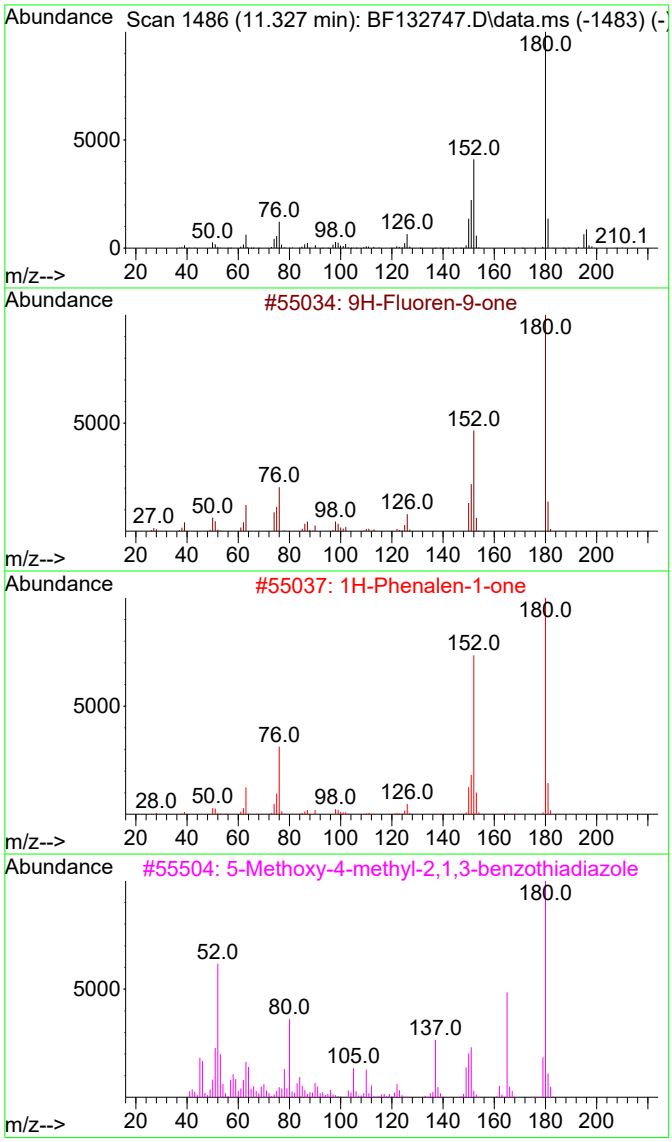
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

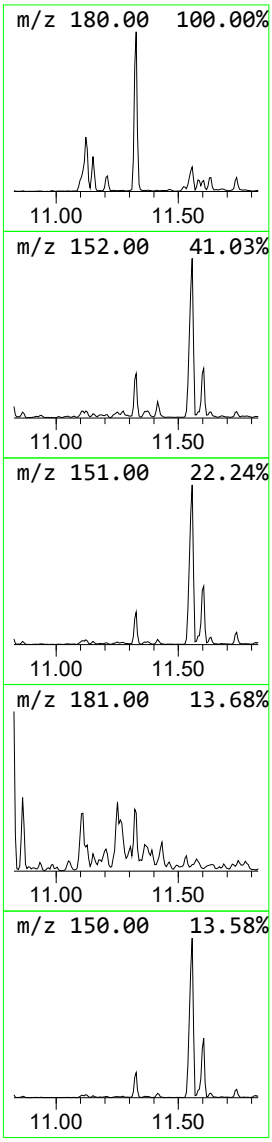
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.327	7.28 ng	719306	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
3	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42





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Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

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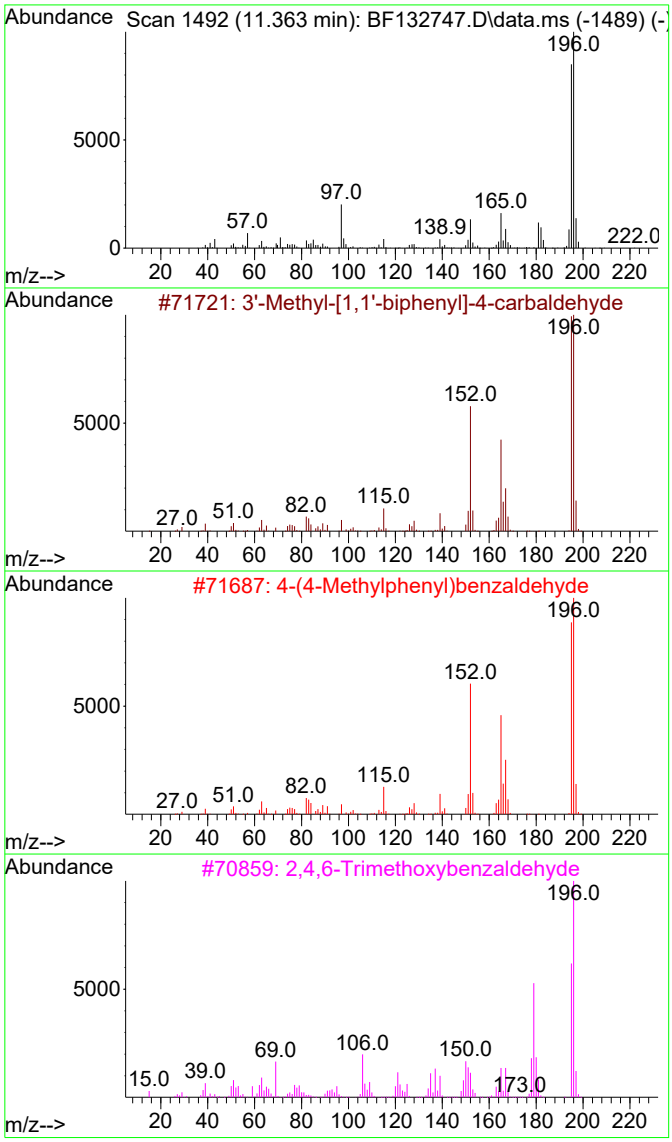
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

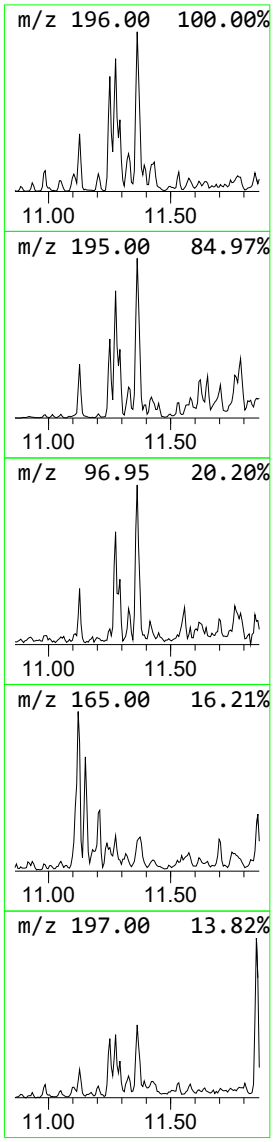
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.363	7.34 ng	725429	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58





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Misc :
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Instrument :
BNA_F
ClientSampleId :
TP-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

