LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18-B7-TP-(9.5-12)

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-BF072221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124783.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	573	577	580	rBB	43601	35707	13.05%	1.445%
2	6.492	745	749	751	rBB	42873	35244	12.88%	1.426%
3	6.875	811	814	816	rBB	39425	30037	10.98%	1.216%
4	7.428	905	908	911	rBB	27271	22712	8.30%	0.919%
5	8.051	1012	1014	1017	rBB	3650	2877	1.05%	0.116%
6	8.157	1028	1032	1034	rBV	51884	39562	14.46%	1.601%
7	8.175	1034	1035	1038	rVB	9393	6466	2.36%	0.262%
8	9.227	1211	1214	1217	rBB	52500	35744	13.06%	1.447%
9	9.774	1304	1307	1309	rBB	4429	3644	1.33%	0.147%
10	9.910	1327	1330	1333	rVB	47065	37701	13.78%	1.526%
11	9.945	1333	1336	1338	rBB	26032	20081	7.34%	0.813%
12	10.116	1362	1365	1368	rBB	12953	9096	3.32%	0.368%
13	10.457	1421	1423	1426	rBB	27234	20126	7.36%	0.815%
14	10.698	1461	1464	1467	rBB	24374	18495	6.76%	0.749%
15	11.204	1548	1550	1552	rBB	3924	2826	1.03%	0.114%
16	11.292	1563	1565	1568	rBB	7139	6016	2.20%	0.243%
17	11.357	1573	1576	1578	rBB	11905	9343	3.41%	0.378%
18	11.398	1580	1583	1585	rBV	35516	32791	11.99%	1.327%
19	11.427	1585	1588	1591	rVV	192083	179259	65.52%	7.255%
20	11.474	1593	1596	1599	rVV	53691	43631	15.95%	1.766%
21	11.504	1599	1601	1604	rVB	5276	3760	1.37%	0.152%
22	11.627	1616	1622	1625	rBB	23770	18328	6.70%	0.742%
23	11.898	1666	1668	1671	rBV	12122	10451	3.82%	0.423%
24	11.927	1671	1673	1676	rVB	20714	15680	5.73%	0.635%
25	11.974	1679	1681	1684	rBB	6202	5140	1.88%	0.208%
26	12.015	1684	1688	1690	rBV	35900	33721	12.32%	1.365%
27	12.033	1690	1691	1694	rVB	9577	5977	2.18%	0.242%
28	12.198	1716	1719	1721	rBV	11620	9016	3.30%	0.365%
29	12.221	1721	1723	1725	rVB	11230	7583	2.77%	0.307%
30	12.451	1759	1762	1765	rBV2	5188	5467	2.00%	0.221%
31	12.492	1765	1769	1771	rVV2	3761	3860	1.41%	0.156%
32	12.539	1775	1777	1781	rBB	6491	5518	2.02%	0.223%
33	12.627	1786	1792	1795	rBV	280469	271561	99.26%	10.991%
34	12.710	1803	1806	1808	rBB	3961	2745	1.00%	0.111%
35	12.768	1813	1816	1823	rVB2	6523	6886	2.52%	0.279%
36	12.857	1824	1831	1834	rBV2	225898	273599	100.00%	11.073%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18-B7-TP-(9.5-12)

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-BF072221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.892	1834	1837	1841	rVB	8555	7102	2.60%	0.287%
38	12.962	1846	1849	1850	rBV	12747	9641	3.52%	0.390%
39	12.980	1850	1852	1854	rVV	37178	31801	11.62%	1.287%
40	12.998	1854	1855	1860	rVB	12174	8620	3.15%	0.349%
41	13.062	1861	1866	1869	rBV2	10169	16359	5.98%	0.662%
42	13.092	1869	1871	1873	rVB	7595	4758	1.74%	0.193%
43	13.145	1874	1880	1882	rBV4	7957	10687	3.91%	0.433%
44	13.168	1882	1884	1888	rVB	29101	27168	9.93%	1.100%
45	13.239	1893	1896	1898	rBV2	27627	22444	8.20%	0.908%
46	13.274	1898	1902	1905	rVV2	17874	17215	6.29%	0.697%
47	13.304	1905	1907	1909	rVB	5152	3812	1.39%	0.154%
48	13.327	1909	1911	1914	rVB2	3331	3182	1.16%	0.129%
49	13.368	1914	1918	1920	rBV	8646	7043	2.57%	0.285%
50	13.398	1920	1923	1926	rBV	10342	8996	3.29%	0.364%
51	13.651	1964	1966	1968	rBV	3097	3872	1.42%	0.157%
52	13.674	1968	1970	1975	rVB	12912	12977	4.74%	0.525%
53	13.792	1986	1990	1992	rBV3	17912	18758	6.86%	0.759%
54	13.821	1992	1995	1997	rVV	17538	16221	5.93%	0.657%
55	13.845	1997	1999	2003	rVV2	15989	21053	7.69%	0.852%
56	13.886	2003	2006	2009	rVB2	15476	12989	4.75%	0.526%
57	13.957	2016	2018	2021	rVB	4168	4036	1.48%	0.163%
58	14.039	2024	2032	2035	rVV2	147384	196061	71.66%	7.935%
59	14.074	2035	2038	2043	rVB	128763	110643	40.44%	4.478%
60	14.151	2048	2051	2054	rVV	28069	23280	8.51%	0.942%
61	14.186	2054	2057	2058	rVV2	6778	5701	2.08%	0.231%
62	14.227	2061	2064	2067	rVV2	8801	9347	3.42%	0.378%
63	14.262	2067	2070	2074	rVB2	13229	15712	5.74%	0.636%
64	14.298	2074	2076	2078	rBV2	3280	2780	1.02%	0.113%
65	14.362	2083	2087	2090	rBV2	3921	6048	2.21%	0.245%
66	14.427	2094	2098	2101	rVV	18343	19032	6.96%	0.770%
67	14.462	2101	2104	2107	rVV3	8152	8554	3.13%	0.346%
68	14.521	2111	2114	2116	rVV2	8441	9191	3.36%	0.372%
69	14.551	2116	2119	2121	rVV	11216	10828	3.96%	0.438%
70	14.574	2121	2123	2127	rVV2	11945	10311	3.77%	0.417%
71	14.609	2127	2129	2130	rVV2	4319	3958	1.45%	0.160%
72	14.627	2130	2132	2137	rVB2	3666	3972	1.45%	0.161%
73	14.733	2145	2150	2153	rBV3	3625	4358	1.59%	0.176%
74	14.927	2176	2183	2186	rVB3	4467	7844	2.87%	0.317%
75	15.092	2206	2211	2214	rBV	74714	121158	44.28%	4.904%
76	15.115	2214	2215	2219	rVB	43925	35161	12.85%	1.423%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18-B7-TP-(9.5-12)

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-BF072221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.198	2225	2229	2232	rVB	16514	16084	5.88%	0.651%
78	15.398	2257	2263	2268	rVB	42494	56924	20.81%	2.304%
79	15.462	2268	2274	2278	rVV	61775	78038	28.52%	3.158%
80	15.521	2280	2284	2287	rBV2	20813	26971	9.86%	1.092%
81	15.551	2287	2289	2296	rVB3	17008	21750	7.95%	0.880%
82	15.956	2355	2358	2366	rBV4	1581	3389	1.24%	0.137%
83	16.086	2377	2380	2385	rVB2	3921	4992	1.82%	0.202%
84	16.815	2497	2504	2505	rBV5	3724	5236	1.91%	0.212%
85	16.827	2505	2506	2513	rVB3	3334	5274	1.93%	0.213%
86	17.009	2530	2537	2543	rVB3	24906	48690	17.80%	1.971%
87	17.186	2562	2567	2572	rVB	4556	6630	2.42%	0.268%
88	17.233	2572	2575	2577	rBV	3239	3541	1.29%	0.143%
89	17.456	2606	2613	2621	rVB2	21332	40497	14.80%	1.639%
90	17.692	2645	2653	2657	rVB5	4326	9436	3.45%	0.382%

