LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108294.D
Acq On : 20 Aug 2018 17:10
Operator : JU/SJ
Sample : J4521-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.378	3	7	26	rVB	336864	519458	5.48%	0.430%
2	5.642	557	562	566	rBV	3168735	3050823	32.19%	2.527%
3	6.636	725	731	734	rBV	3347137	3250312	34.30%	2.693%
4	6.783	752	756	760	rBV	3503458	3235993	34.14%	2.681%
5	7.013	791	795	799	rBV	1384430	1158852	12.23%	0.960%
6	7.171	818	822	825	rBV	2910131	2451126	25.86%	2.030%
7	7.577	886	891	898	rVB	2293497	2143077	22.61%	1.775%
8	8.301	1009	1014	1017	rBV	1521401	1445471	15.25%	1.197%
9	9.371	1191	1196	1199	rBV	4295637	3515683	37.10%	2.912%
10	9.760	1260	1262	1270	rVV	256404	233312	2.46%	0.193%
11	10.060	1310	1313	1316	rBV	1734063	1428848	15.08%	1.184%
12	10.089	1316	1318	1321	rVB	369815	308566	3.26%	0.256%
13	10.259	1343	1347	1350	rBV2	173242	189069	1.99%	0.157%
14	10.607	1403	1406	1411	rVV	388797	390028	4.12%	0.323%
15	10.765	1427	1433	1437	rVB3	188583	272109	2.87%	0.225%
16	10.854	1444	1448	1452	rBV	2123408	1973703	20.83%	1.635%
17	11.159	1494	1500	1502	rBV2	245098	297967	3.14%	0.247%
18	11.189	1502	1505	1508	rVV2	161607	188444	1.99%	0.156%
19	11.283	1517	1521	1523	rBV3	155029	209283	2.21%	0.173%
20	11.306	1523	1525	1530	rVV2	164290	197188	2.08%	0.163%
21	11.395	1537	1540	1544	rVV2	196610	229560	2.42%	0.190%
22	11.454	1547	1550	1556	rVB	280157	259297	2.74%	0.215%
23	11.559	1564	1568	1570	rBV	1408930	1458198	15.39%	1.208%
24	11.583	1570	1572	1576	rVV	3779407	3544576	37.40%	2.936%
25	11.636	1577	1581	1584	rVV	1739167	1514042	15.98%	1.254%
26	11.783	1603	1606	1611	rVV3	147940	257698	2.72%	0.213%
27	11.848	1615	1617	1620	rVV	256624	201431	2.13%	0.167%
28	11.889	1620	1624	1628	rVB2	243488	257079	2.71%	0.213%
29	12.059	1650	1653	1655	rBV	956561	801469	8.46%	0.664%
30	12.089	1655	1658	1661	rVB	1269880	1075658	11.35%	0.891%
31	12.136	1661	1666	1669	rBV	654652	575355	6.07%	0.477%
32	12.177	1669	1673	1675	rBV2	1767270	1966990	20.75%	1.629%
33	12.353	1700	1703	1706	rVV	761135	665277	7.02%	0.551%
34	12.383	1706	1708	1714	rVB	377651	345783	3.65%	0.286%

LSC Area Percent Report

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Sample : J4521-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.506	1726	1729	1731	rVB	229919	190364	2.01%	0.158%
36	12.612	1743	1747	1750	rBV	673785	806324	8.51%	0.668%
37	12.653	1750	1754	1759	rVB2	444616	713245	7.53%	0.591%
38	12.706	1759	1763	1767	rBV3	503353	679035	7.16%	0.563%
39	12.795	1771	1778	1780	rBV	6464859	8258049	87.14%	6.841%
40	12.842	1784	1786	1789	rVB	253834	190273	2.01%	0.158%
41	12.936	1799	1802	1805	rVV	331562	305801	3.23%	0.253%
42	13.024	1809	1817	1820	rBV2	6410709	9477271	100.00%	7.851%
43	13.059	1820	1823	1827	rVB2	530510	535002	5.65%	0.443%
44	13.142	1827	1837	1840	rBV2	2734494	3270486	34.51%	2.709%
45	13.171	1840	1842	1845	rVB	369091	323408	3.41%	0.268%
46	13.230	1846	1852	1855	rBV3	685582	1174469	12.39%	0.973%
47	13.312	1863	1866	1867	rBV3	479309	484344	5.11%	0.401%
48	13.342	1868	1871	1874	rVB	1677336	1542316	16.27%	1.278%
49	13.406	1878	1882	1884	rBV	1495851	1243250	13.12%	1.030%
50	13.448	1884	1889	1891	rVV2	995590	1143244	12.06%	0.947%
51	13.471	1891	1893	1895	rVB	259441	206593	2.18%	0.171%
52	13.500	1895	1898	1901	rVB2	208922	196780	2.08%	0.163%
53	13.542	1901	1905	1907	rBV	666958	601616	6.35%	0.498%
54	13.571	1907	1910	1912	rVB	673522	538314	5.68%	0.446%
55	13.648	1921	1923	1927	rVB2	181856	175725	1.85%	0.146%
56	13.742	1936	1939	1940	rVV	239071	273807	2.89%	0.227%
57	13.759	1940	1942	1945	rVV	253165	269126	2.84%	0.223%
58	13.818	1949	1952	1955	rVV	286334	394673	4.16%	0.327%
59	13.848	1955	1957	1962	rVV	544523	663513	7.00%	0.550%
60	13.965	1971	1977	1979	rVV3	801313	1031616	10.89%	0.855%
61	13.989	1979	1981	1984	rVV	943043	933472	9.85%	0.773%
62	14.018	1984	1986	1990	rVV2	908005	1142661	12.06%	0.947%
63	14.059	1990	1993	1997	rVV	581240	730693	7.71%	0.605%
64	14.130	2000	2005	2011	rVV	256977	477926	5.04%	0.396%
65	14.212	2012	2019	2022	rVV3	4707840	6798848	71.74%	5.632%
66	14.247	2022	2025	2031	rVV	3907028	4519523	47.69%	3.744%
67	14.300	2031	2034	2036	rVV2	243460	258738	2.73%	0.214%
68	14.324	2036	2038	2042	rVV	1056793	1195003	12.61%	0.990%
69	14.365	2042	2045	2048	rVV3	490677	721328	7.61%	0.598%
70	14.406	2050	2052	2054	rVV	427254	376938	3.98%	0.312%
71	14.436	2054	2057	2061	rVV2	523211	820077	8.65%	0.679%

LSC Area Percent Report

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Sample : J4521-10
Misc :
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Instrument : BNA_F
ClientSampleId : 72-11975

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.471	2061	2063	2069	rVV3	296652	397440	4.19%	0.329%
73	14.536	2071	2074	2076	rVV2	212376	281578	2.97%	0.233%
74	14.565	2076	2079	2081	rVV2	418288	476354	5.03%	0.395%
75	14.600	2081	2085	2088	rVV	1032600	1366635	14.42%	1.132%
76	14.636	2088	2091	2096	rVV2	603343	841910	8.88%	0.697%
77	14.689	2096	2100	2101	rVV2	328172	468218	4.94%	0.388%
78	14.706	2101	2103	2106	rVV2	603514	684329	7.22%	0.567%
79	14.736	2106	2108	2110	rVV	671975	666860	7.04%	0.552%
80	14.759	2110	2112	2116	rVV2	746001	717124	7.57%	0.594%
81	14.806	2116	2120	2127	rVB3	364130	596183	6.29%	0.494%
82	14.936	2139	2142	2144	rBV2	218661	240550	2.54%	0.199%
83	15.018	2153	2156	2160	rBV3	106780	192328	2.03%	0.159%
84	15.136	2172	2176	2184	rVB	292265	429091	4.53%	0.355%
85	15.200	2184	2187	2193	rBV4	129945	199677	2.11%	0.165%
86	15.324	2201	2208	2211	rBV	2662766	5223807	55.12%	4.327%
87	15.389	2216	2219	2223	rVB2	133263	207375	2.19%	0.172%
88	15.436	2223	2227	2230	rBV	739786	814227	8.59%	0.674%
89	15.524	2239	2242	2244	rBV2	206399	264623	2.79%	0.219%
90	15.653	2259	2264	2270	rVB	1609276	2589587	27.32%	2.145%
91	15.730	2270	2277	2281	rBV	2803721	3886189	41.01%	3.219%
92	15.789	2281	2287	2290	rVV	633234	1109814	11.71%	0.919%
93	15.824	2290	2293	2299	rVB2	867629	1222153	12.90%	1.012%
94	16.177	2350	2353	2360	rVB4	126239	197659	2.09%	0.164%
95	16.400	2387	2391	2397	rVB	214638	314481	3.32%	0.261%
96	17.418	2556	2564	2573	rVB2	924570	2018568	21.30%	1.672%
97	17.606	2591	2596	2602	rVB	195598	359651	3.79%	0.298%
98	17.671	2602	2607	2612	rBV2	157594	341309	3.60%	0.283%
99	17.918	2641	2649	2665	rVB	648131	1658262	17.50%	1.374%
100	18.171	2686	2692	2709	rVB2	238164	674113	7.11%	0.558%