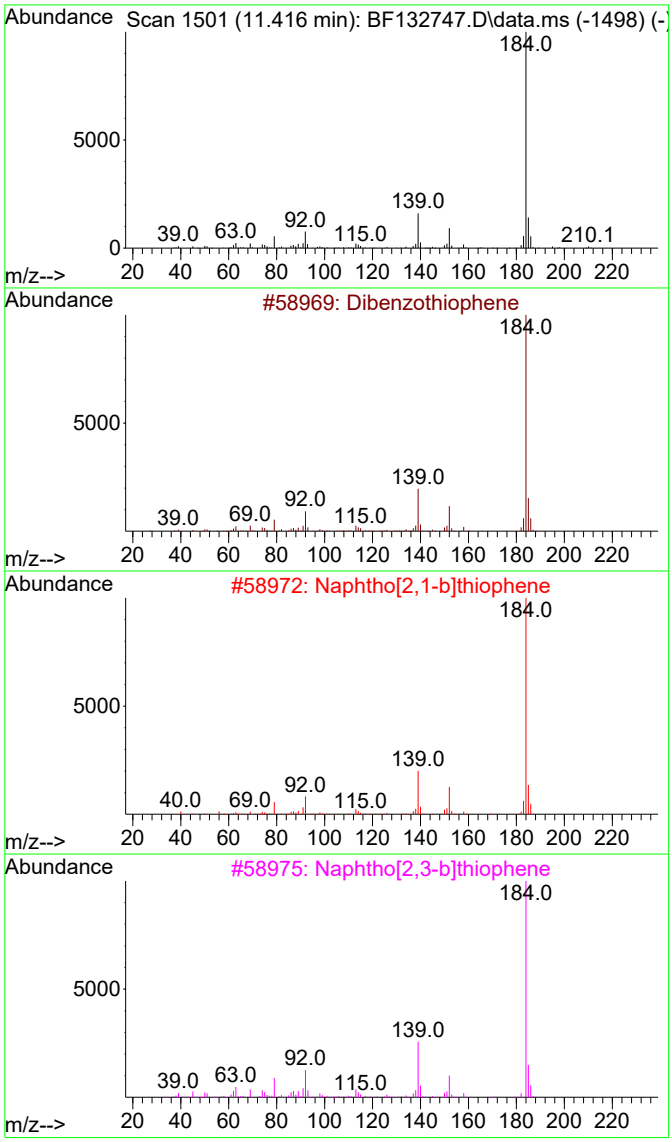
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

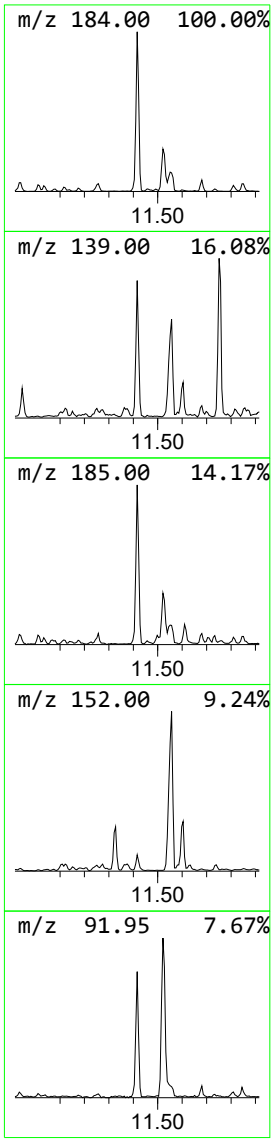
****

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.416	8.94 ng	883492	Phenanthrene-d10	11.522

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Instrument :
BNA_F
ClientSampleId :
TP-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

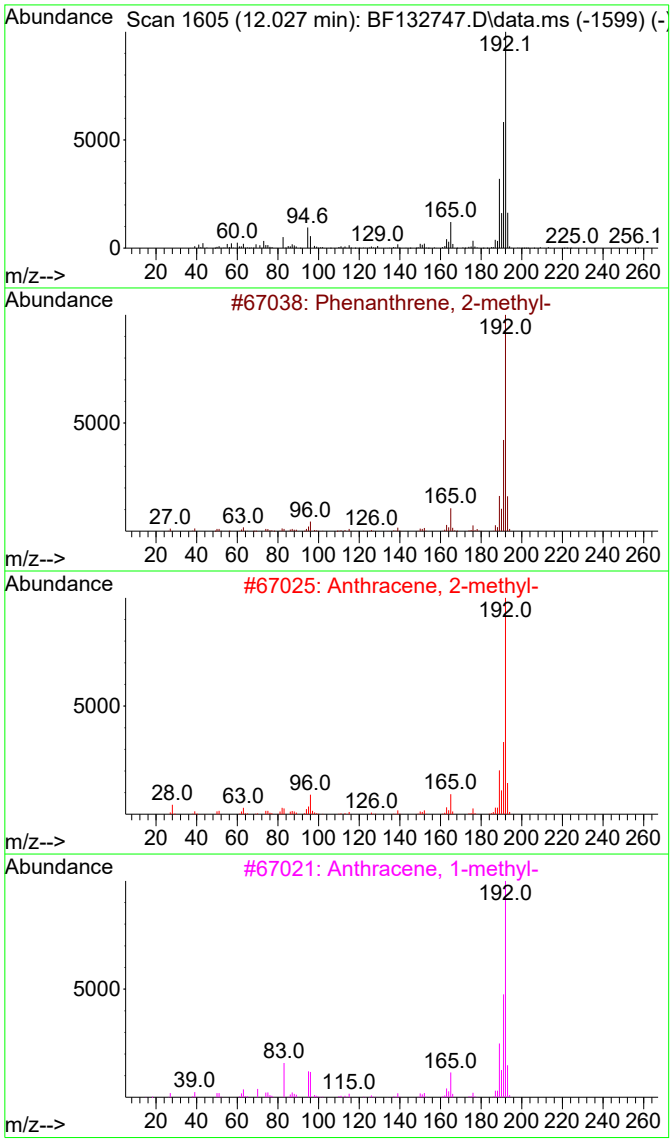
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