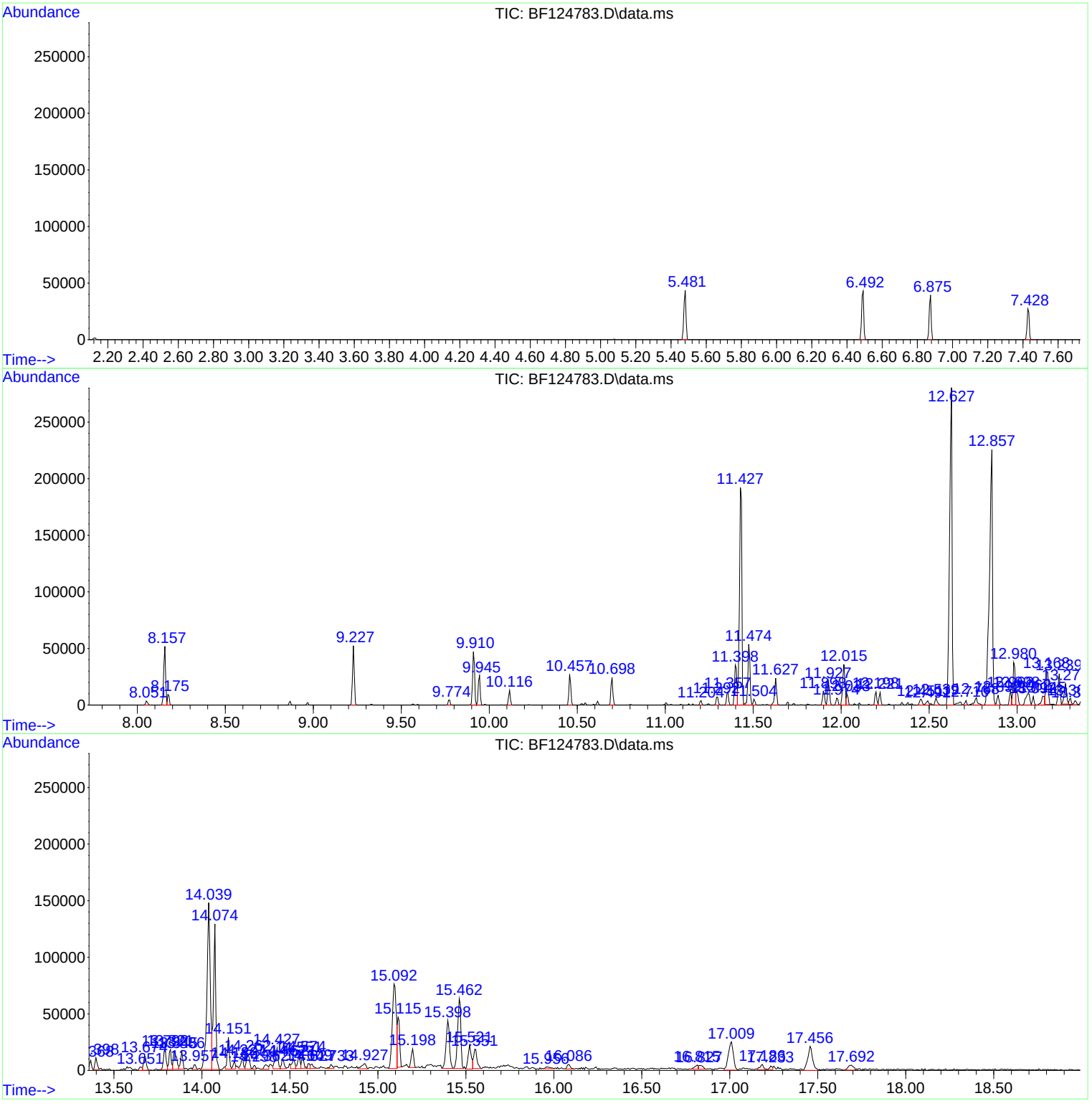
Sum of corrected areas: 2470775

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

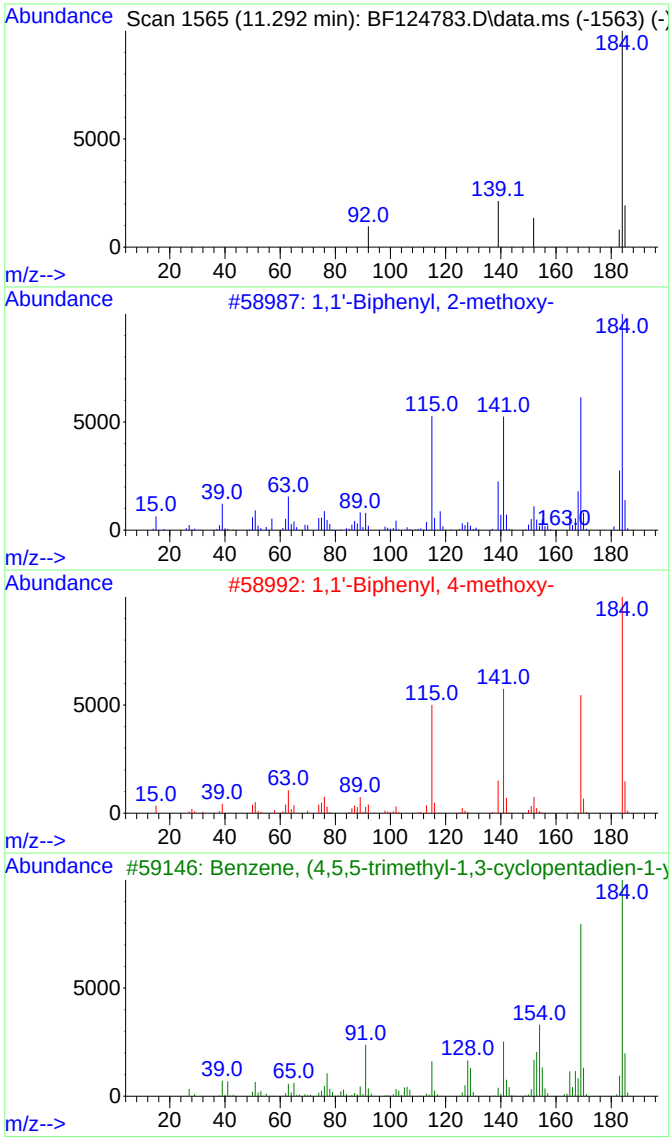
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

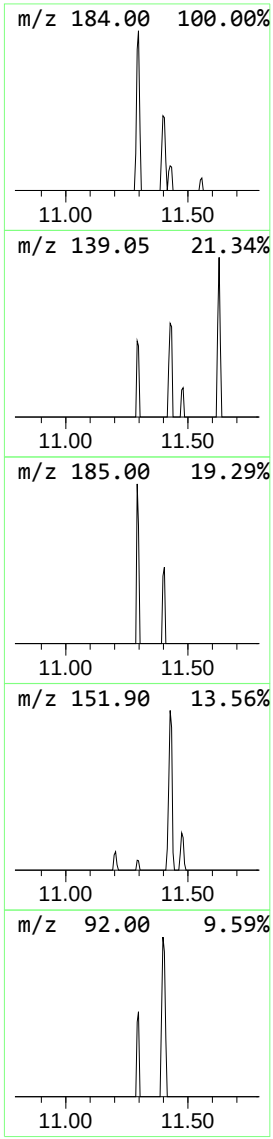
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1,1'-Biphenyl, 2-methoxy- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	3.67 ng	6016	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	83
2	1,1'-Biphenyl, 4-methoxy-	184	C13H12O	000613-37-6	74
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	72
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	56
5	Benzene, 1-methyl-4-phenoxy-	184	C13H12O	001706-12-3	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

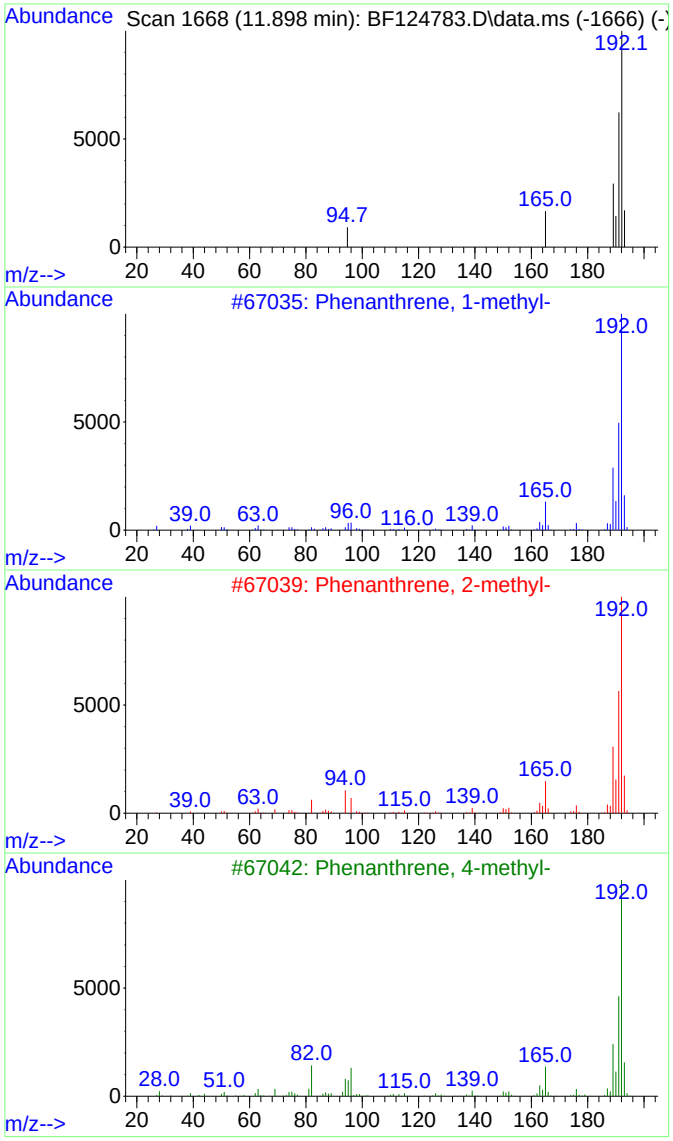
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

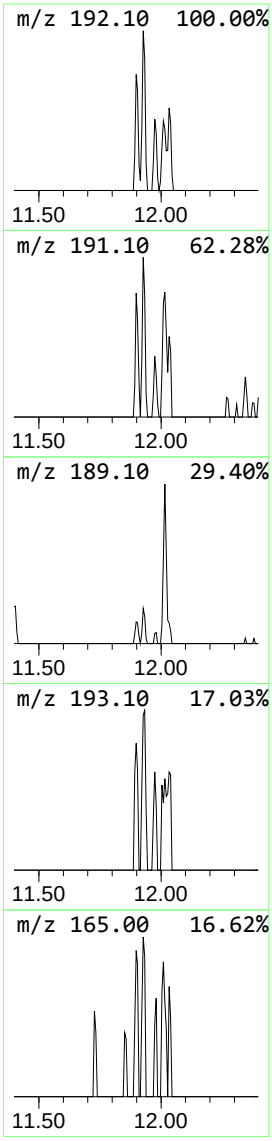
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	6.37 ng	10451	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

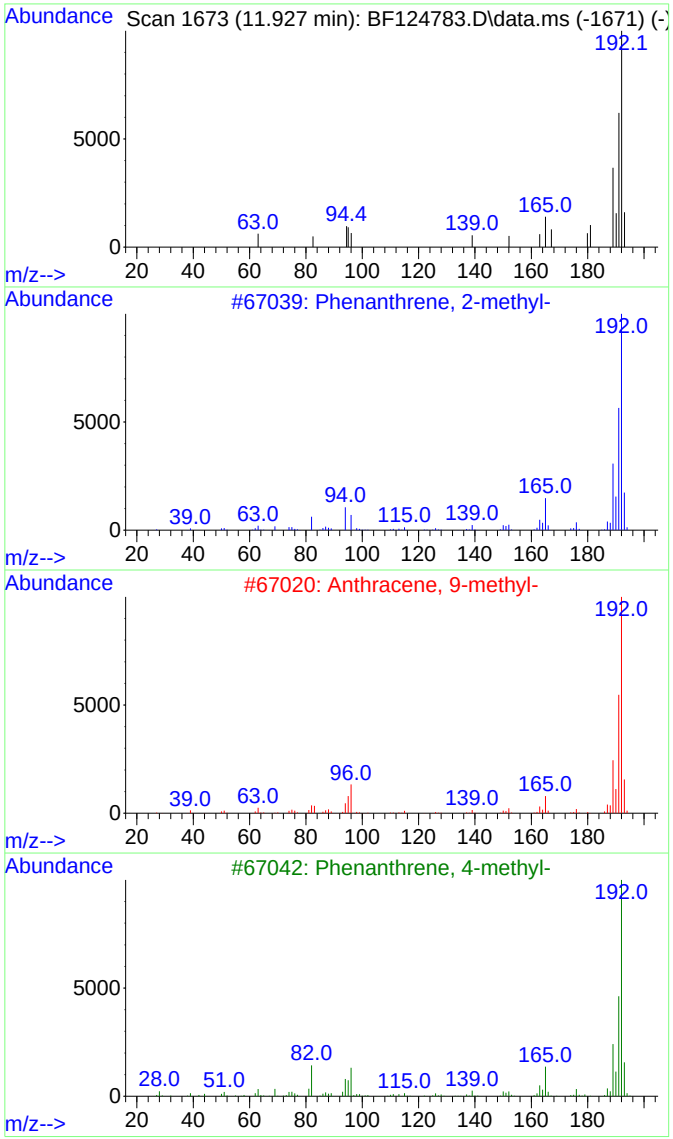
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