Sum of corrected areas: 120715671

LSC Report - Integrated Chromatogram

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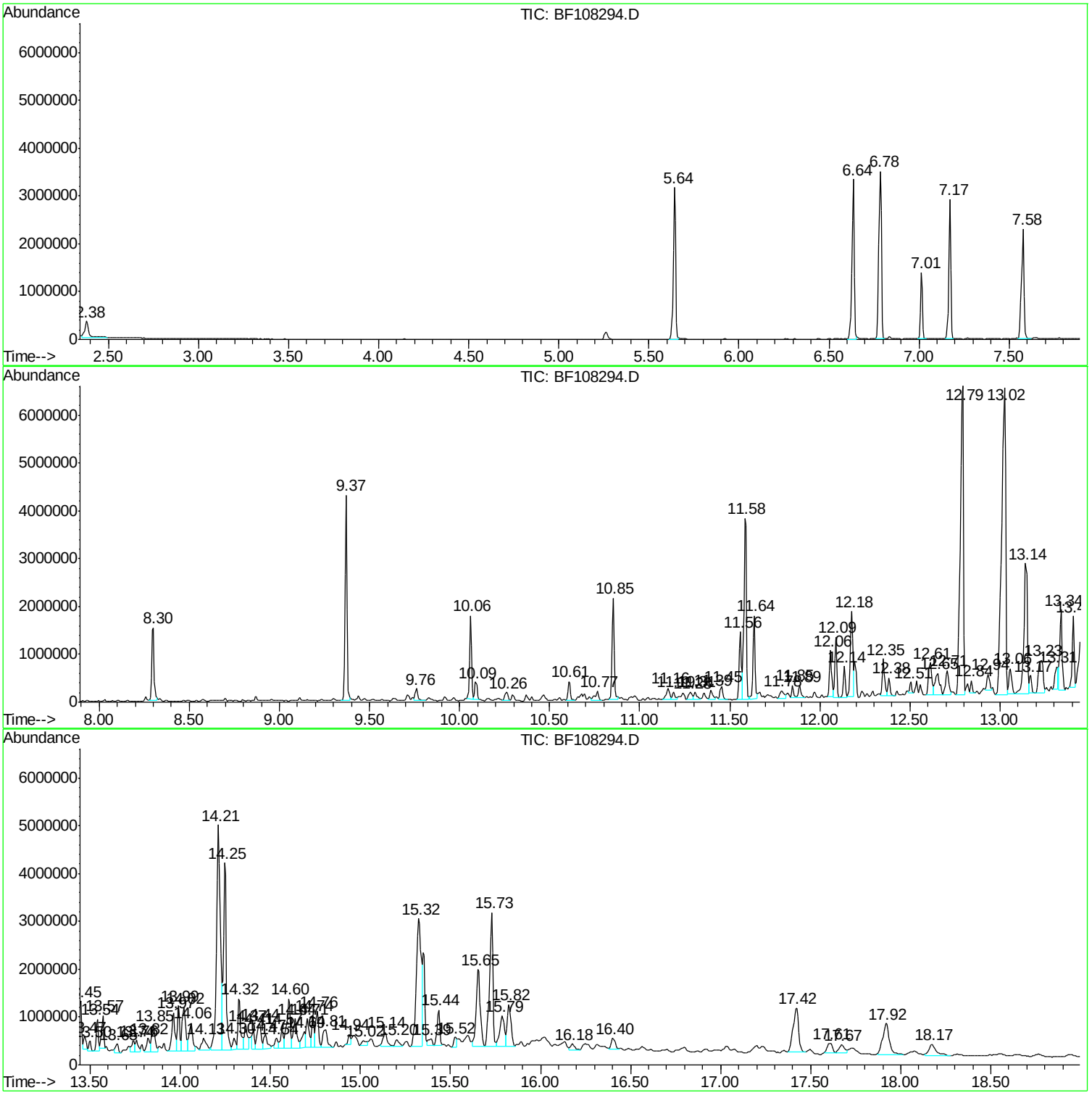
Data File : BF108294.D
Acq On : 20 Aug 2018 17:10
Operator : JU/SJ
Sample : J4521-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

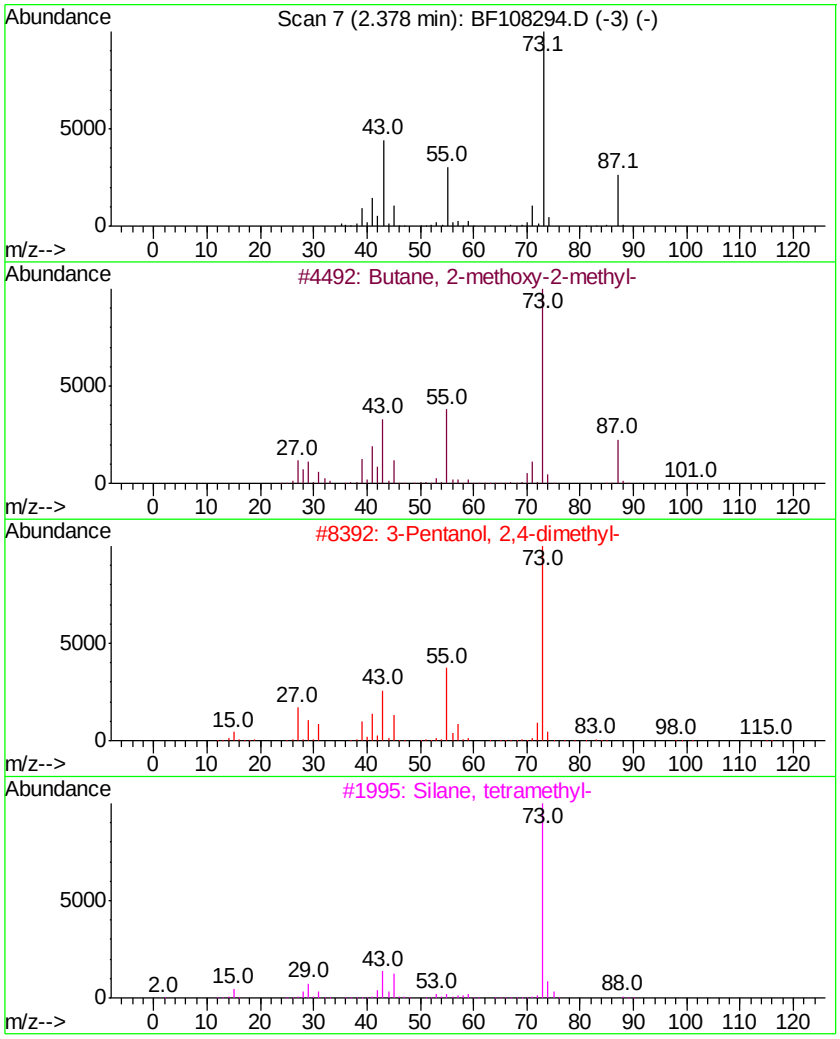
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

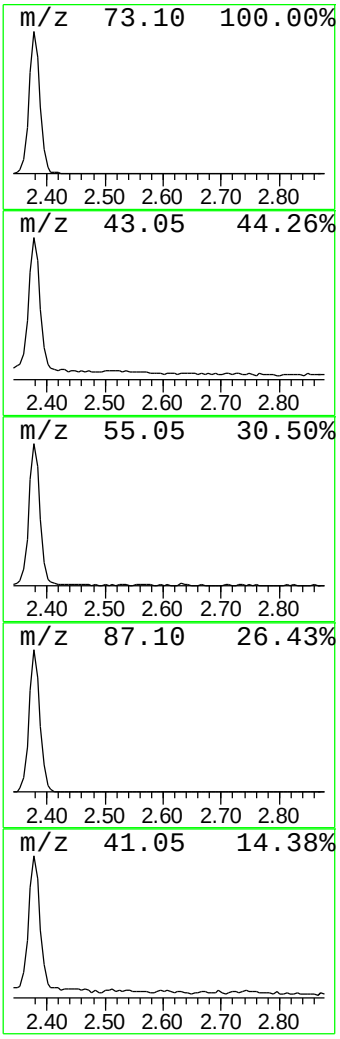
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.38	8.97 ng	519458	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	32
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