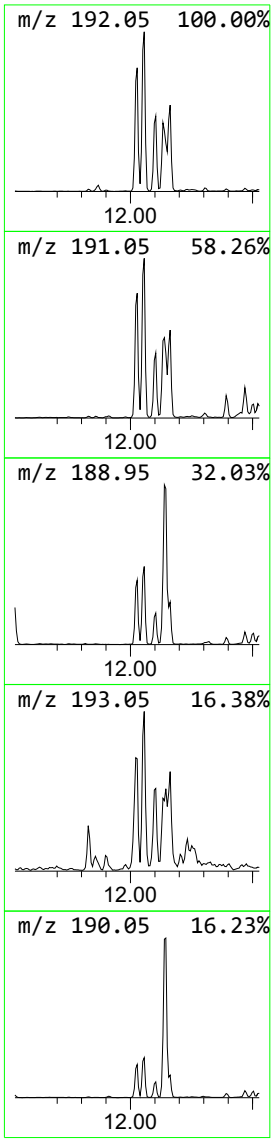
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	20.19 ng	1996450	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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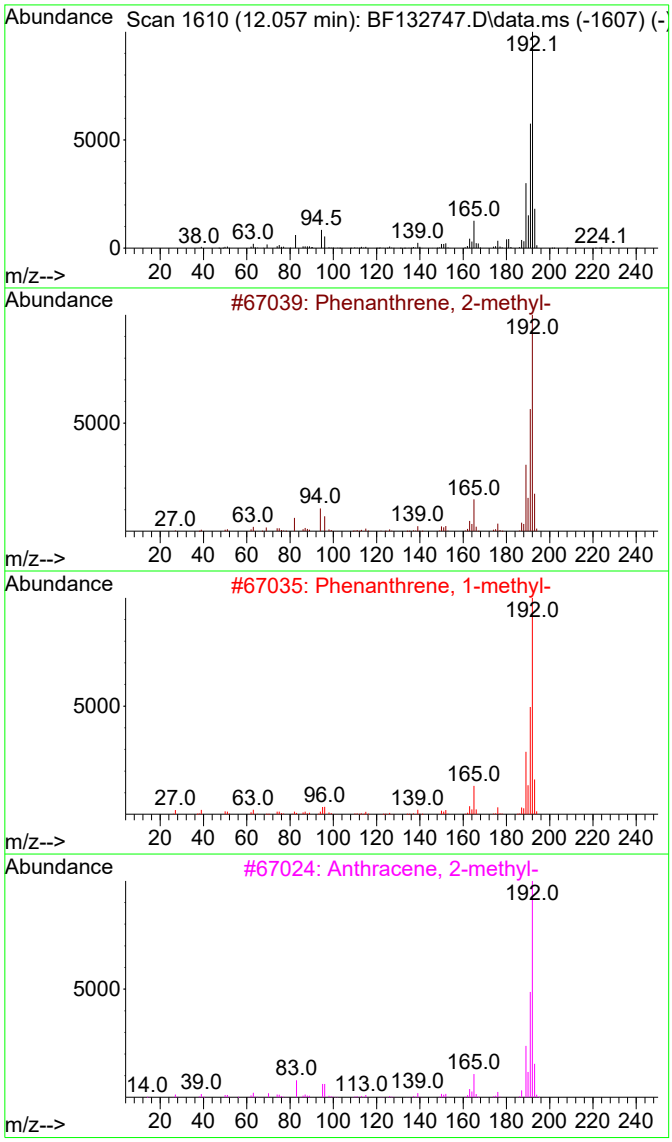
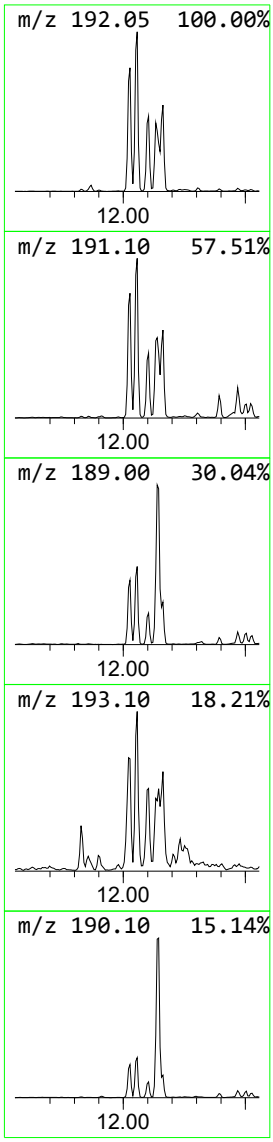
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	22.08 ng	2183170	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

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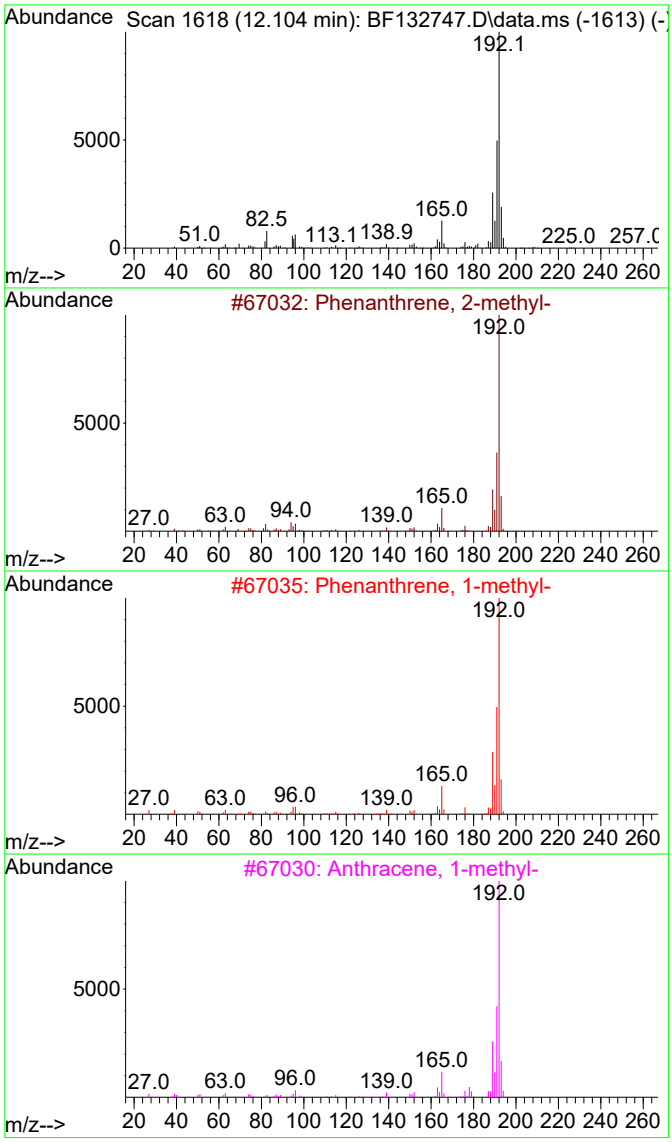
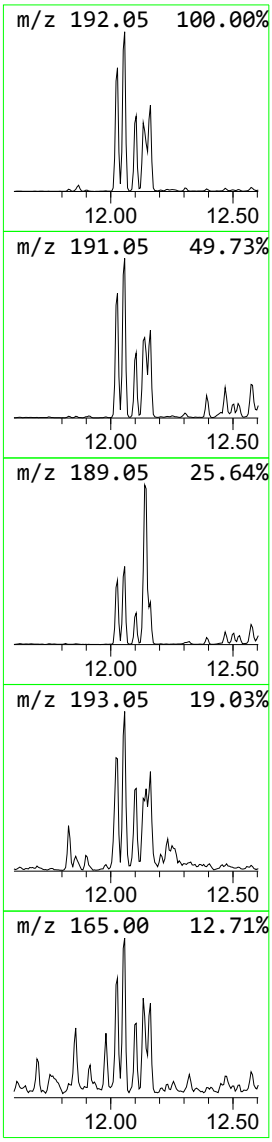
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	9.80 ng	968690	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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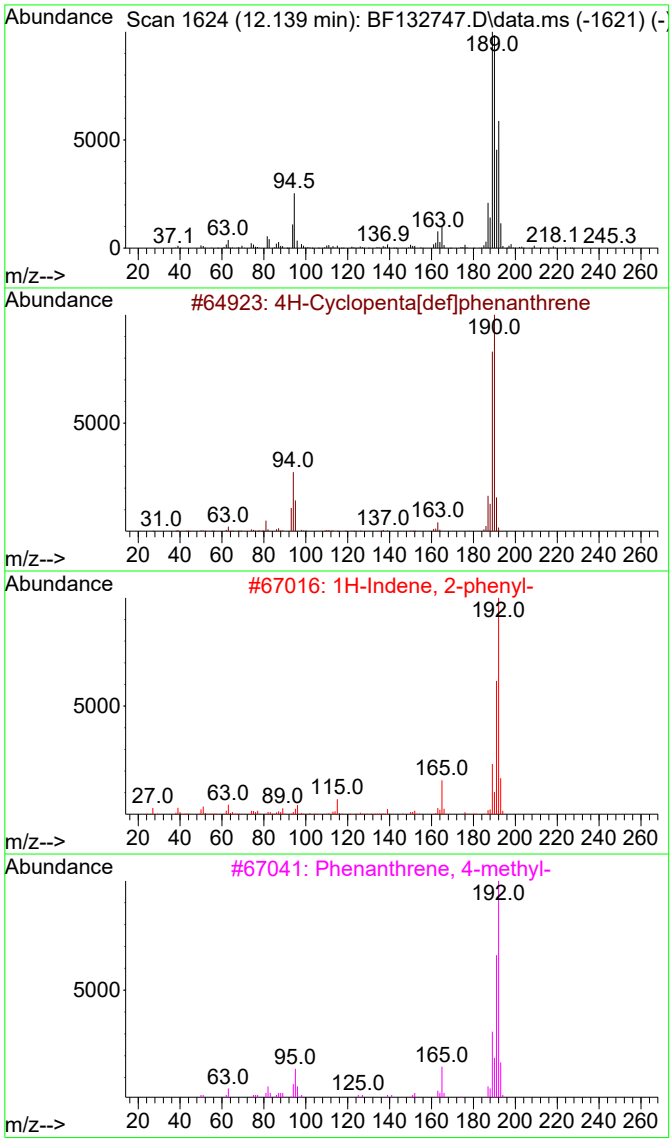
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