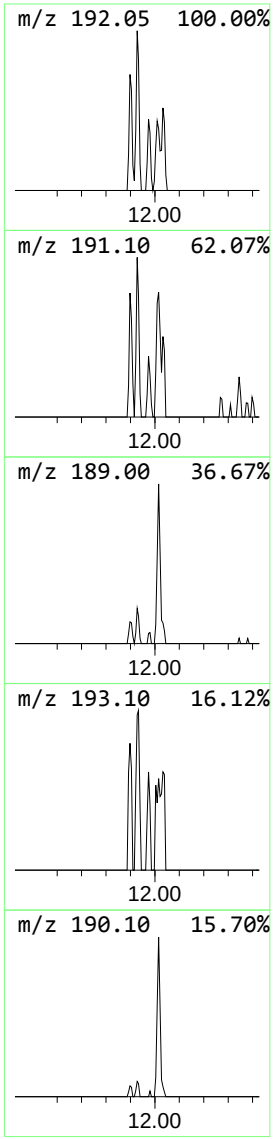
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	9.56 ng	15680	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

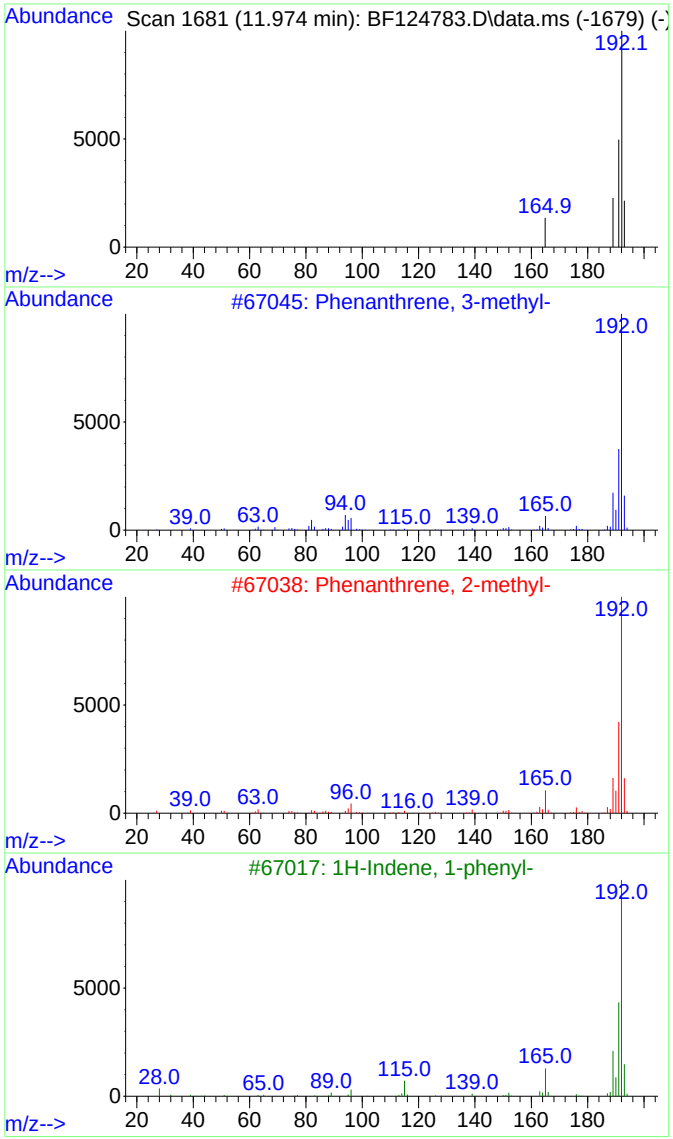
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

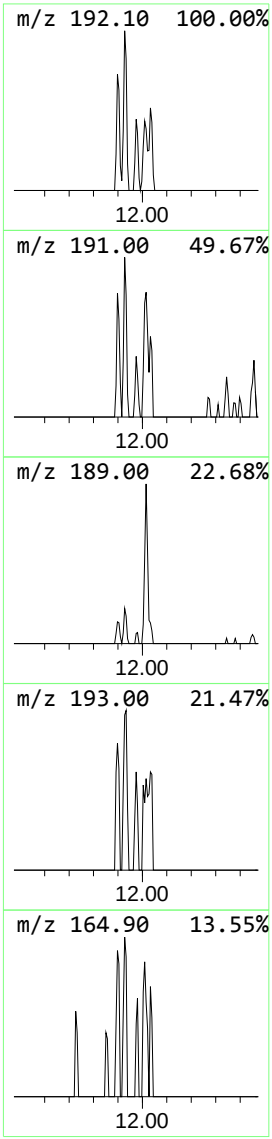
****

Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	3.14 ng	5140	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

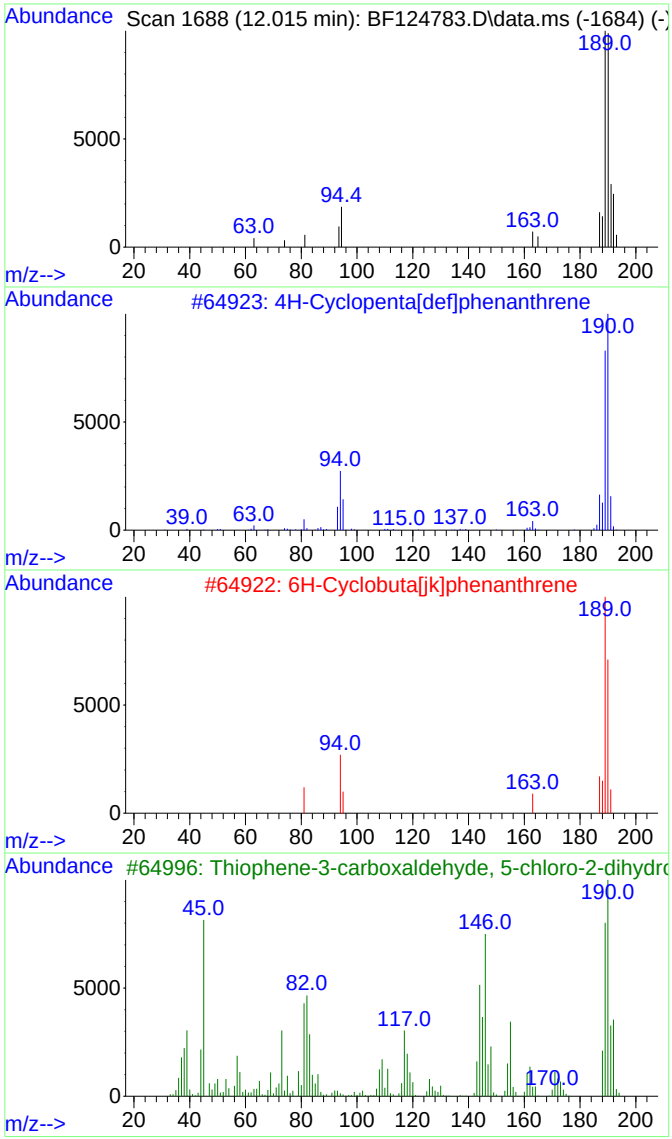
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

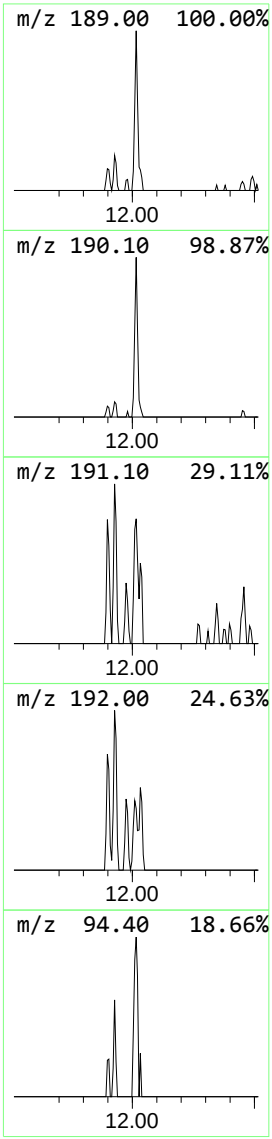
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	20.57 ng	33721	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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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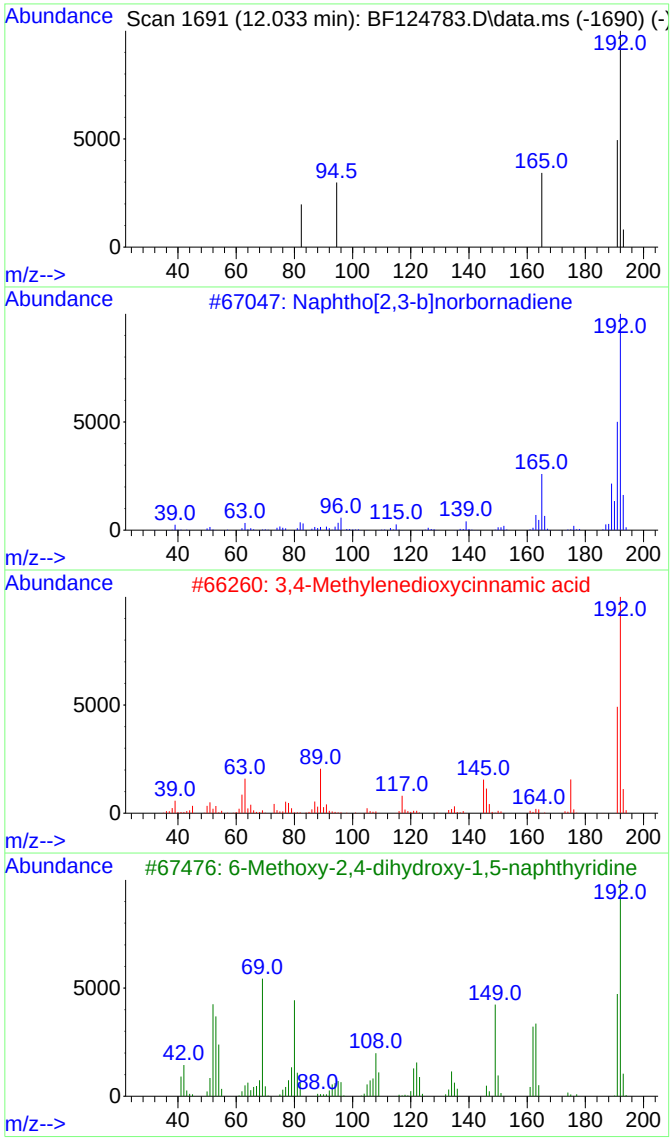
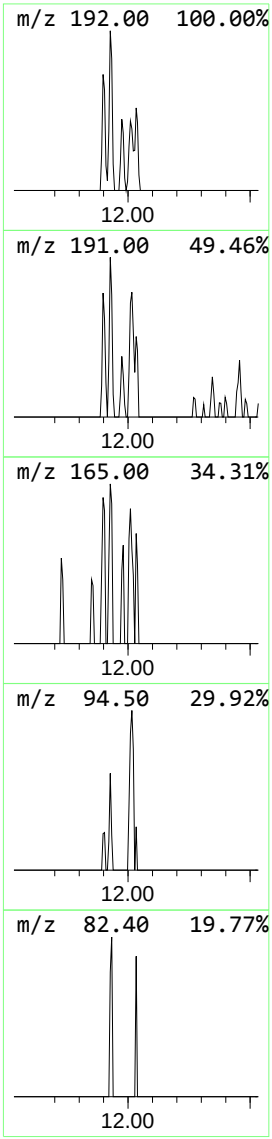
Peak Number 6 Naphtho[2,3-b]norbornadiene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	3.65 ng	5977	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	56
2	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	9
3	6-Methoxy-2,4-dihydroxy-1,5-naph...	192	C9H8N2O3	1000214-53-2	9
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	9
5	p-Trifluoromethoxybenzyl alcohol	192	C8H7F3O2	001736-74-9	9