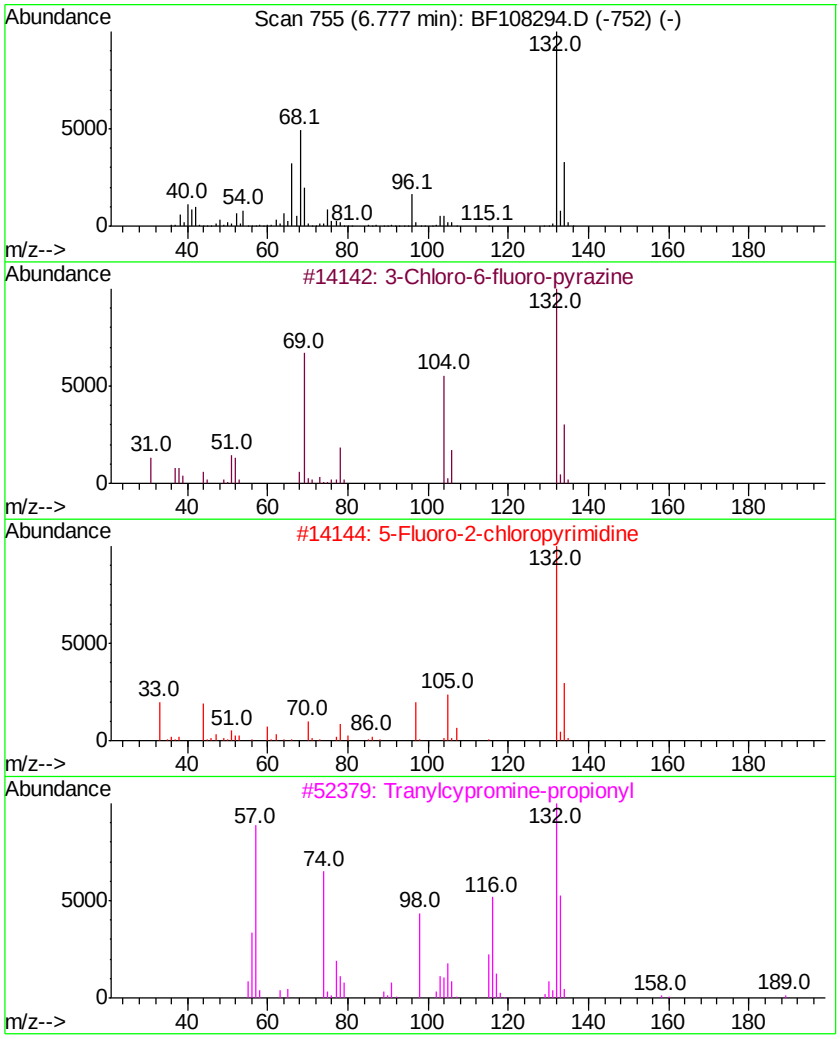
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

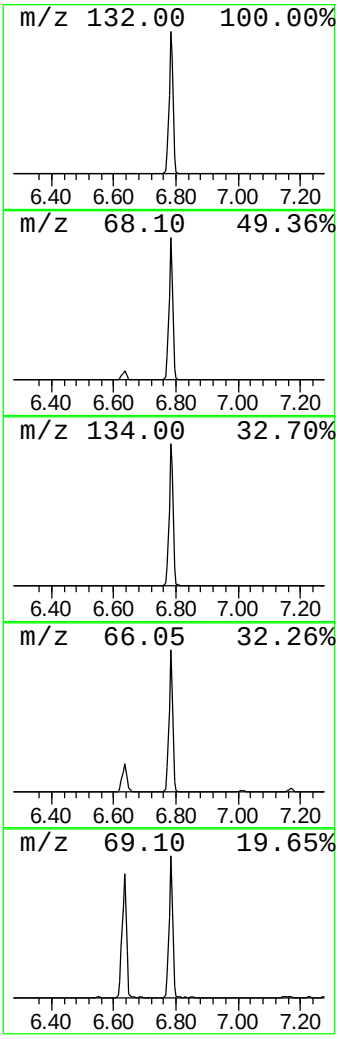
****

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	55.85 ng	3235990	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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TIC Library : C:\DATABASE\NIST11.L
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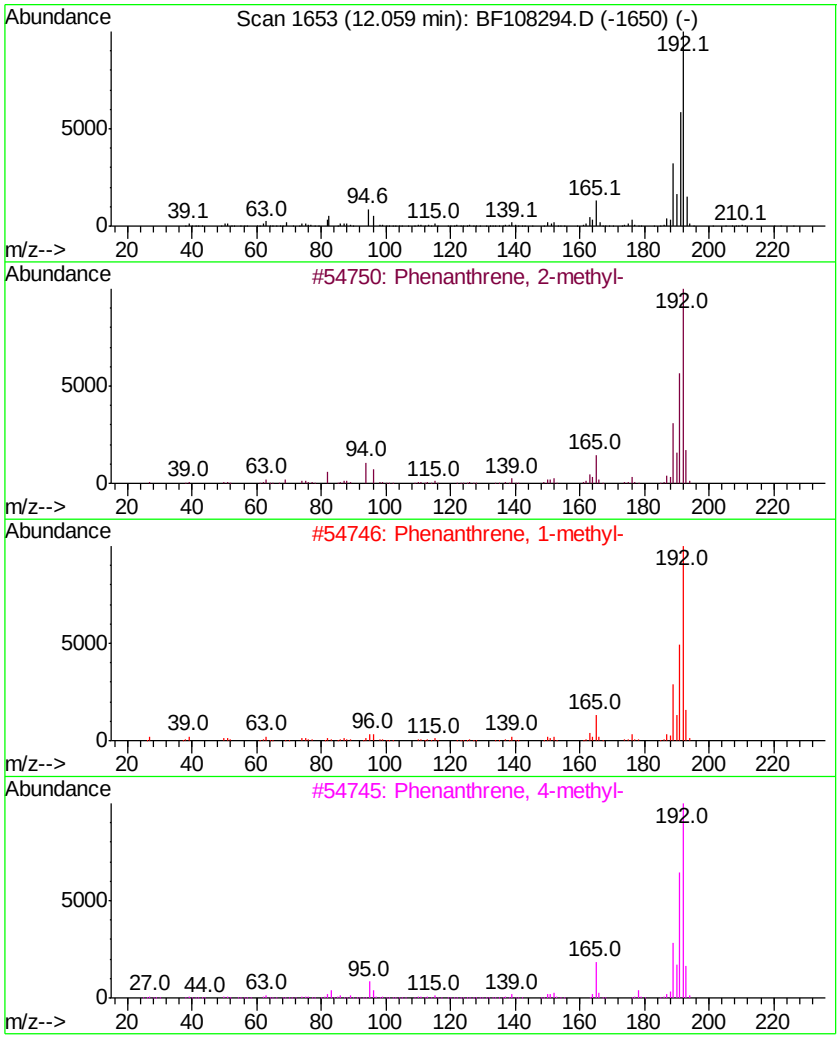
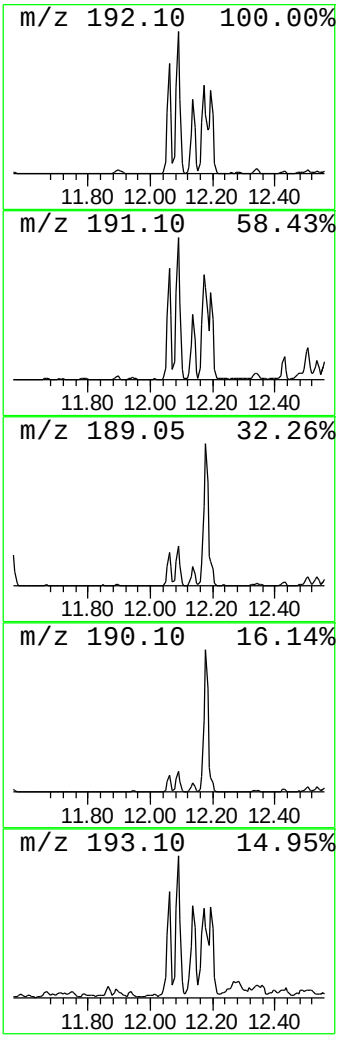
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	10.99 ng	801469	Phenanthrene-d10	11.56