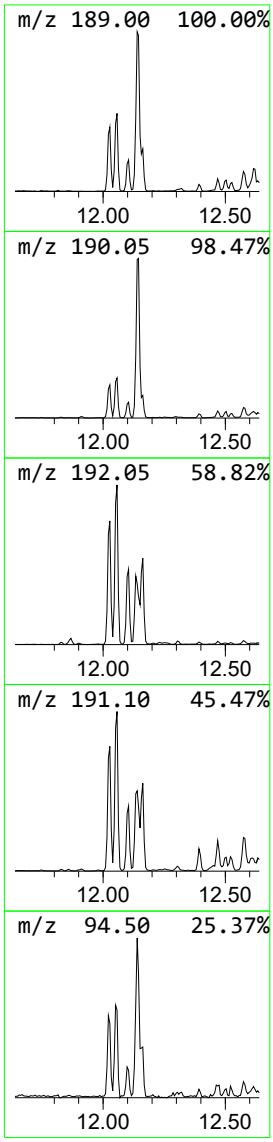
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	24.42 ng	2414190	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





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Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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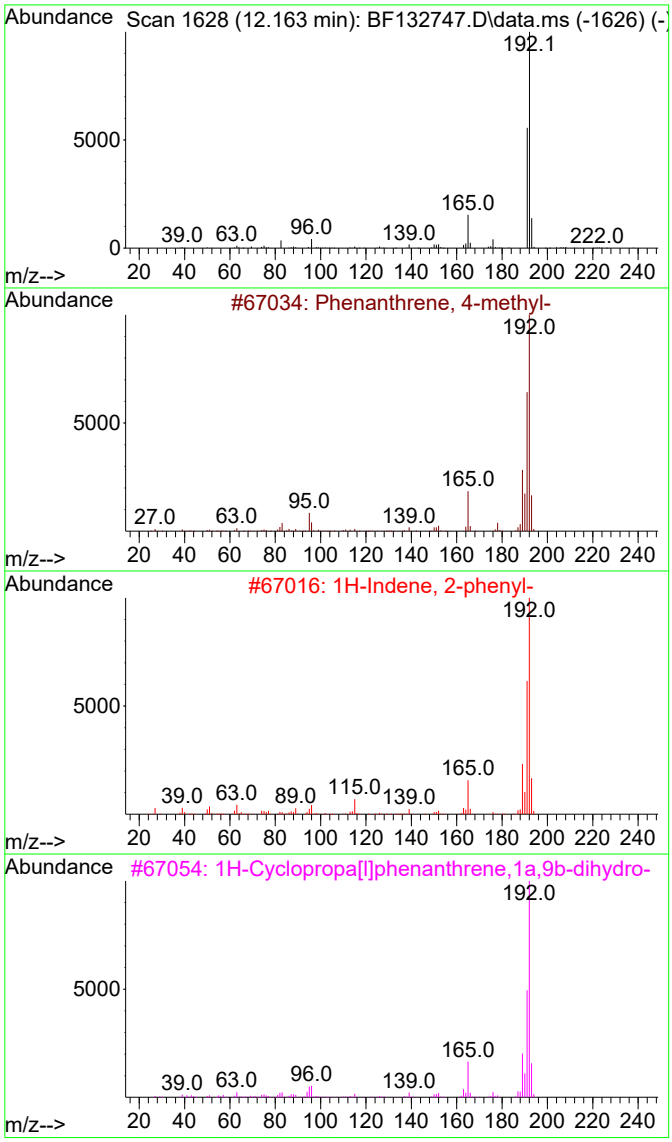
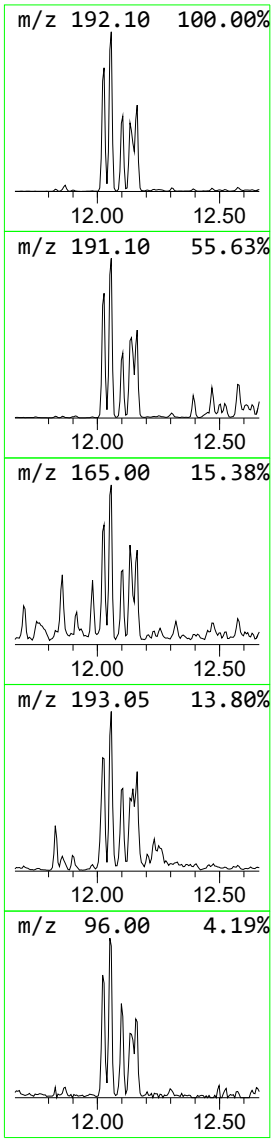
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	9.60 ng	949120	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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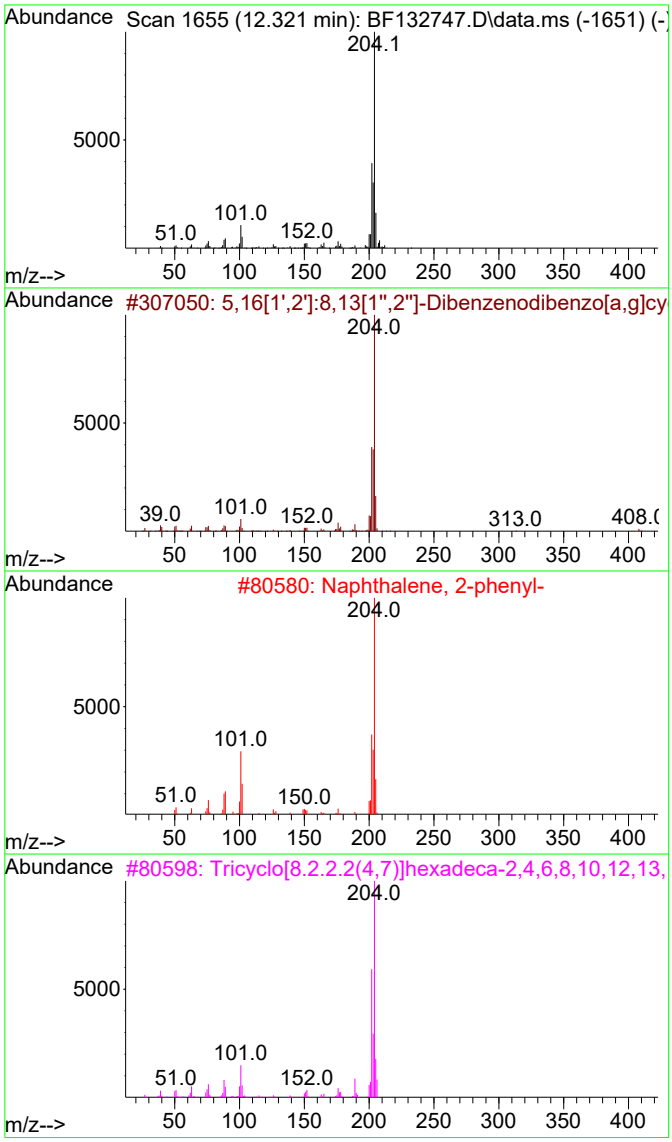
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