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Sample : M3176-01 5X
Misc :
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18-B7-TP-(9.5-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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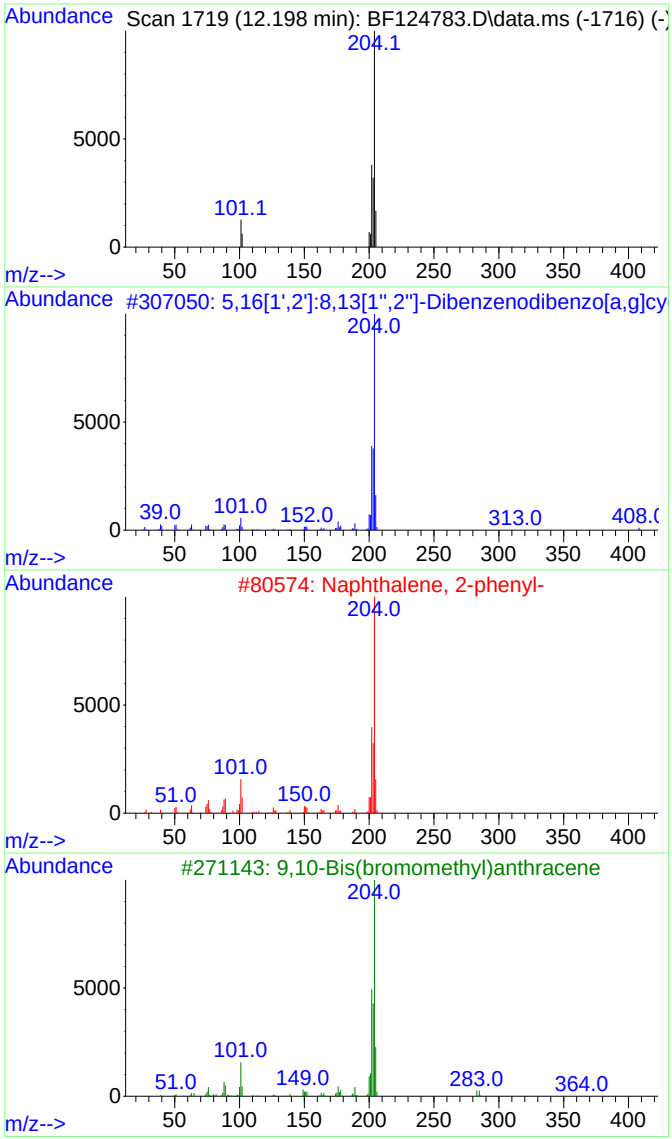
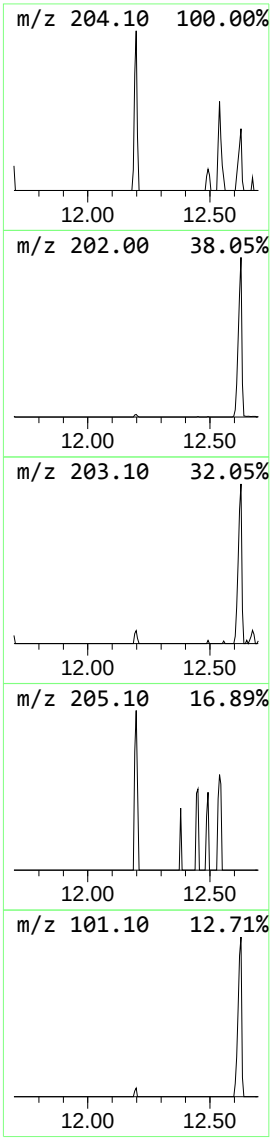
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	5.50 ng	9016	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	40





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

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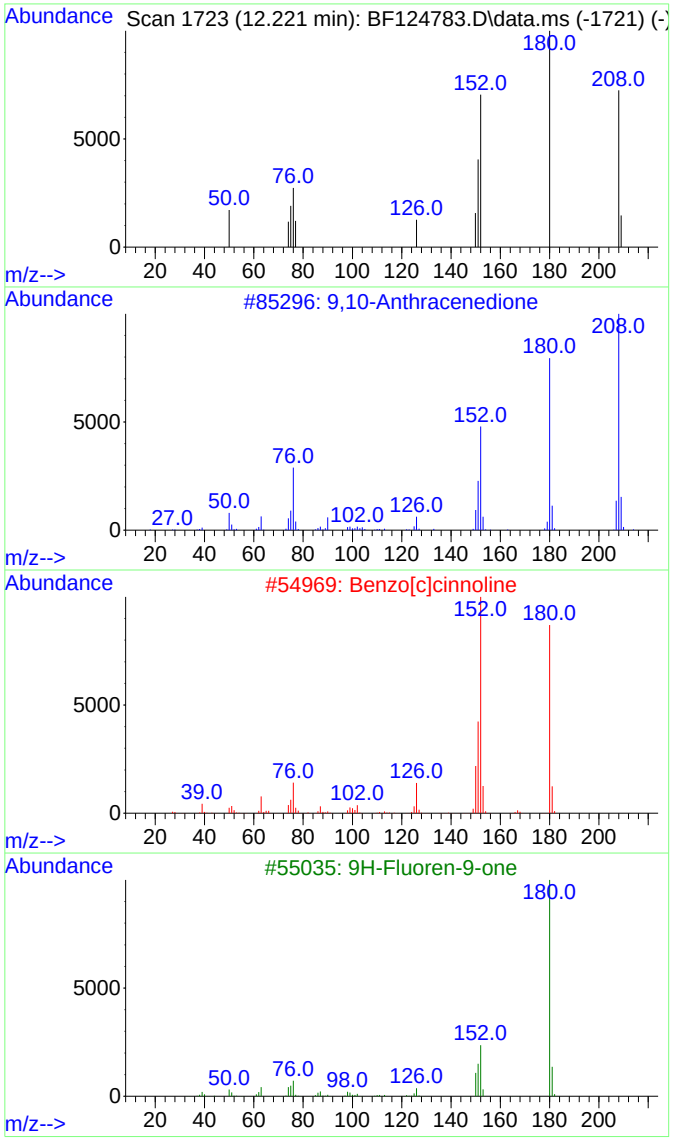
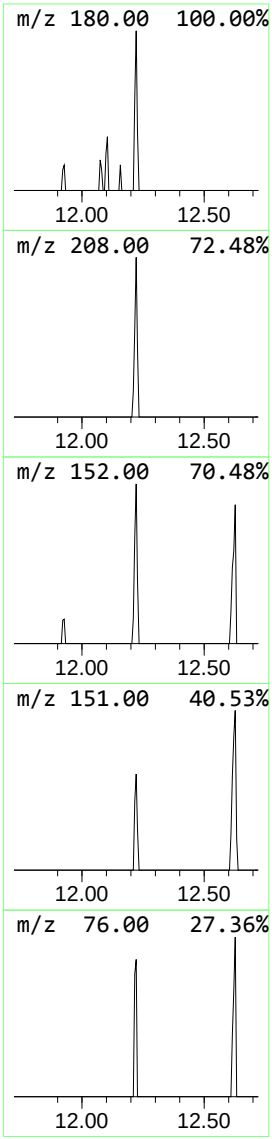
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.221	4.63 ng	7583	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	72
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52