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

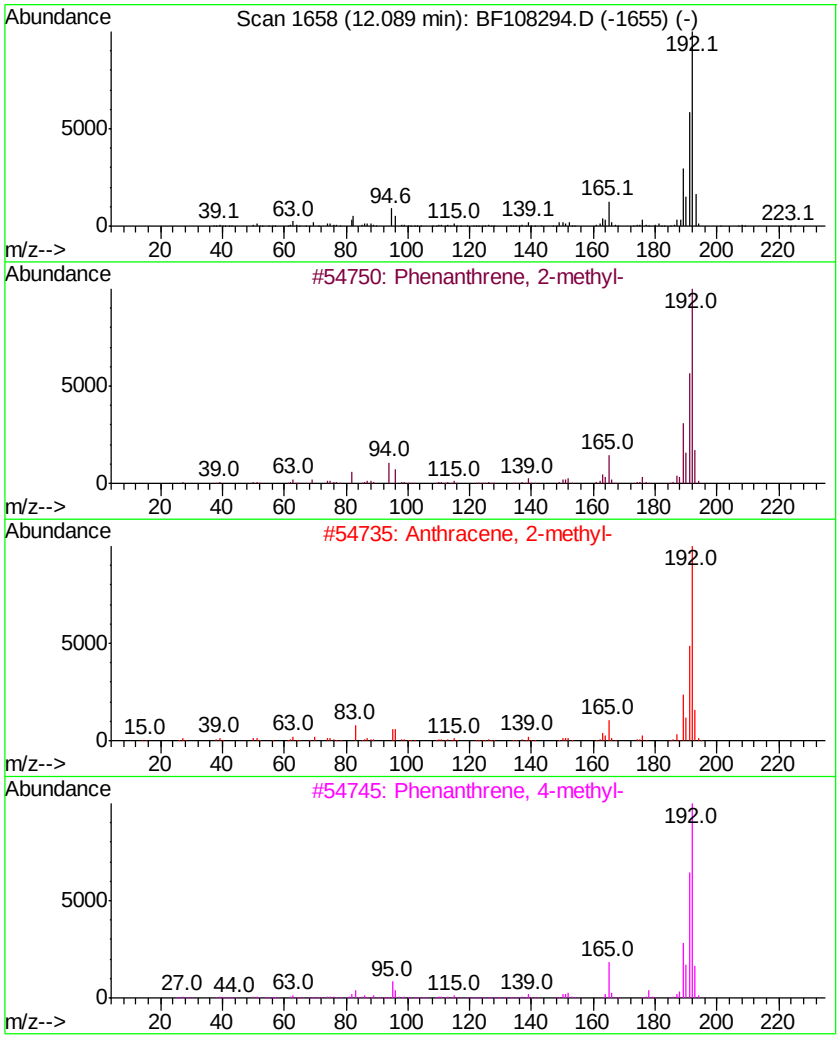
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

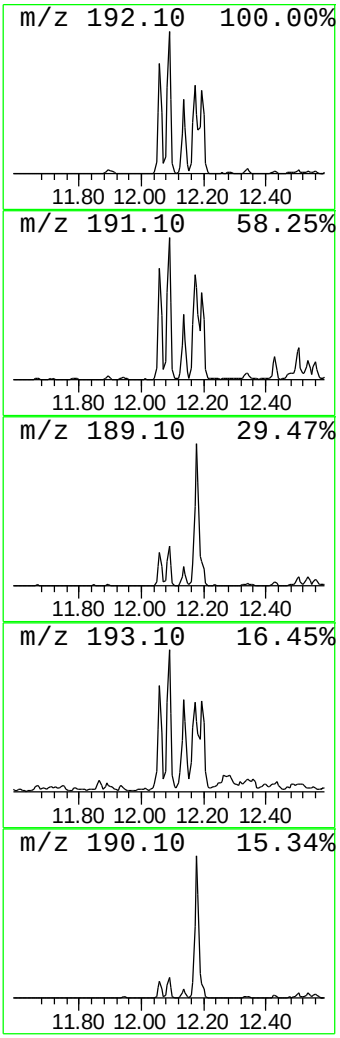
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	14.75 ng	1075660	Phenanthrene-d10	11.56

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, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108294.D
Acq On : 20 Aug 2018 17:10
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

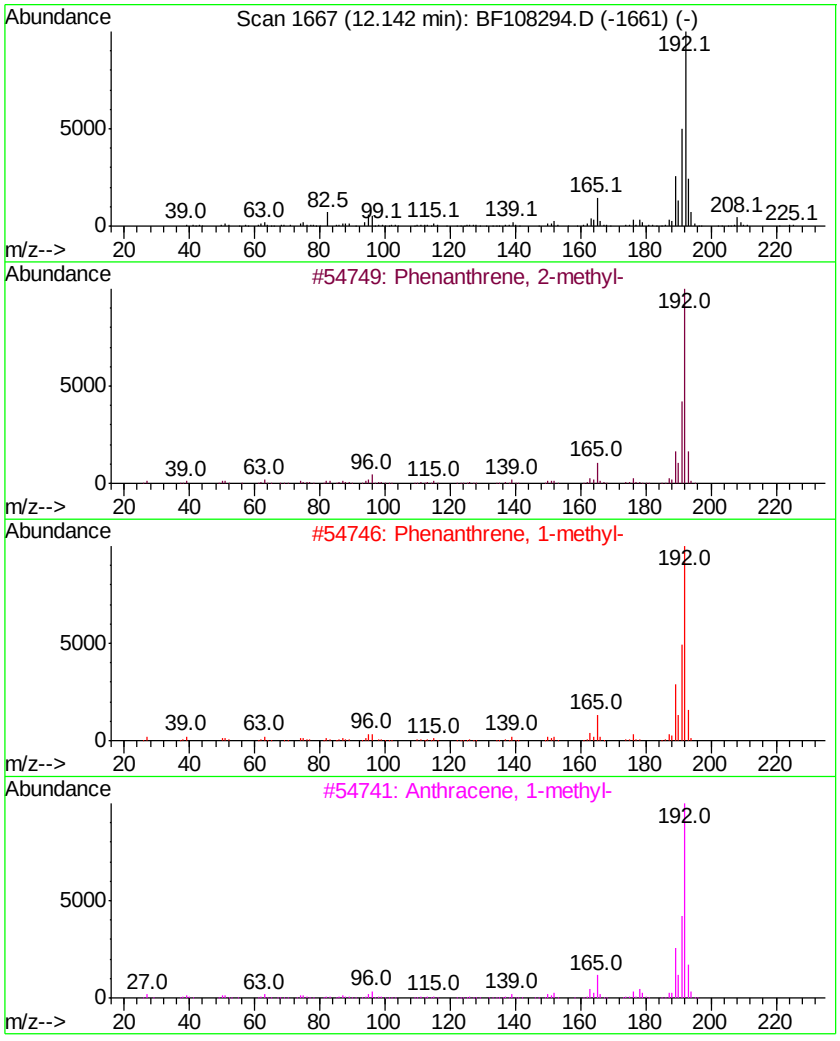
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

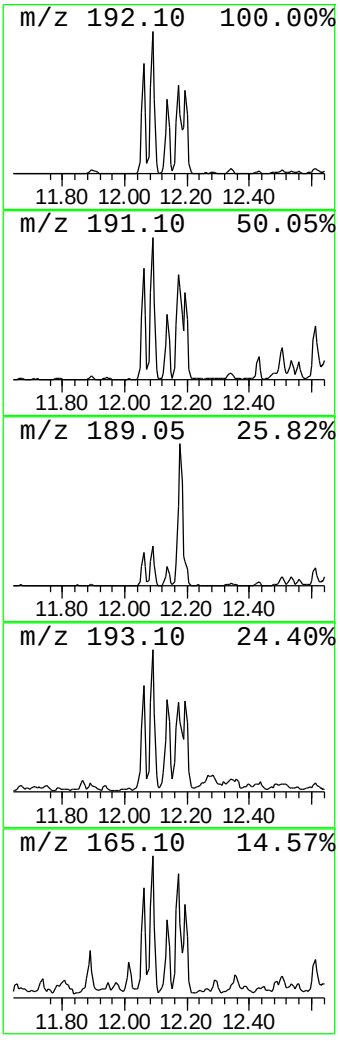
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.89 ng	575355	Phenanthrene-d10	11.56

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 : J4521-10
Misc :
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Instrument : BNA_F
ClientSampleId : 72-11975