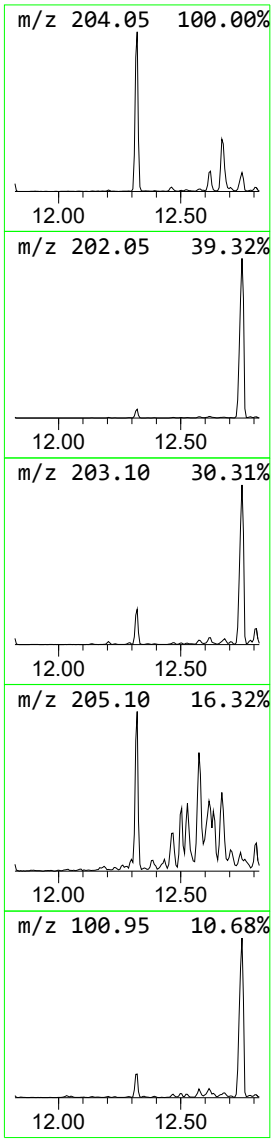
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.321	11.27 ng	1114300	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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

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

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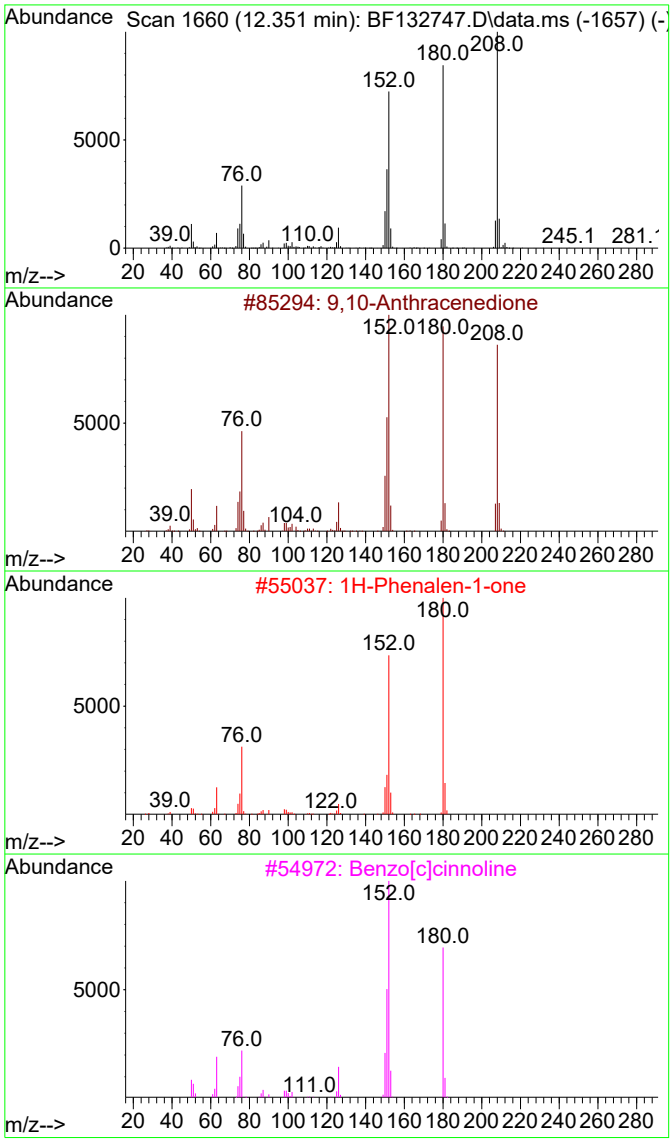
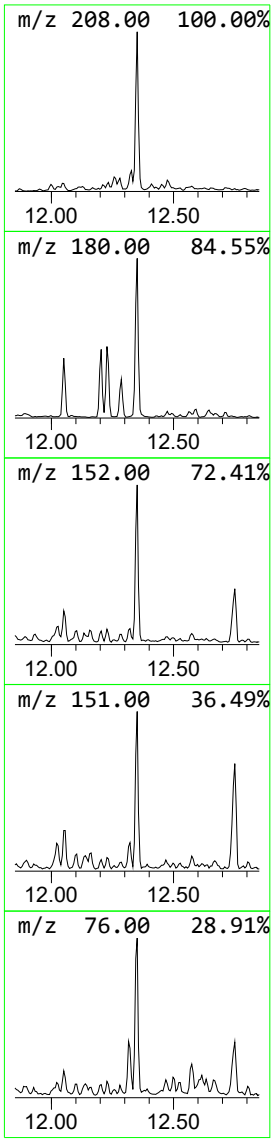
Peak Number 14 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.351	7.08 ng	699618	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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ALS Vial : 17 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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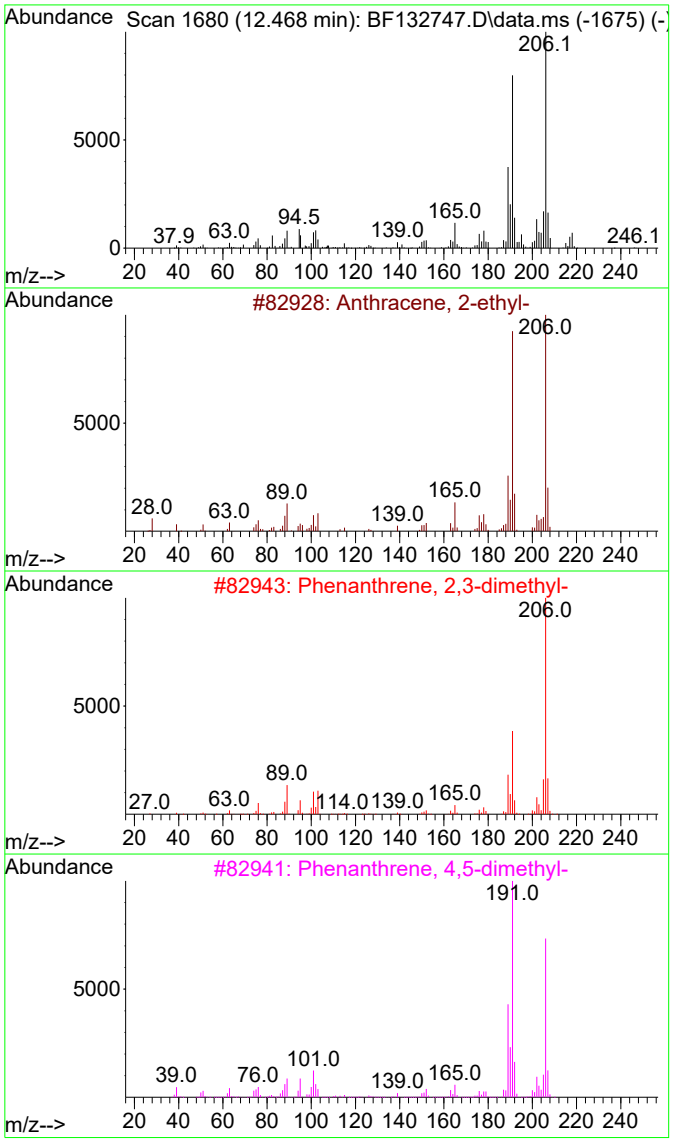
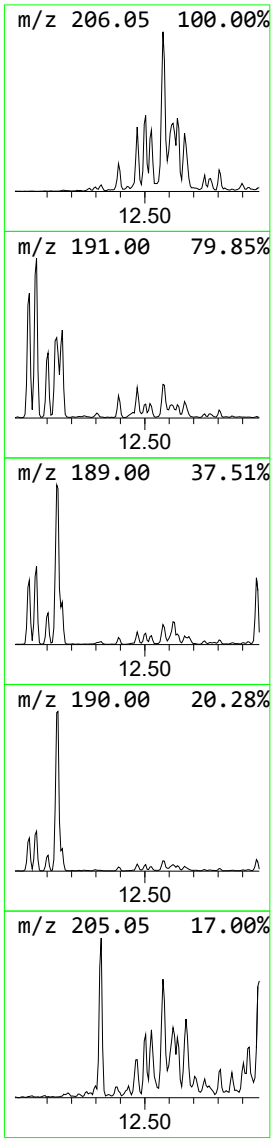
Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.93 ng	487090	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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ALS Vial : 17 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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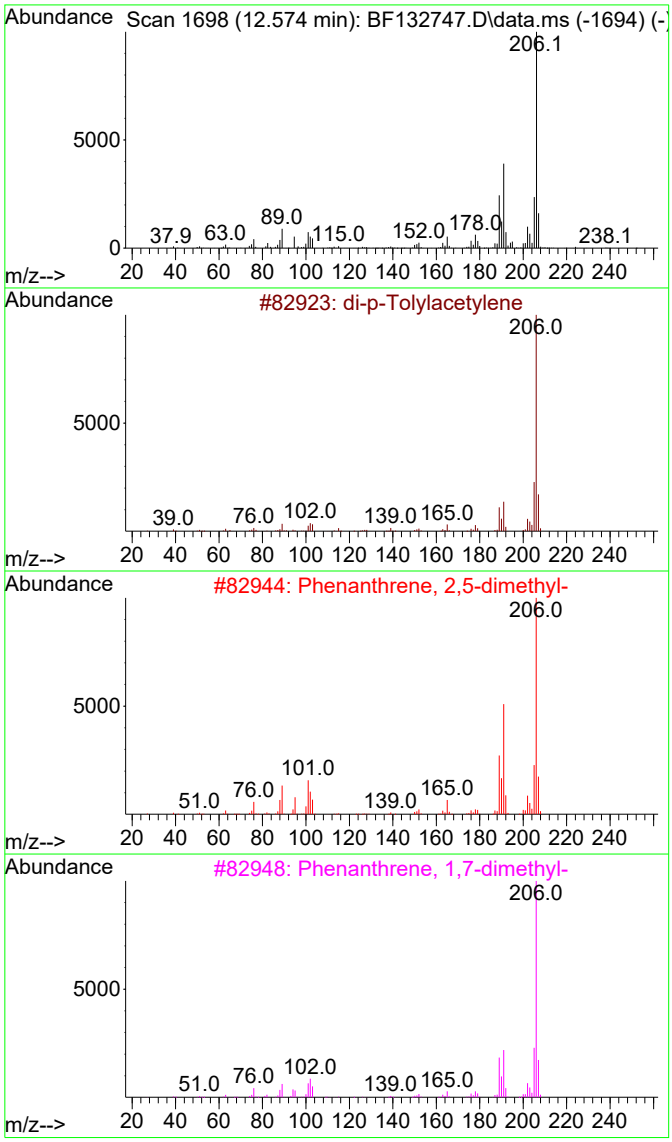