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TIC Library : C:\Database\NIST20.L
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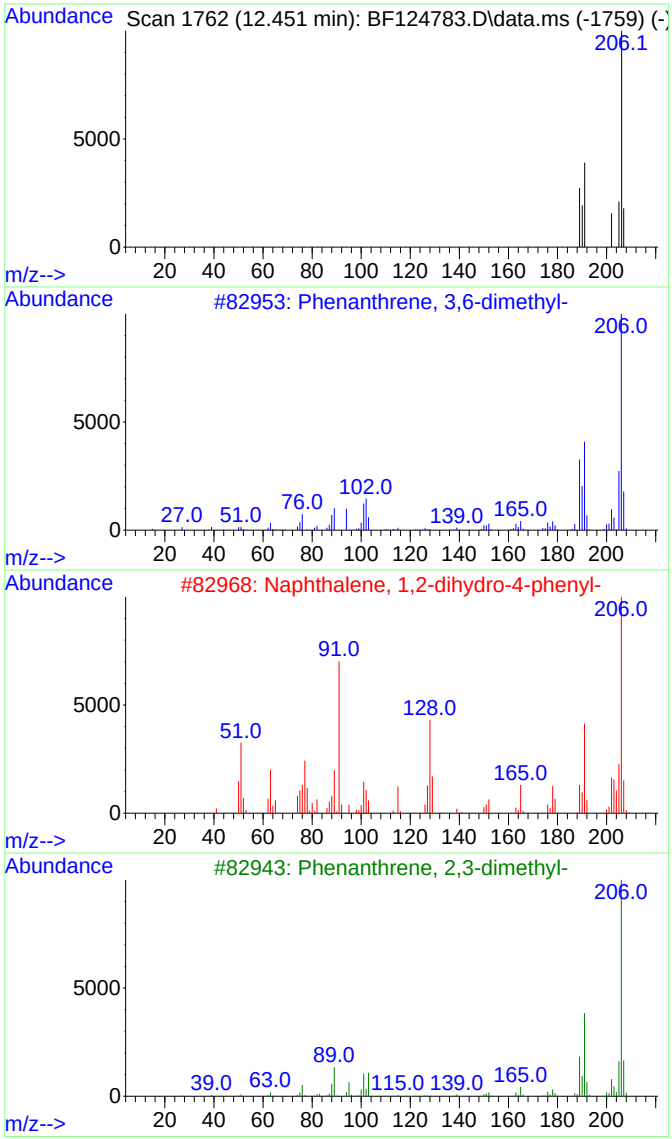
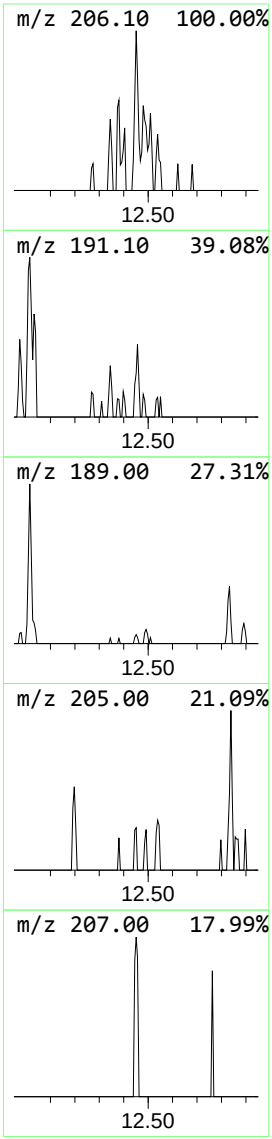
****
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.33 ng	5467	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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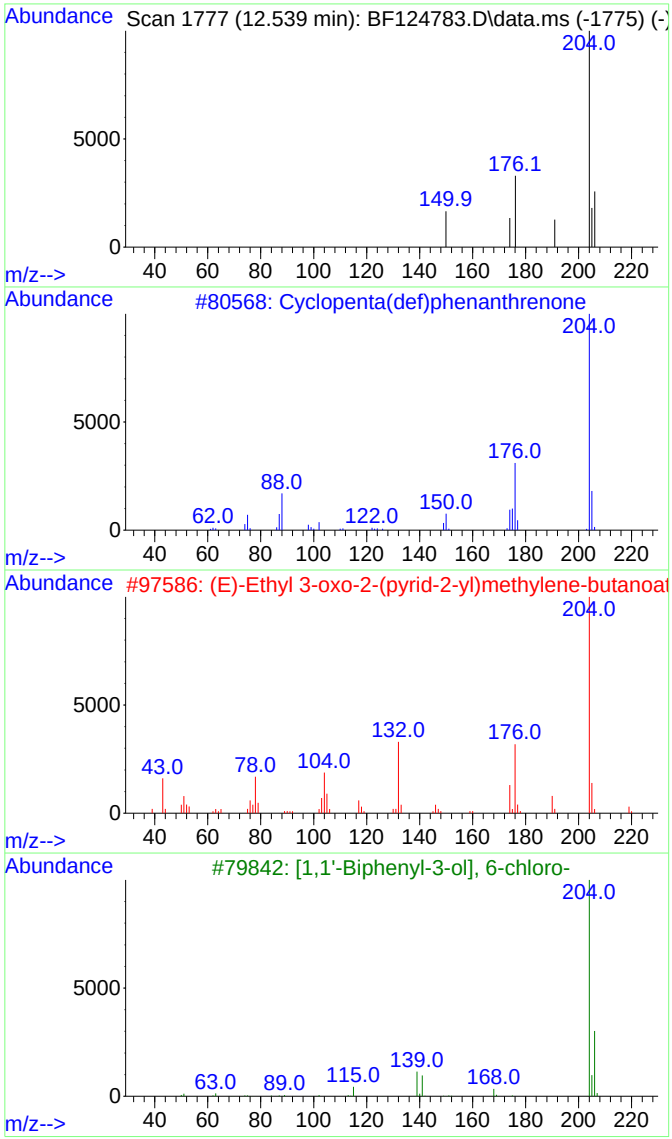
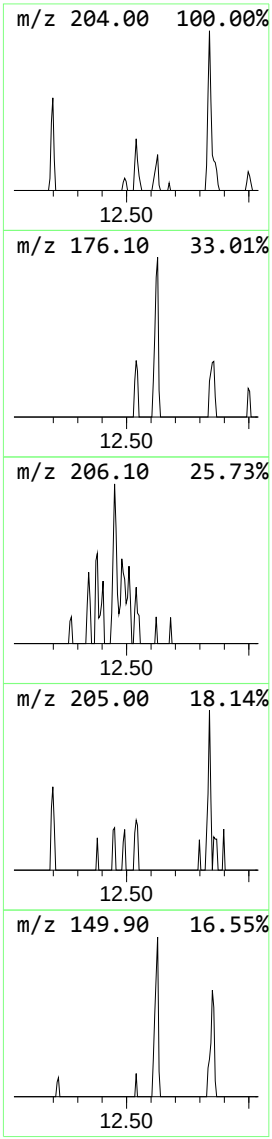
****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	3.37 ng	5518	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	40
3	[1,1'-Biphenyl-3-ol], 6-chloro-	204	C12H9ClO	021345-13-1	9
4	2-Methylthio-1,4-naphthoquinone	204	C11H8O2S	026037-60-5	9
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	9





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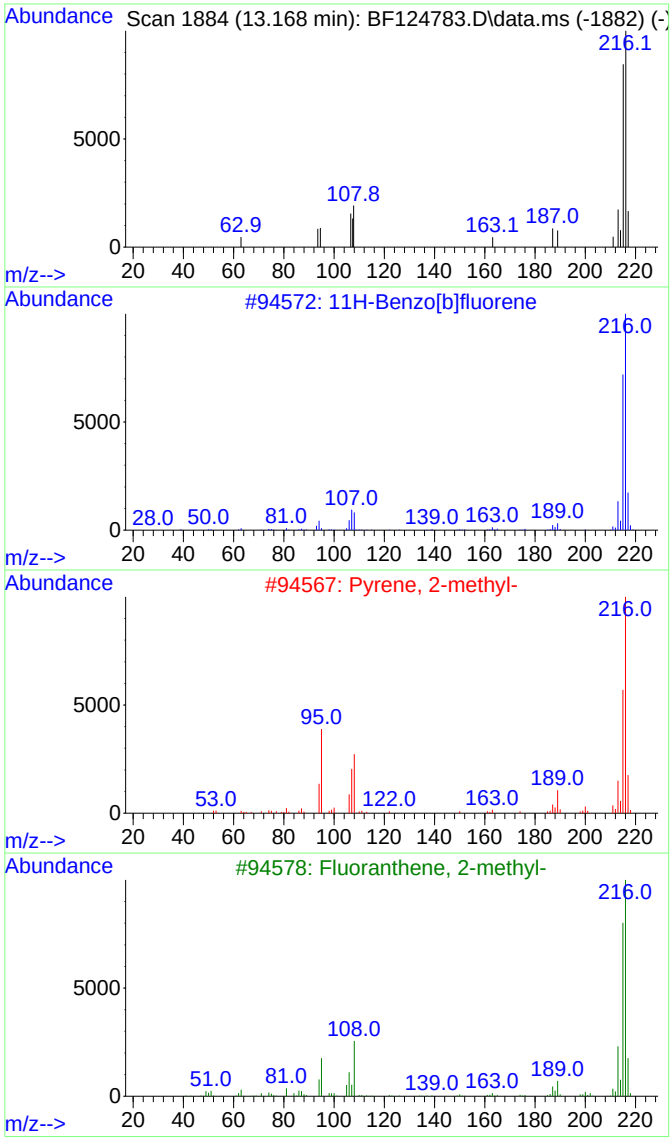
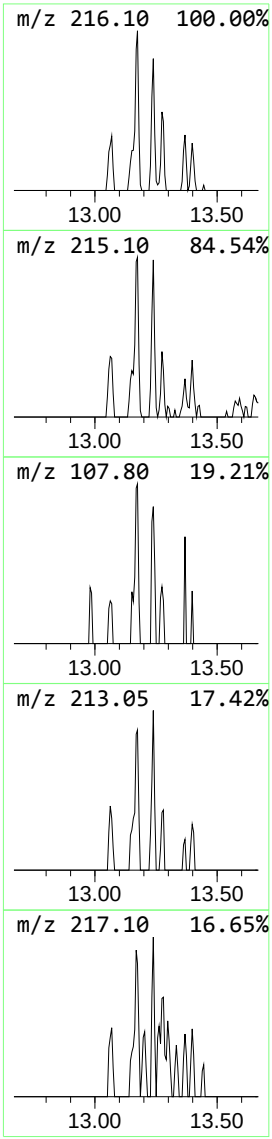
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.168	2.77 ng	27168	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90





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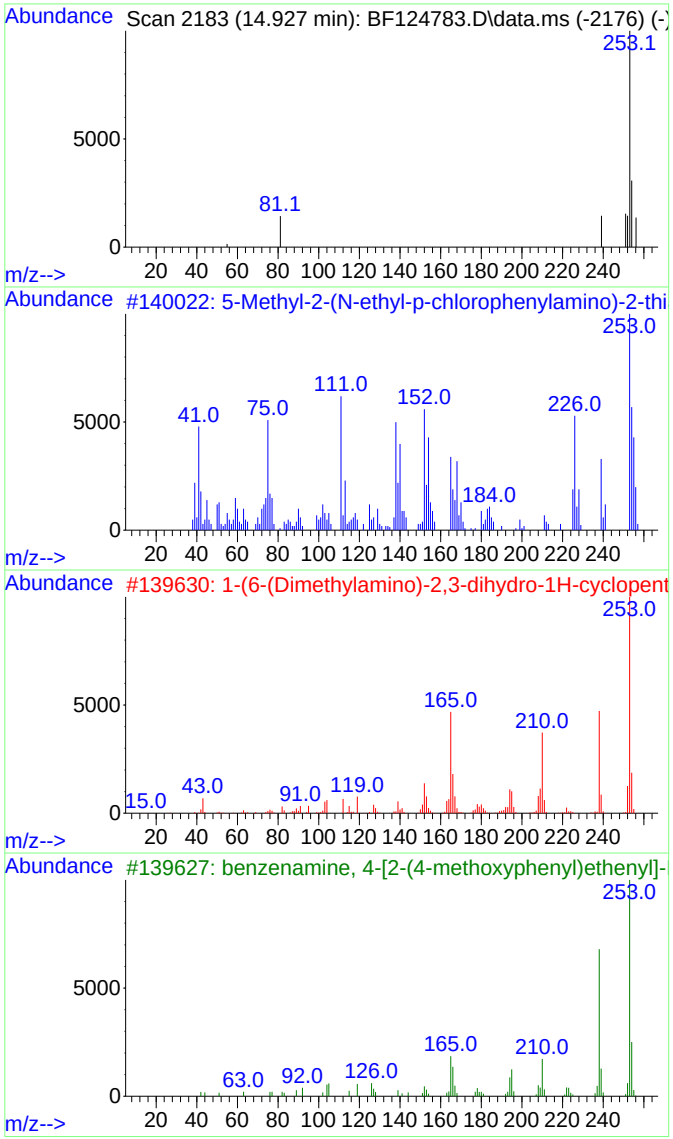
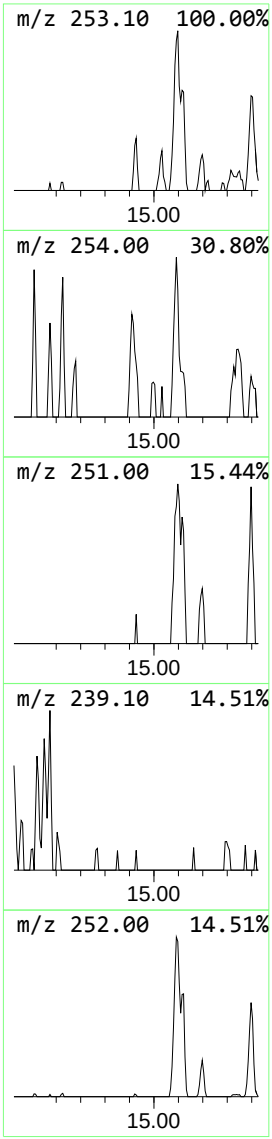
****
Peak Number 12 5-Methyl-2-(N-ethyl-p-chlor... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	5.82 ng	7844	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-2-(N-ethyl-p-chlorophen...	254	C12H15ClN2S	075220-53-0	56
2	1-(6-(Dimethylamino)-2,3-dihydro...	253	C17H19NO	1390263-99-6	9
3	benzenamine, 4-[2-(4-methoxyphen...	253	C17H19NO	1000401-41-8	9
4	N,N-Diethyl-1-benzoselenophen-2-...	253	C12H15NSe	1000411-36-2	5
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	5