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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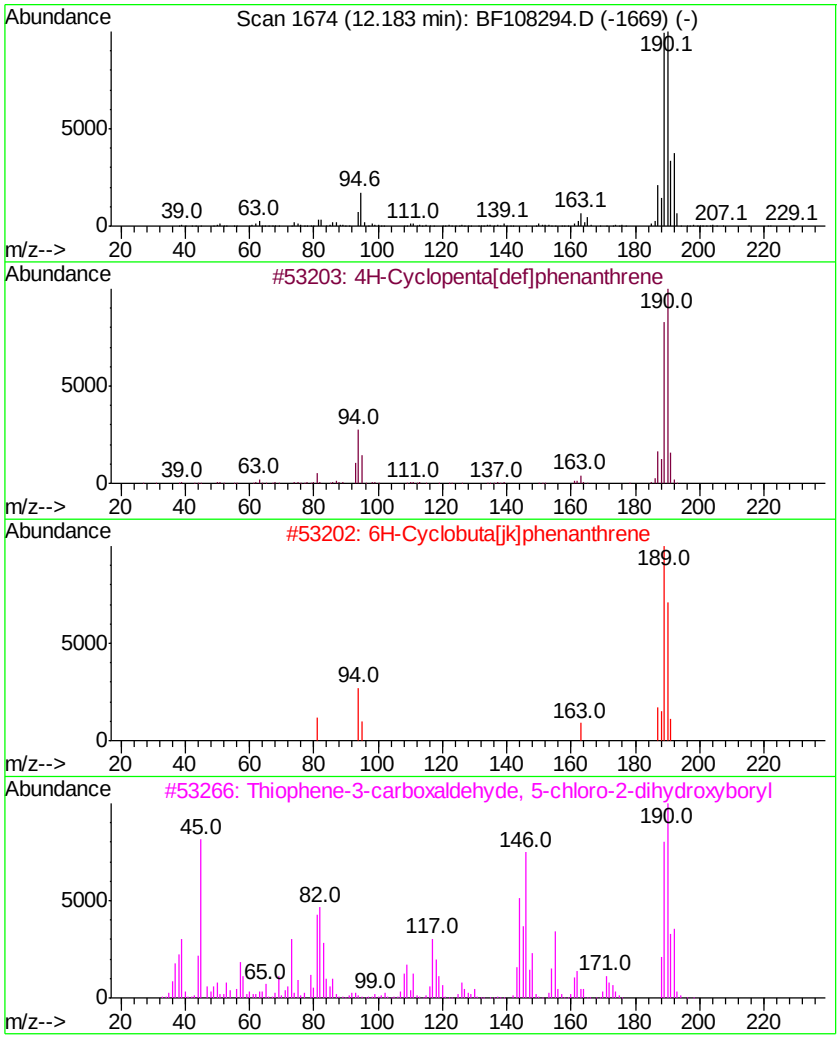
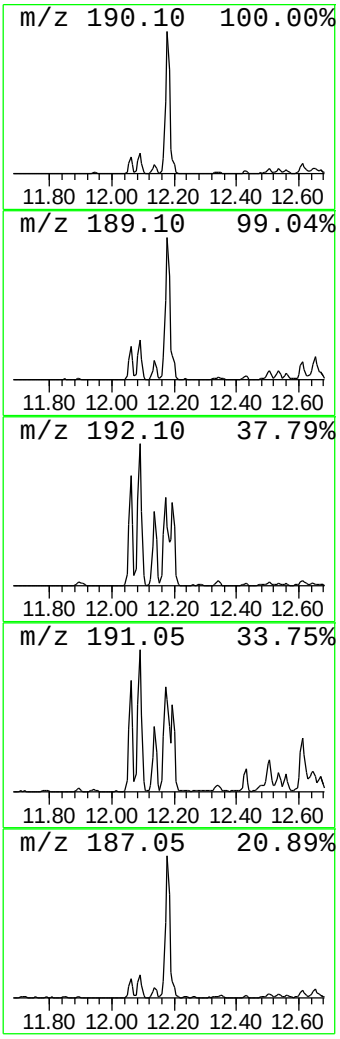
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	26.98 ng	1966990	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





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Instrument : BNA_F
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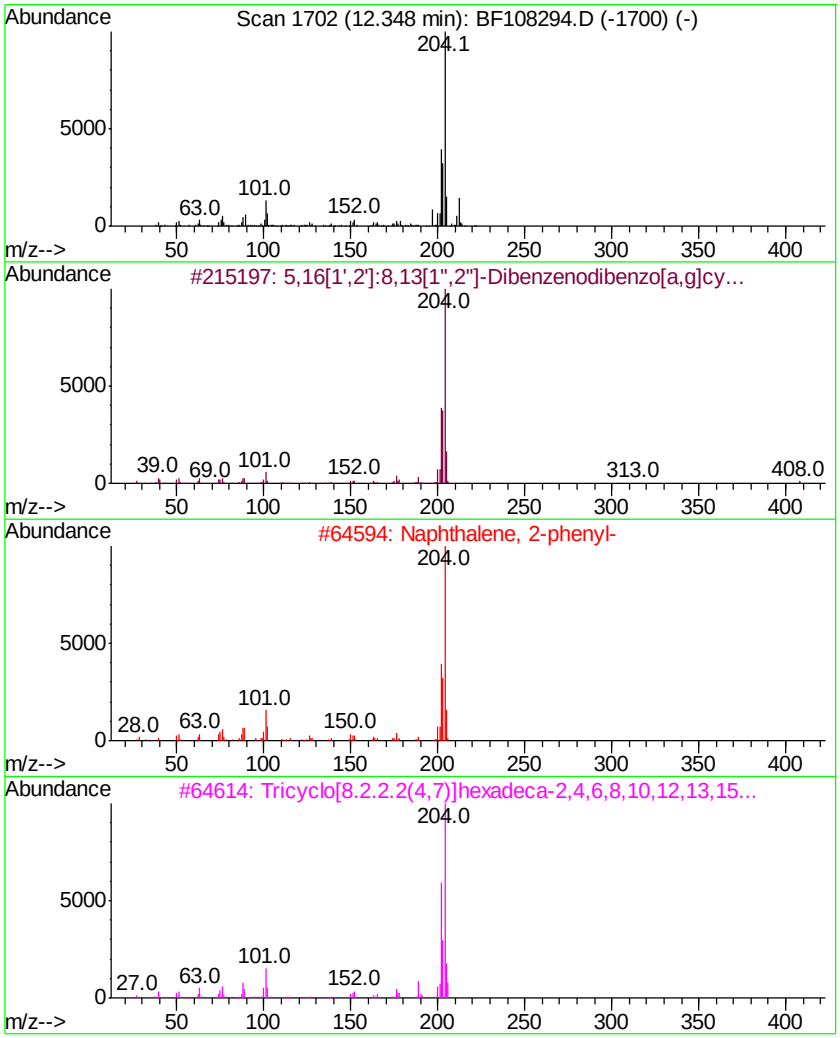
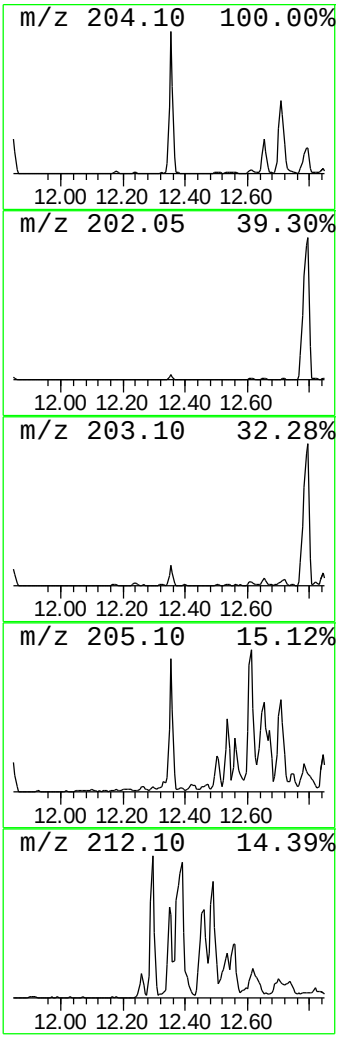
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	9.12 ng	665277	Phenanthrene-d10	11.56