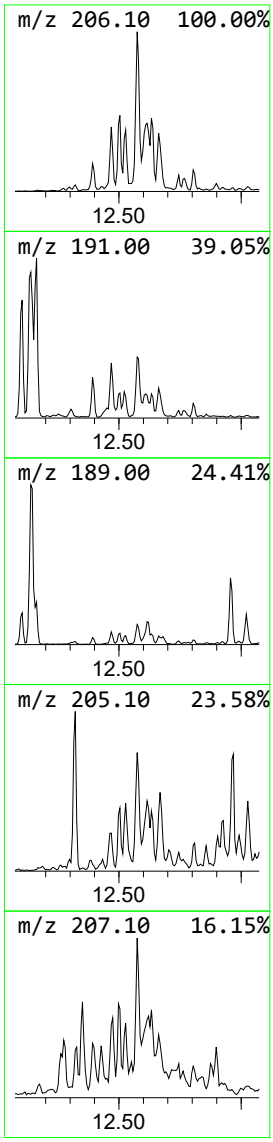
Peak Number 16 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	8.58 ng	848551	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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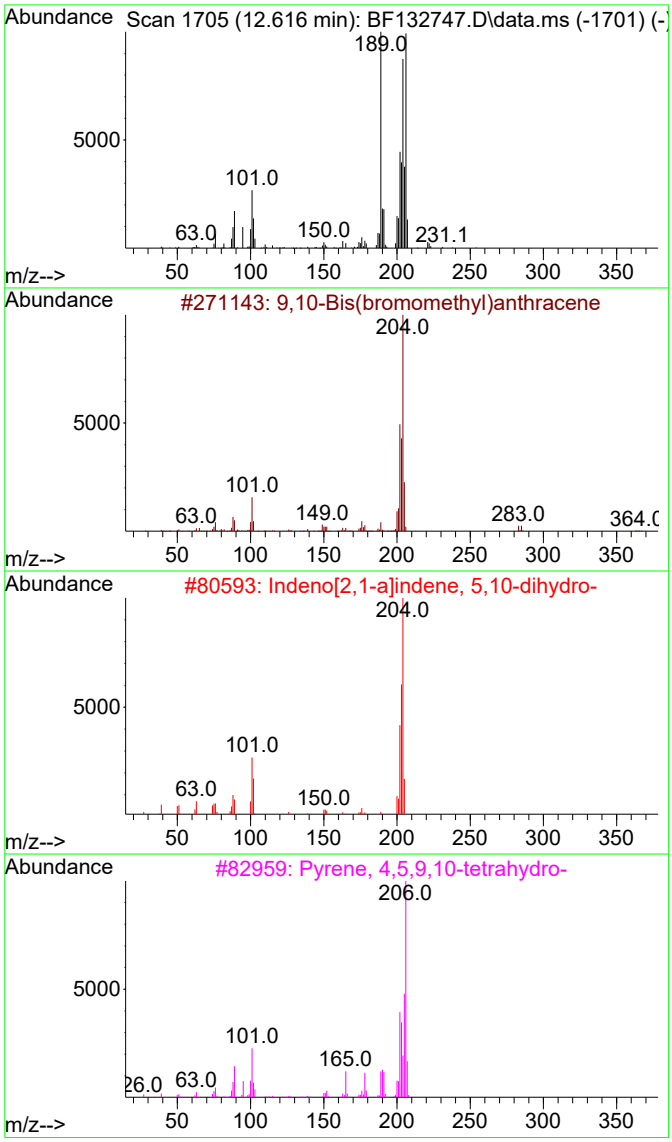
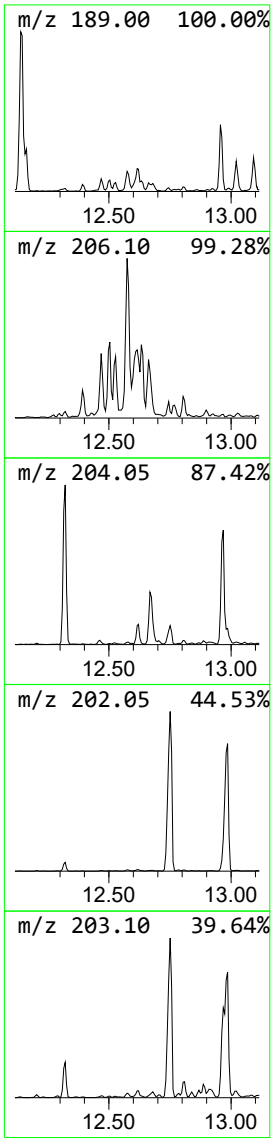
Peak Number 17 unknown12.616 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	6.81 ng	672796	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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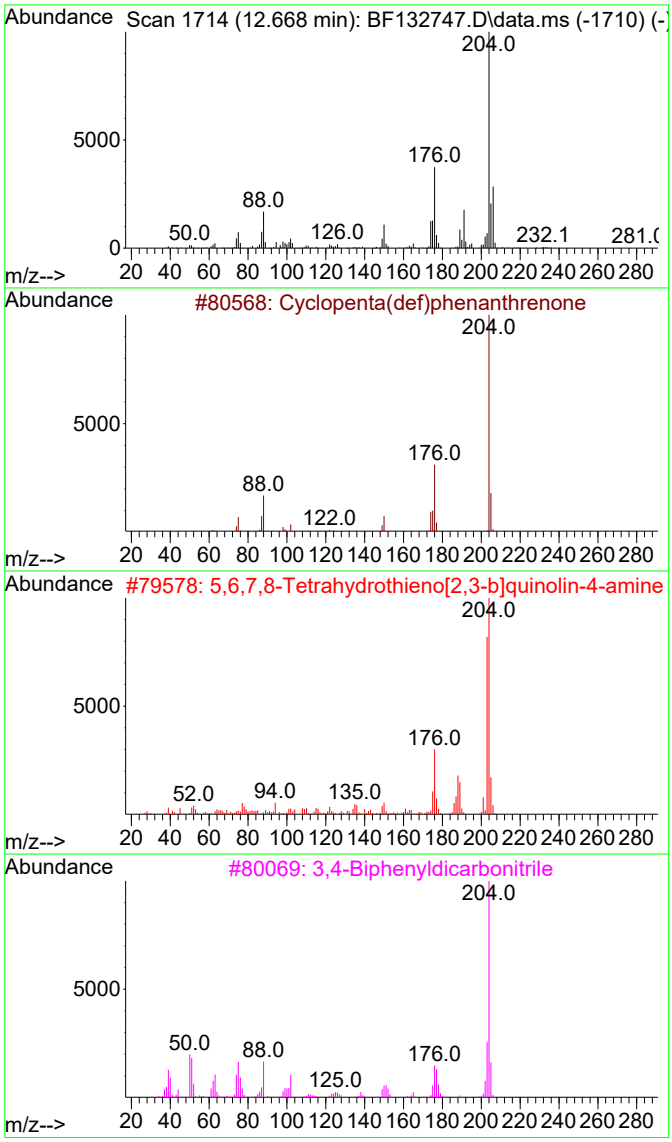
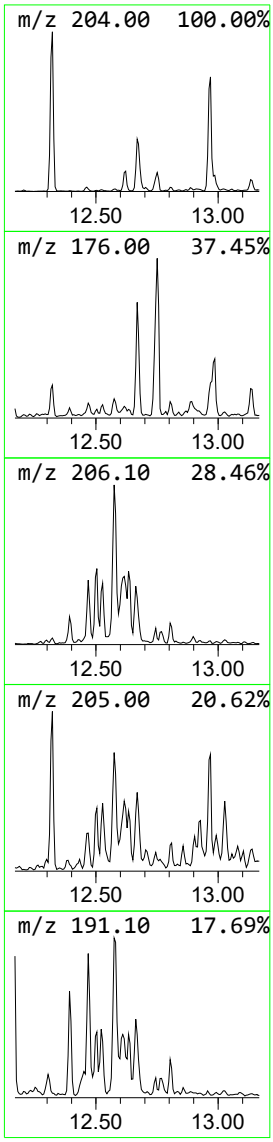
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.668	7.48 ng	739454	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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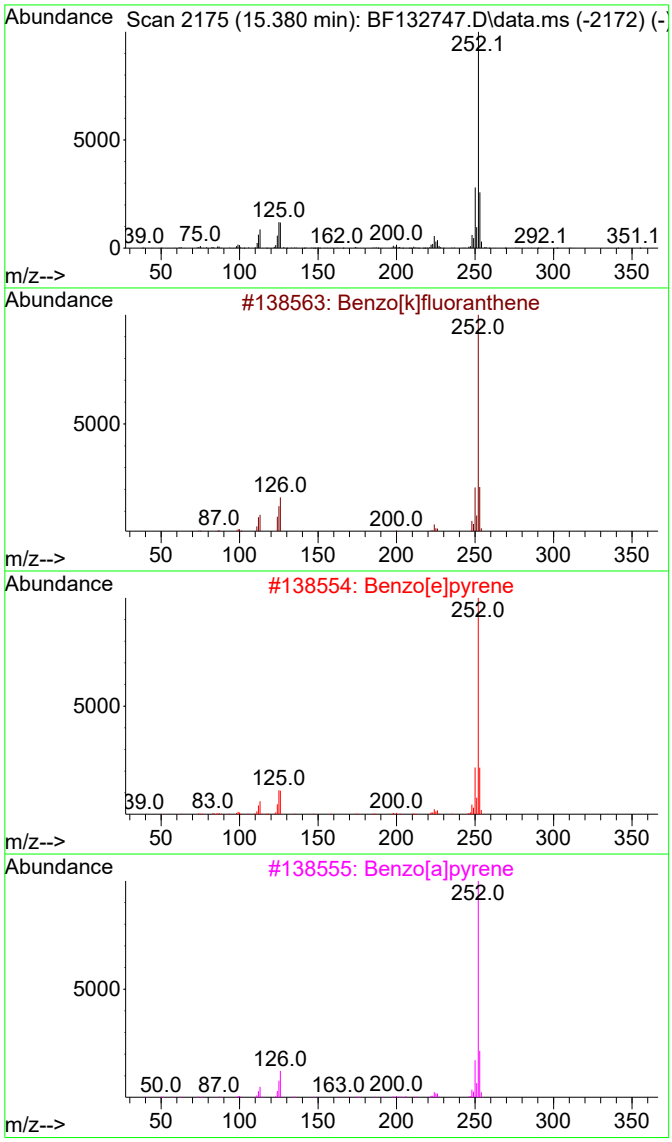
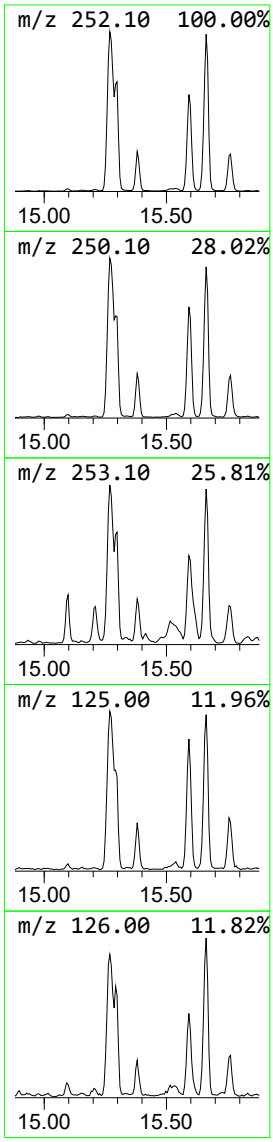
Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	6.77 ng	484840	Perylene-d12	15.727