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TIC Library : C:\Database\NIST20.L
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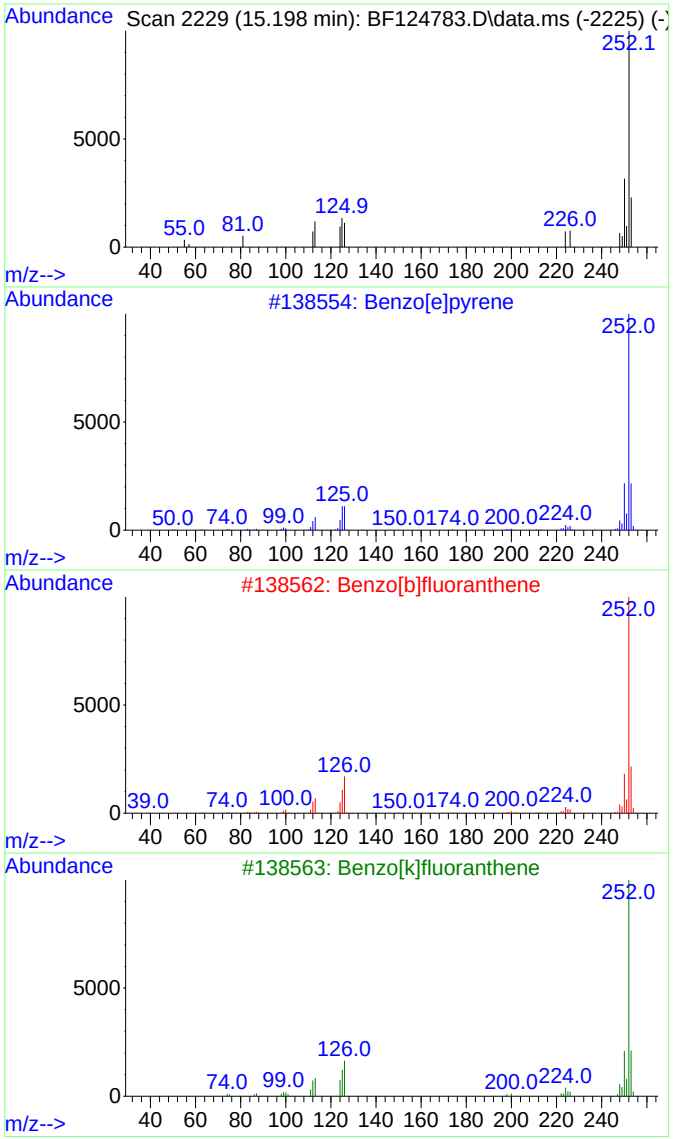
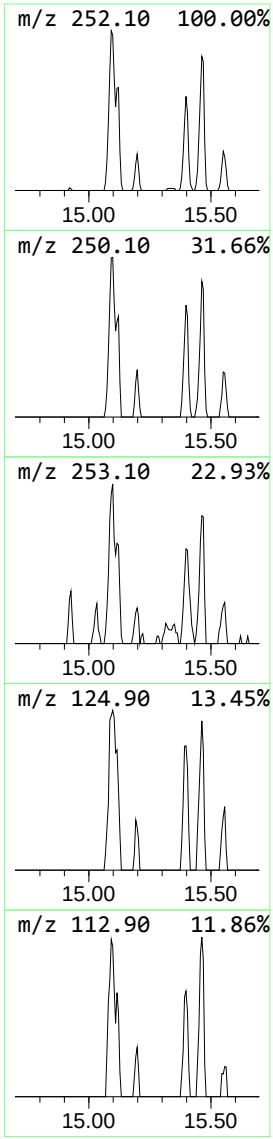
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	11.93 ng	16084	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	87
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	72





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TIC Library : C:\Database\NIST20.L
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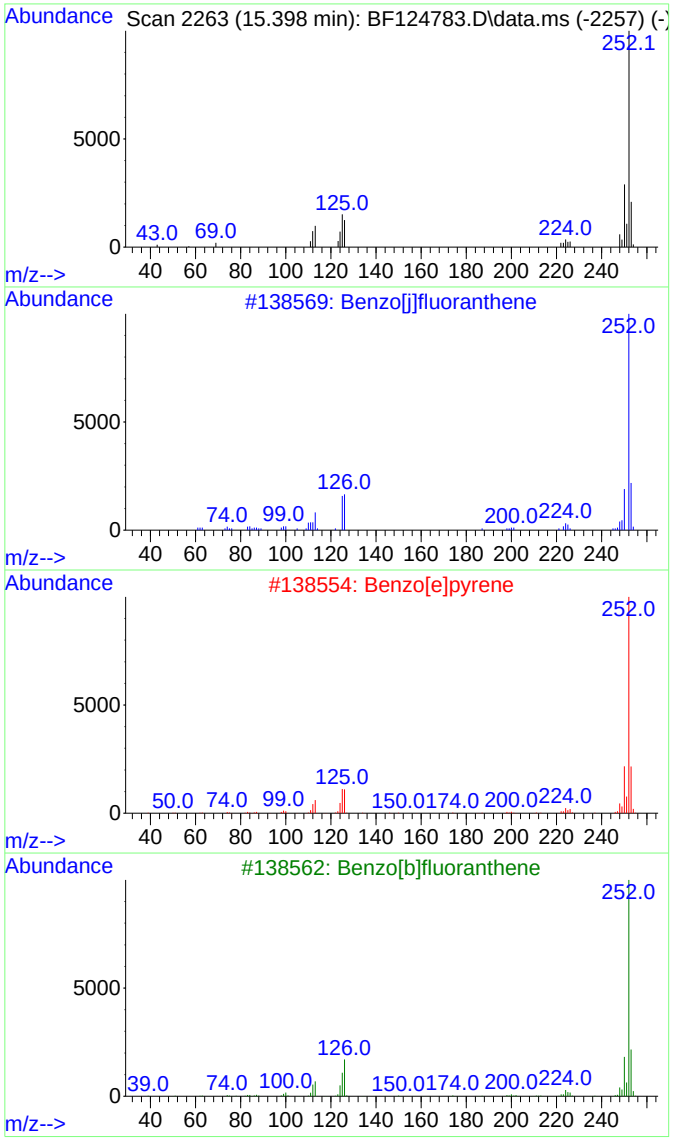
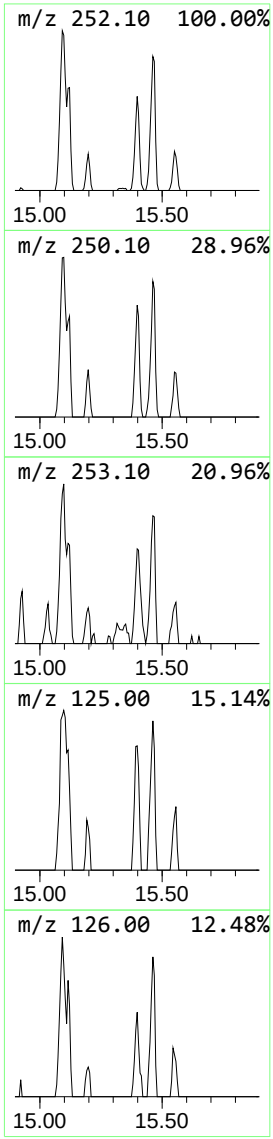
Peak Number 14 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	42.21 ng	56924	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





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TIC Library : C:\Database\NIST20.L
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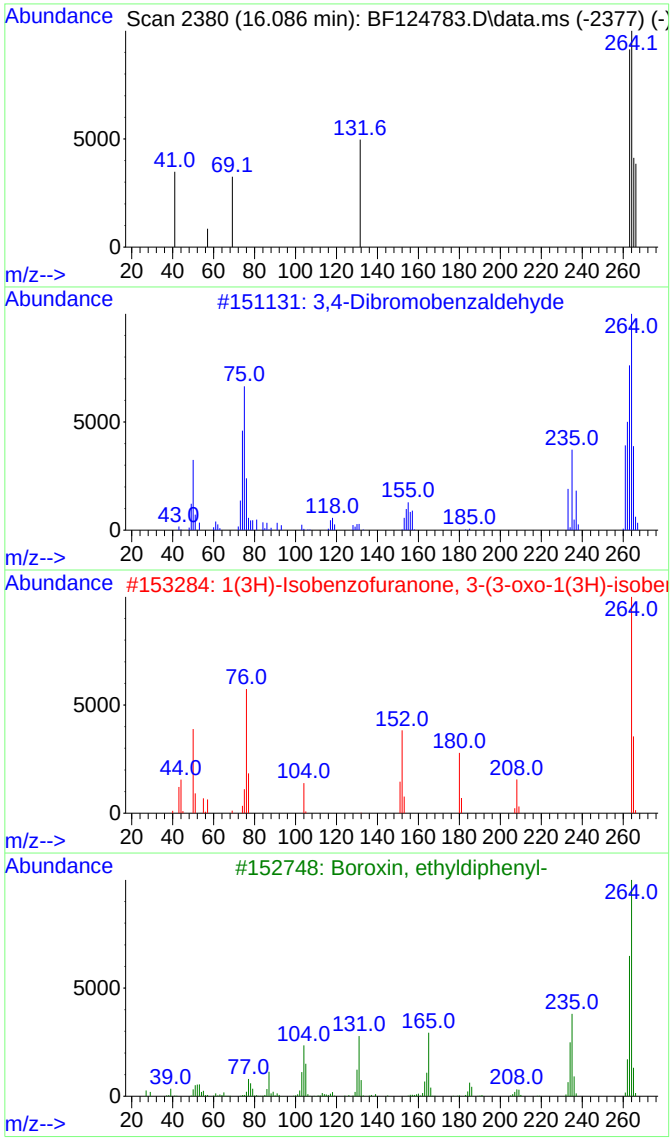
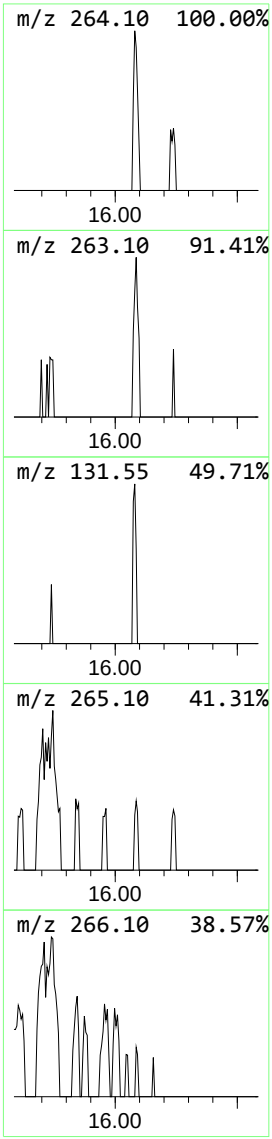
Peak Number 15 unknown16.086 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.086	3.70 ng	4992	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	42
2	1(3H)-Isobenzofuranone, 3-(3-oxo...	264	C16H8O4	019357-64-3	9
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	7
4	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	7
5	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8	7