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	Levamisole	204	C11H12N2S	014769-73-4	49
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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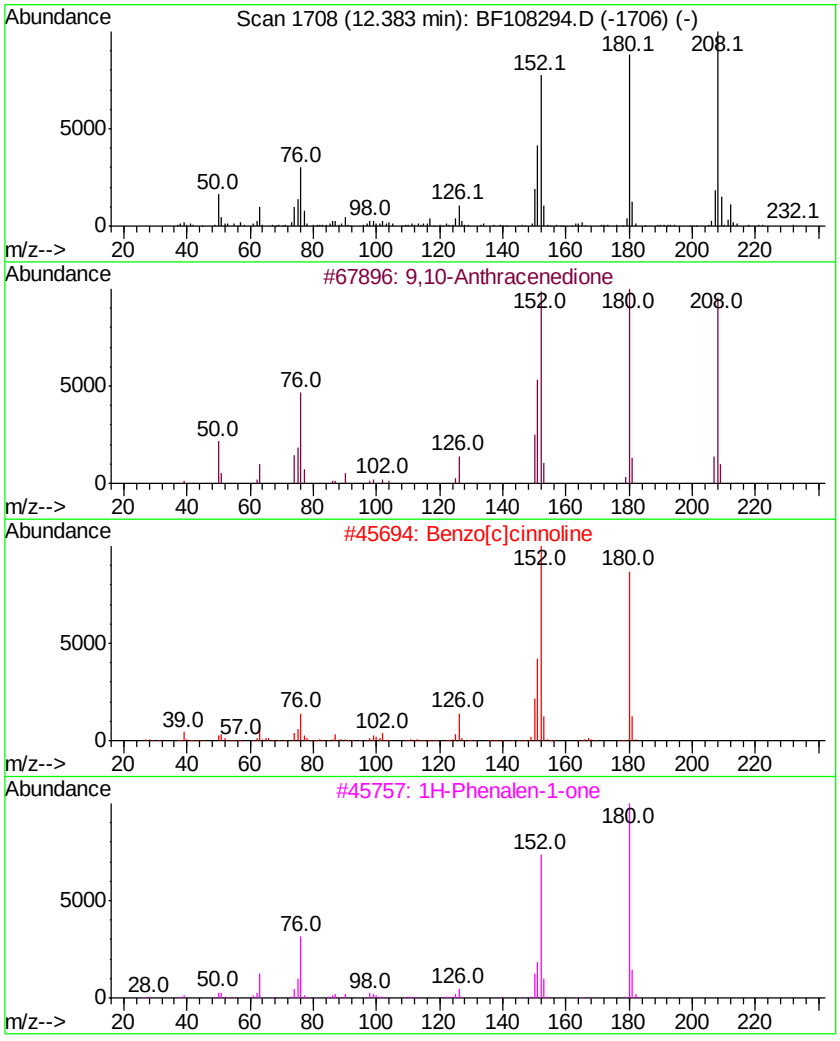
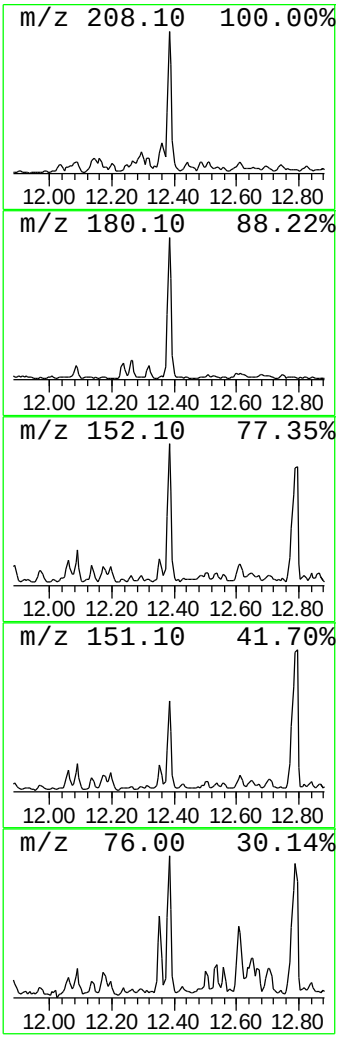
Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.74 ng	345783	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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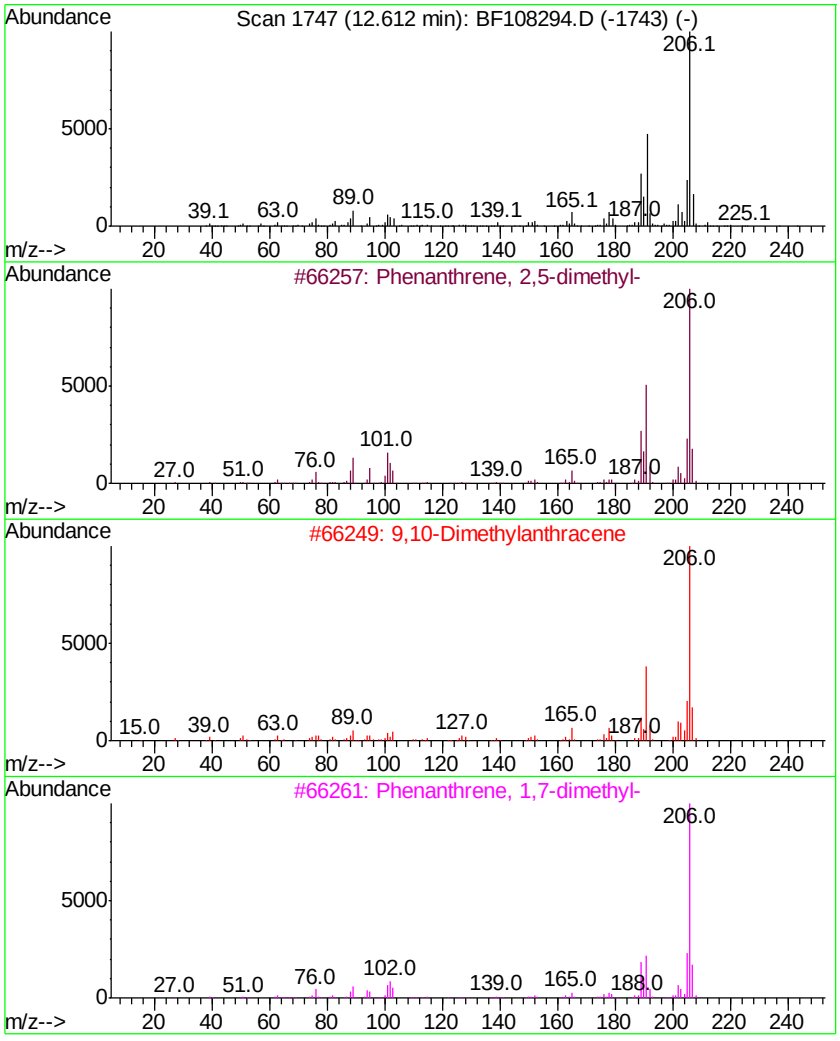
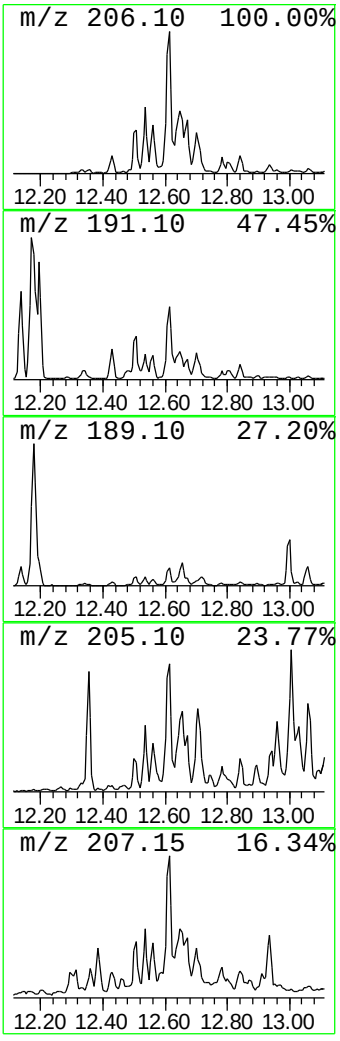
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	11.06 ng	806324	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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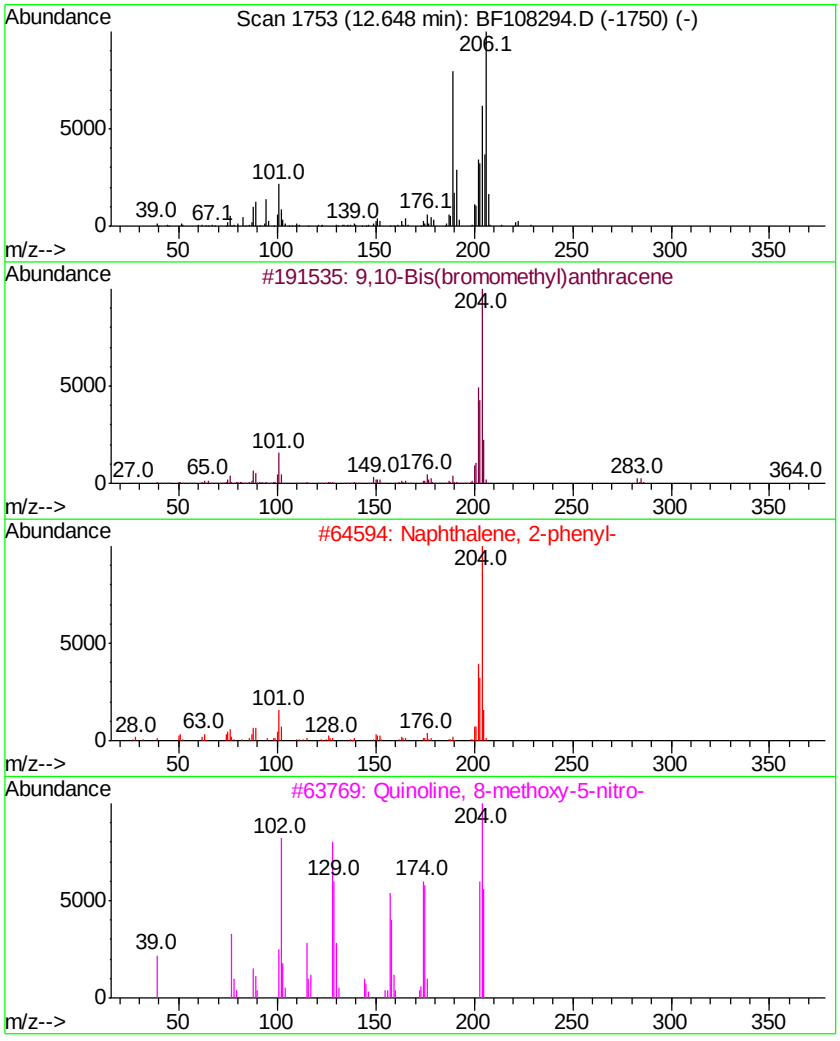
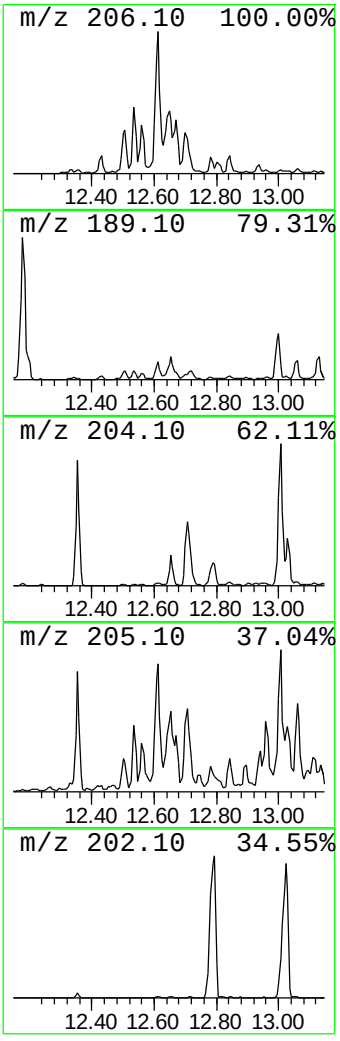
Peak Number 11 unknown12.65 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	9.78 ng	713245	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30