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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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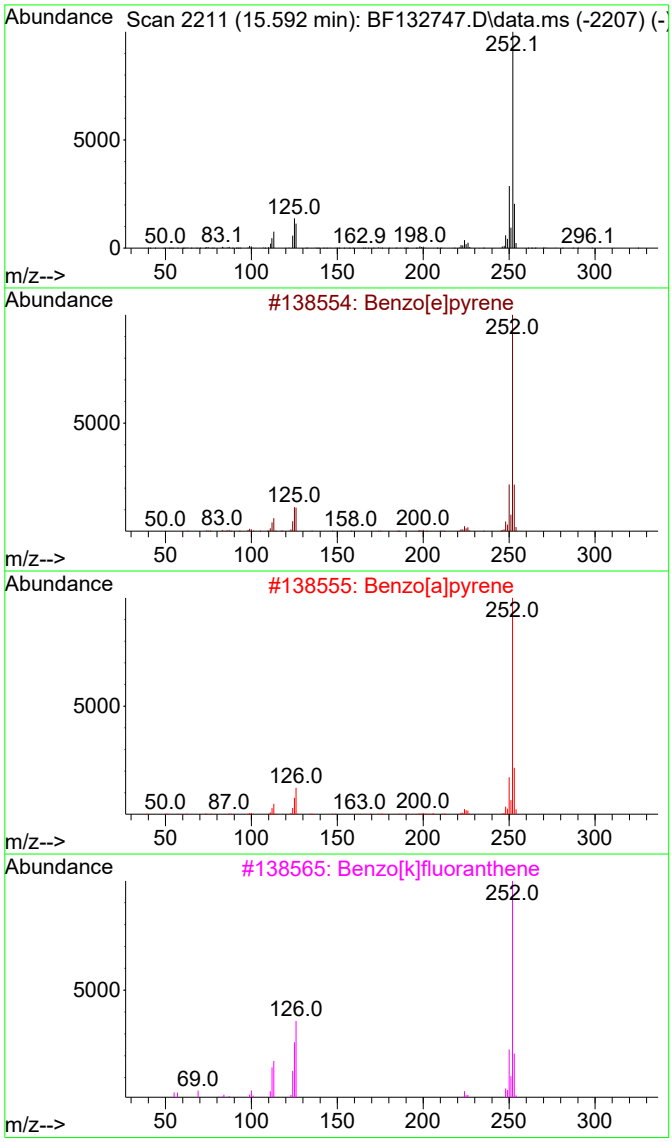
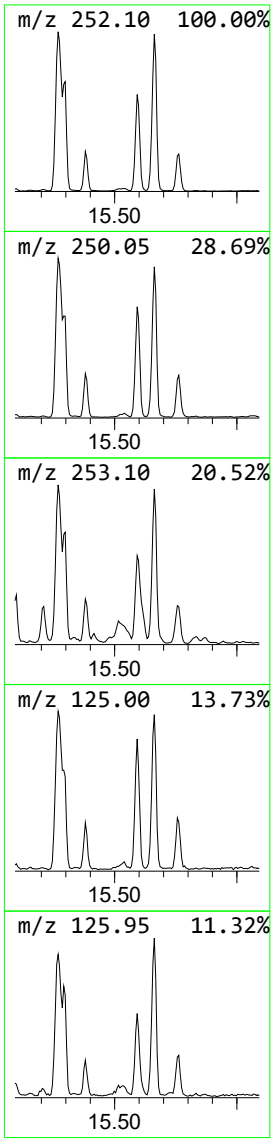
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.592	22.51 ng	1613370	Perylene-d12	15.727