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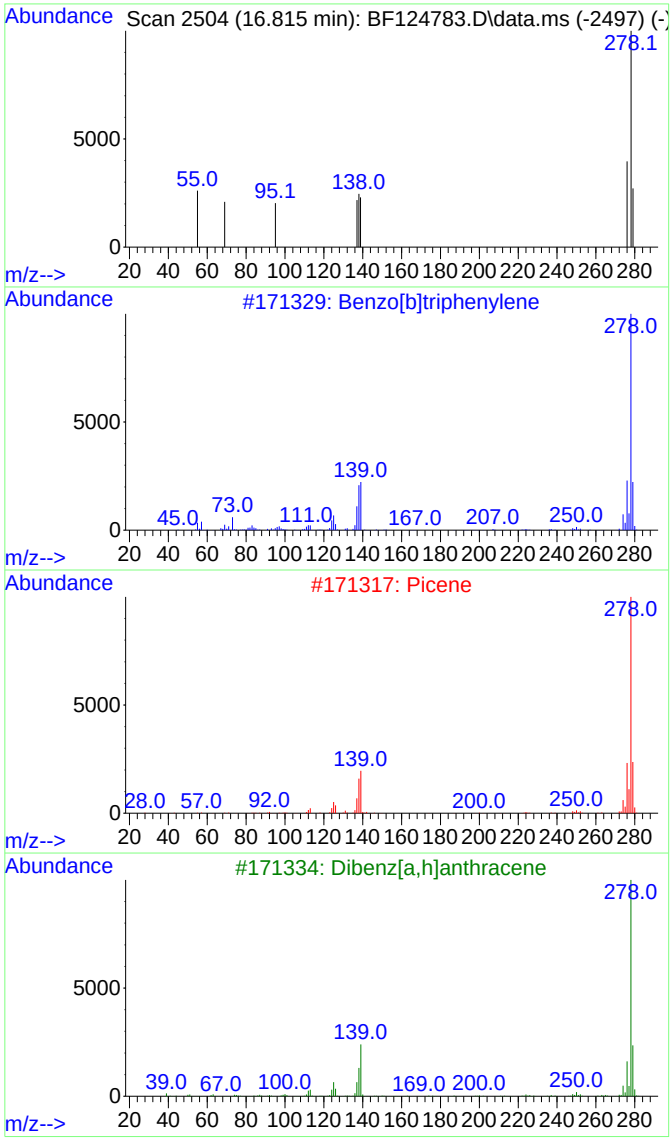
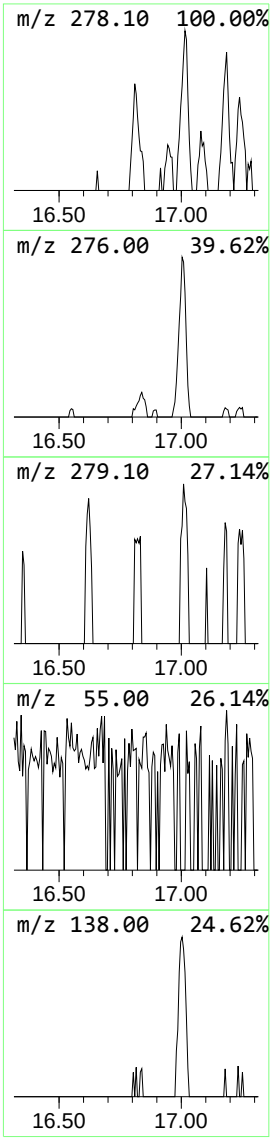
Peak Number 16 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.815	3.88 ng	5236	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	59
2	Picene	278	C22H14	000213-46-7	58
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	40
4	7H-Benz[e]inden-7-one, 3-(acetyl...	332	C21H32O3	058673-15-7	9
5	Hexamethyleneiminoacetonitrile	138	C8H14N2	054714-50-0	7





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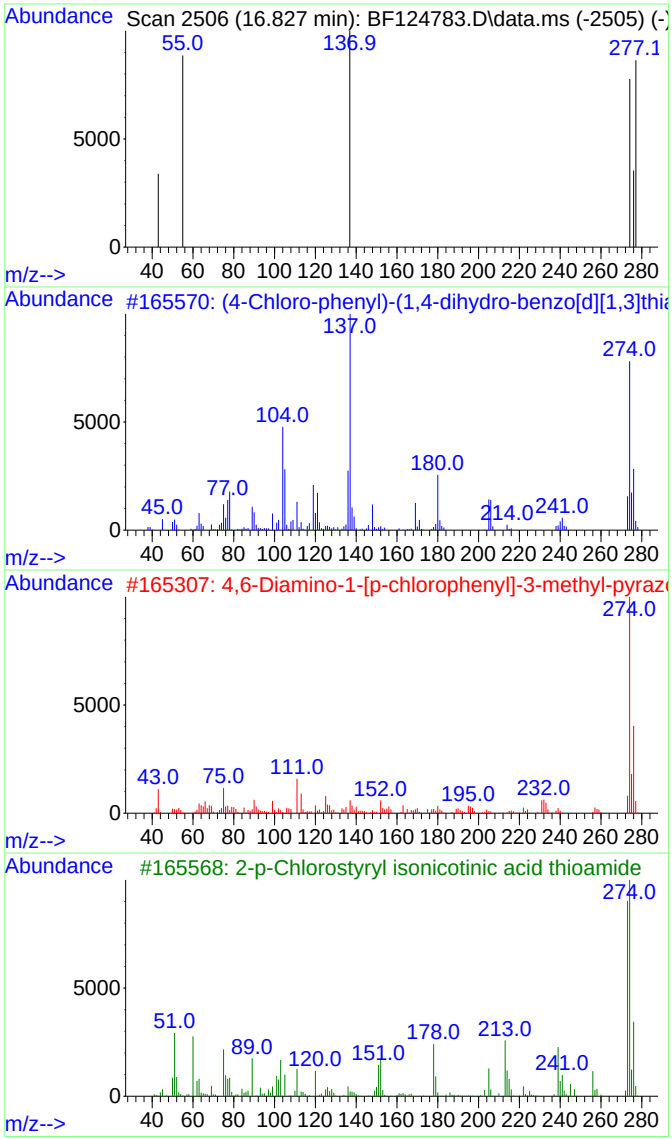
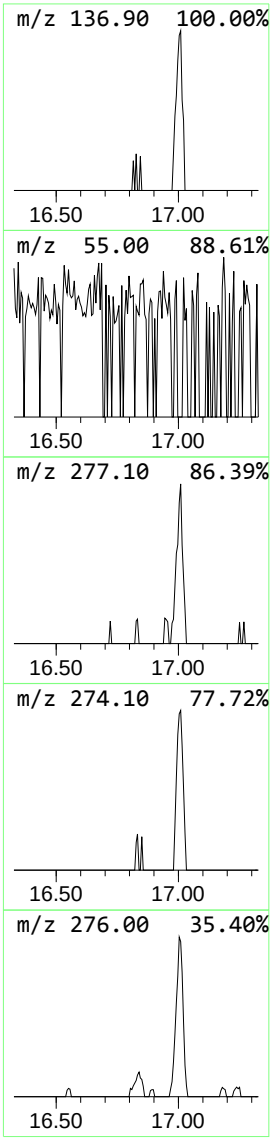
Peak Number 17 unknown16.827 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.827	3.91 ng	5274	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Chloro-phenyl)-(1,4-dihydro-b...	274	C14H11ClN2S	1010300-73-1	42
2	4,6-Diamino-1-[p-chlorophenyl]-3...	274	C12H11ClN6	058791-62-1	7
3	2-p-Chlorostyryl isonicotinic ac...	274	C14H11ClN2S	1000251-21-0	5
4	Pyrazolo[3,4-d]pyrimidine, 4,6-d...	274	C12H11ClN6	058791-60-9	5
5	4,6-Diamino-3-[4-chlorophenyl]-1...	274	C12H11ClN6	058791-68-7	5





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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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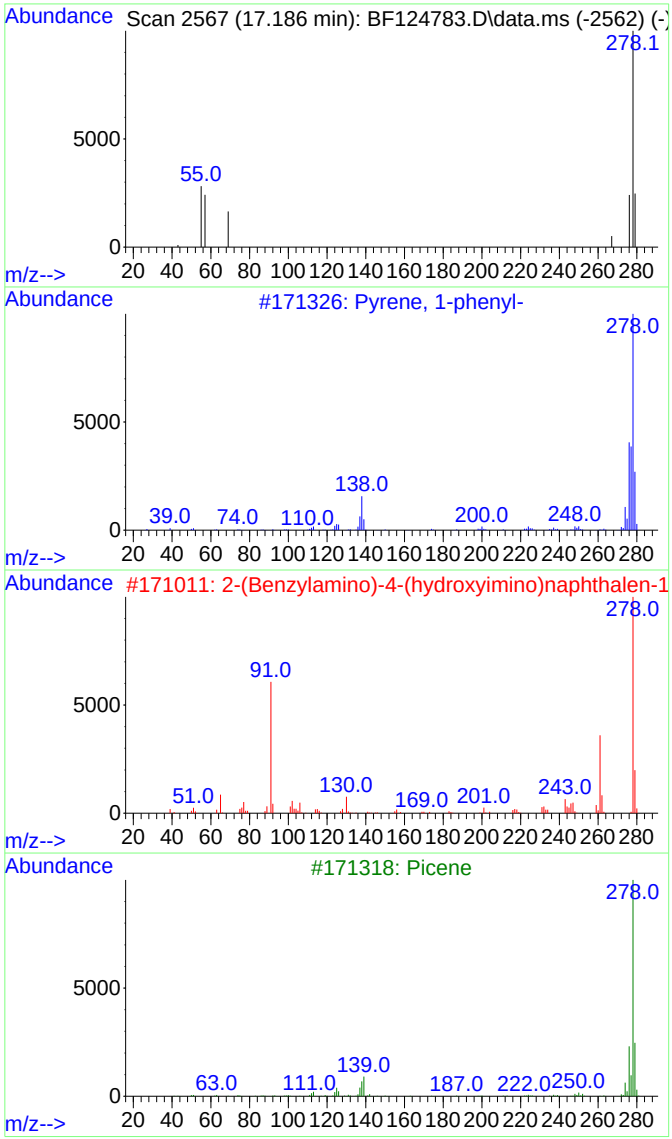
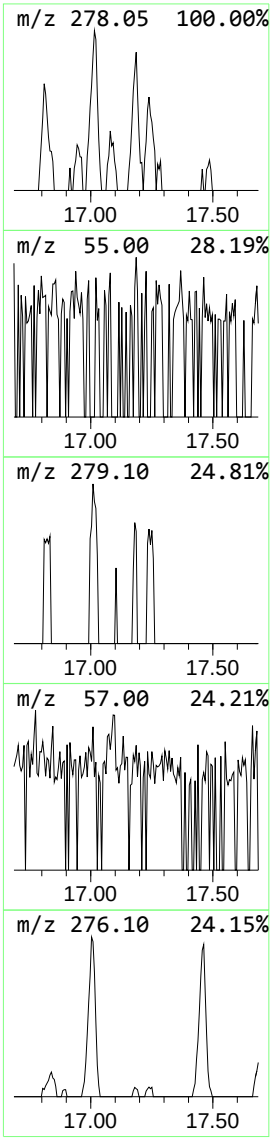
Peak Number 18 unknown17.186 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	4.92 ng	6630	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	5
2	2-(Benzylamino)-4-(hydroxyimino)...	278	C17H14N2O2	1010459-05-1	5
3	Picene	278	C22H14	000213-46-7	5
4	3-Amino-1-phenyl-7H,8H,9H,10H-im...	278	C16H14N4O	1000459-74-0	5
5	D-Arabino-Hexos-2-ulose, 3,6-anh...	278	C13H18N4O3	050611-48-8	5