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ClientSampleId : 72-11975

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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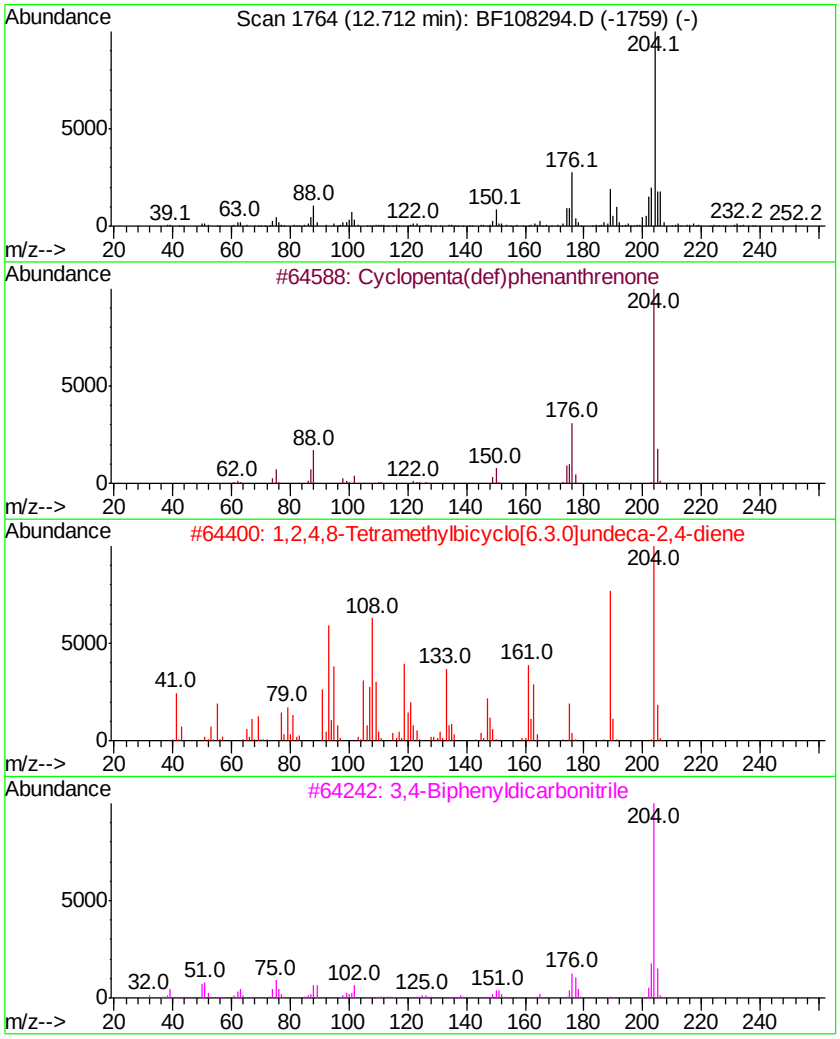
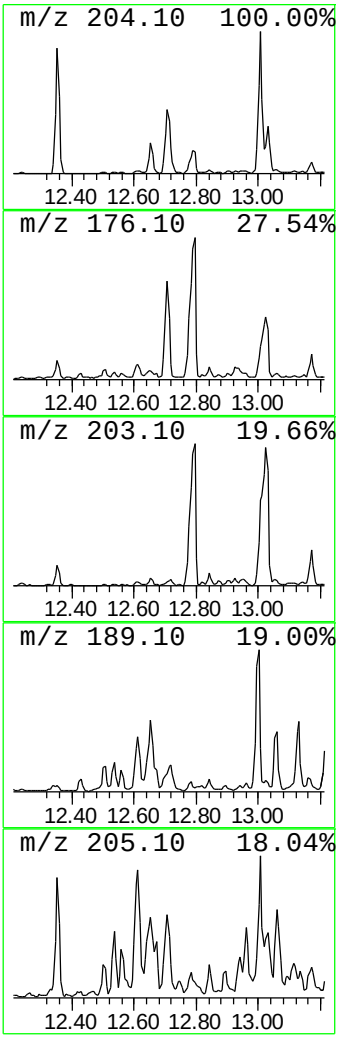
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	9.31 ng	679035	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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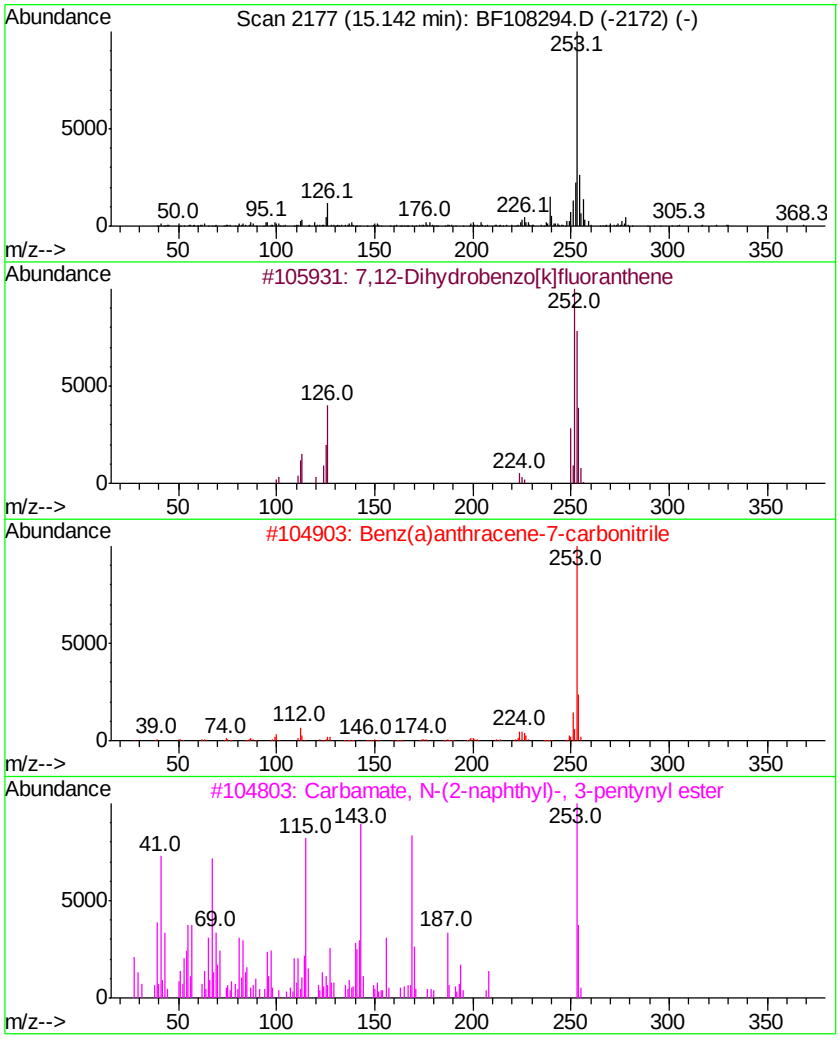
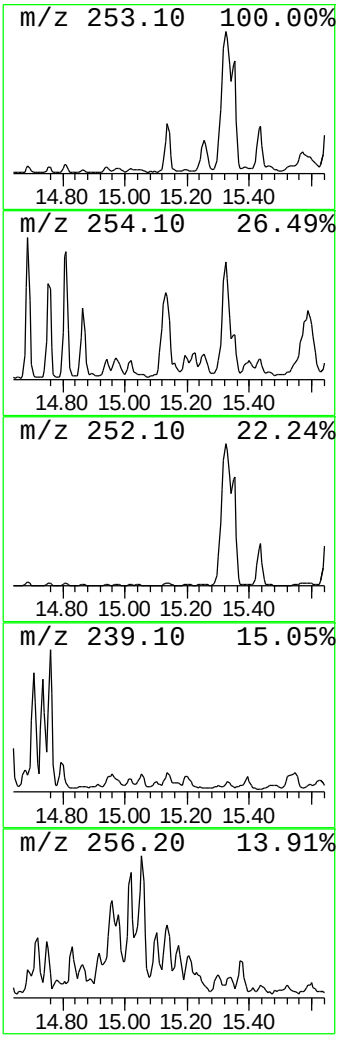
Peak Number 13 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	7.73 ng	429091	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	70
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	38
5	2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11NO2S2	002832-88-4	38