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132747.D
Acq On : 10 Mar 2023 18:11
Operator : CG\JU
Sample : 01846-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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
2-Pentanone, 4-...	5.222	46.5	ng	2975720	1	6.981	1279800	20.0
Naphthalene, 2,...	9.680	5.3	ng	518717	3	10.022	1973070	20.0
[1,1'-Biphenyl]...	10.733	9.2	ng	908540	3	10.022	1973070	20.0
2,2-Dimethyl-1-...	11.251	5.7	ng	563171	4	11.522	1977290	20.0
9H-Fluoren-9-one	11.327	7.3	ng	719306	4	11.522	1977290	20.0
3'-Methyl-[1,1'...	11.363	7.3	ng	725429	4	11.522	1977290	20.0
Dibenzothiophene	11.416	8.9	ng	883492	4	11.522	1977290	20.0
Phenanthrene, 2...	12.027	20.2	ng	1996450	4	11.522	1977290	20.0
Phenanthrene, 1...	12.057	22.1	ng	2183170	4	11.522	1977290	20.0
Anthracene, 1-m...	12.104	9.8	ng	968690	4	11.522	1977290	20.0
4H-Cyclopenta[d...	12.139	24.4	ng	2414190	4	11.522	1977290	20.0
Phenanthrene, 4...	12.163	9.6	ng	949120	4	11.522	1977290	20.0
5,16[1',2']:8,1...	12.321	11.3	ng	1114300	4	11.522	1977290	20.0
9,10-Anthracene...	12.351	7.1	ng	699618	4	11.522	1977290	20.0
Anthracene, 2-e...	12.469	4.9	ng	487090	4	11.522	1977290	20.0
di-p-Tolylacety...	12.574	8.6	ng	848551	4	11.522	1977290	20.0
unknown12.616	12.616	6.8	ng	672796	4	11.522	1977290	20.0
Cyclopenta(def)...	12.668	7.5	ng	739454	4	11.522	1977290	20.0
Benzo[e]pyrene	15.380	6.8	ng	484840	6	15.727	1433180	20.0
Perylene	15.592	22.5	ng	1613370	6	15.727	1433180	20.0