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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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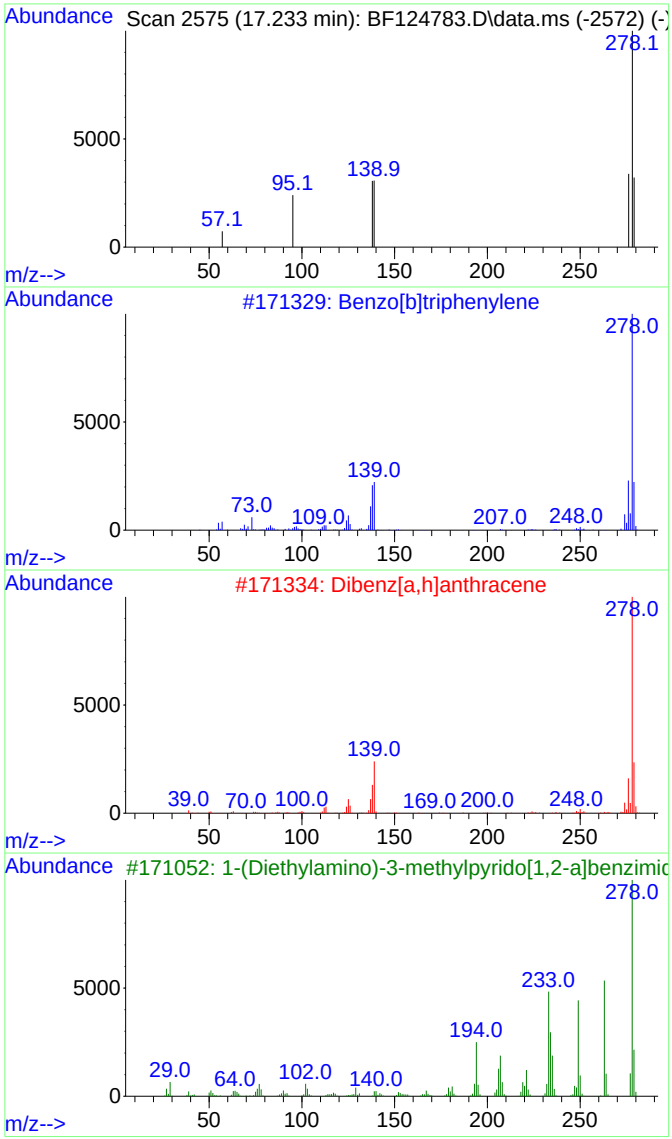
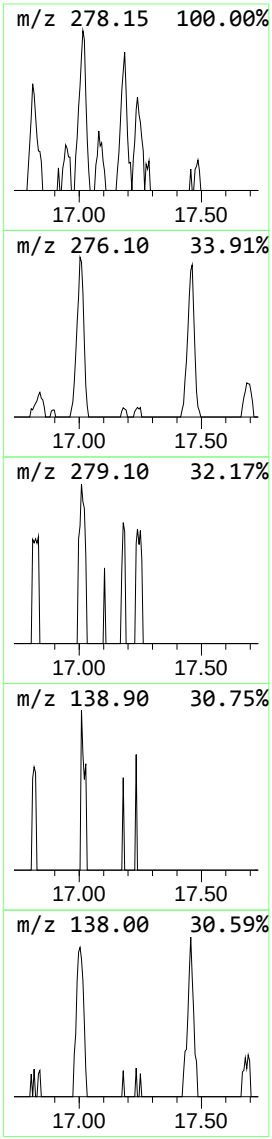
Peak Number 19 unknown17.233 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.233	2.63 ng	3541	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	72
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	56
3	1-(Diethylamino)-3-methylpyrido[...	278	C17H18N4	1000331-84-4	5
4	2-Naphthalenol, 1-[(4-methoxyphe...	278	C17H14N2O2	013411-91-1	5
5	Pentaphene	278	C22H14	000222-93-5	5





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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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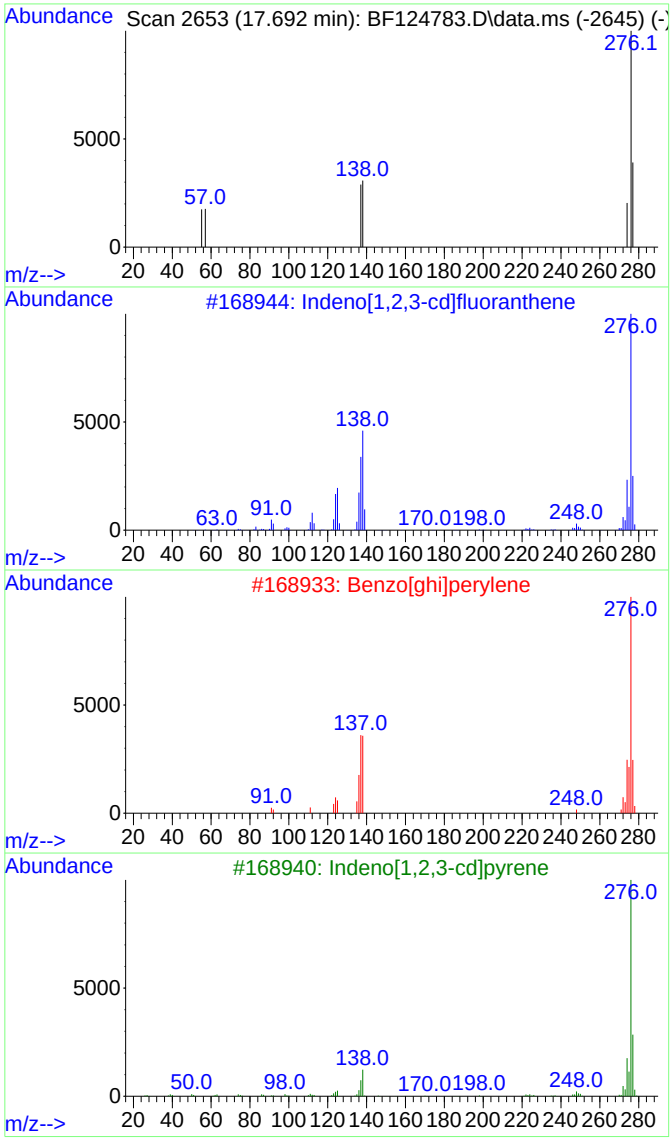
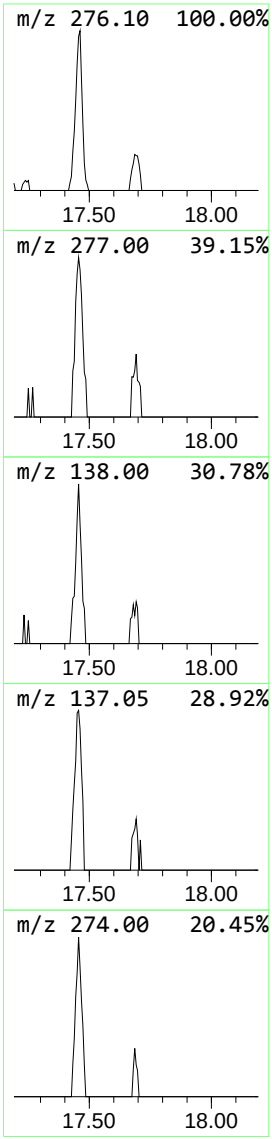
Peak Number 20 unknown17.692 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.692	7.00 ng	9436	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	40
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	9
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	5
4	Acethydrazide, N2-(4-iodophenyl)-	276	C8H9IN2O	014579-96-5	5
5	7-Methoxy-1-phenyl-4,5-dihydro-1...	276	C18H16N2O	1010332-52-4	5





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
Data File : BF124783.D
Acq On : 27 Jul 2021 1:26
Operator : JU/CG
Sample : M3176-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18-B7-TP-(9.5-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.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
1,1'-Biphenyl, ...	11.292	3.7	ng	6016	4	11.398	32791	20.0
Phenanthrene, 1...	11.898	6.4	ng	10451	4	11.398	32791	20.0
Phenanthrene, 2...	11.927	9.6	ng	15680	4	11.398	32791	20.0
Phenanthrene, 3...	11.974	3.1	ng	5140	4	11.398	32791	20.0
4H-Cyclopenta[d...	12.015	20.6	ng	33721	4	11.398	32791	20.0
Naphtho[2,3-b]n...	12.033	3.6	ng	5977	4	11.398	32791	20.0
5,16[1',2']:8,1...	12.198	5.5	ng	9016	4	11.398	32791	20.0
9,10-Anthracene...	12.221	4.6	ng	7583	4	11.398	32791	20.0
Phenanthrene, 3...	12.451	3.3	ng	5467	4	11.398	32791	20.0
Cyclopenta(def)...	12.539	3.4	ng	5518	4	11.398	32791	20.0
11H-Benzo[b]flu...	13.168	2.8	ng	27168	5	14.045	196061	20.0
5-Methyl-2-(N-e...	14.927	5.8	ng	7844	6	15.521	26971	20.0
Benzo[e]pyrene	15.198	11.9	ng	16084	6	15.521	26971	20.0
Benzo[j]fluoran...	15.398	42.2	ng	56924	6	15.521	26971	20.0
unknown16.086	16.086	3.7	ng	4992	6	15.521	26971	20.0
Benzo[b]triphen...	16.815	3.9	ng	5236	6	15.521	26971	20.0
unknown16.827	16.827	3.9	ng	5274	6	15.521	26971	20.0
unknown17.186	17.186	4.9	ng	6630	6	15.521	26971	20.0
unknown17.233	17.233	2.6	ng	3541	6	15.521	26971	20.0
unknown17.692	17.692	7.0	ng	9436	6	15.521	26971	20.0