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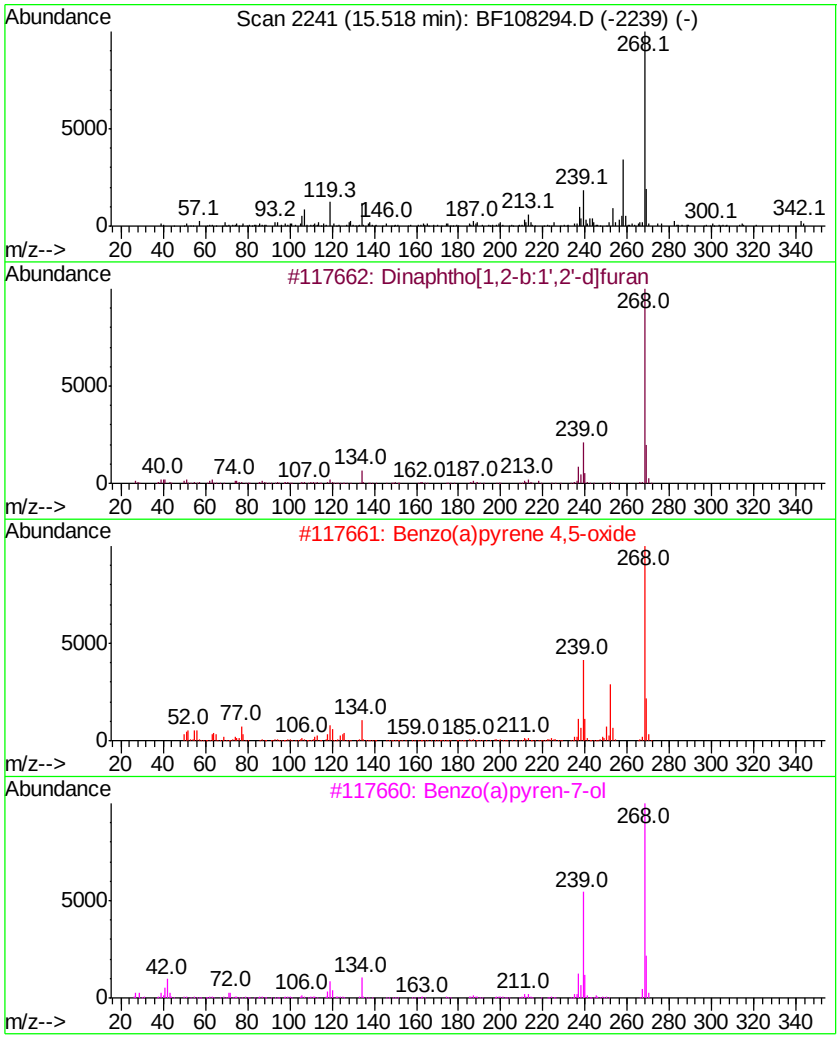
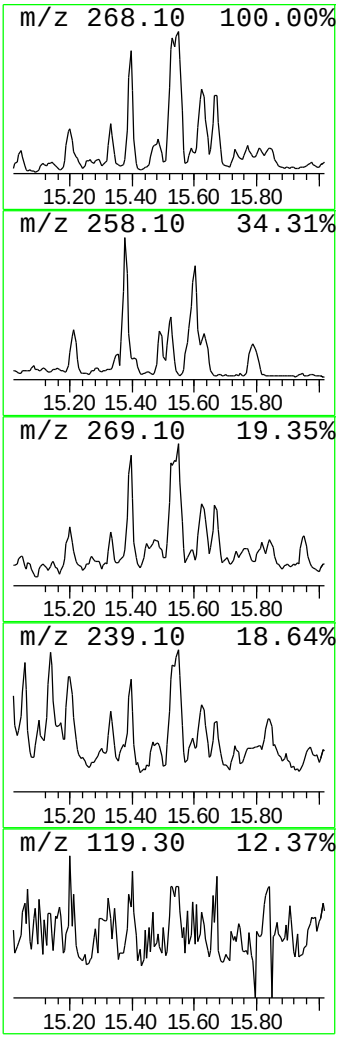
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	4.77 ng	264623	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	52
4	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	50
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	50





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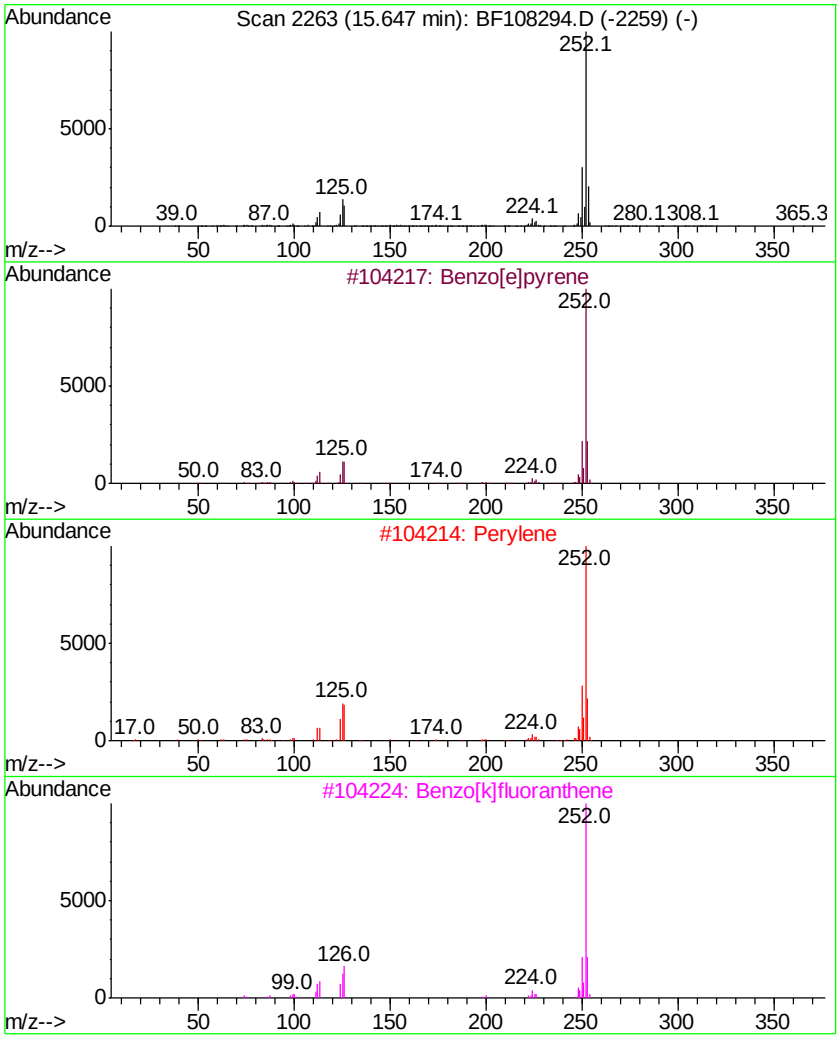
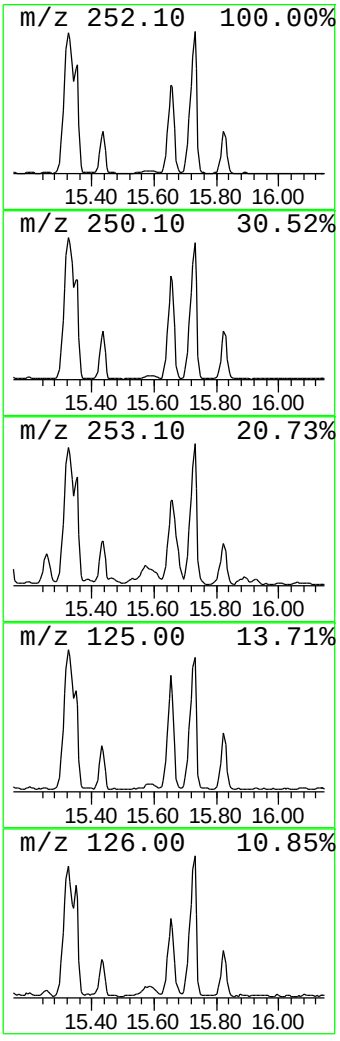
Peak Number 16 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	46.67 ng	2589590	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





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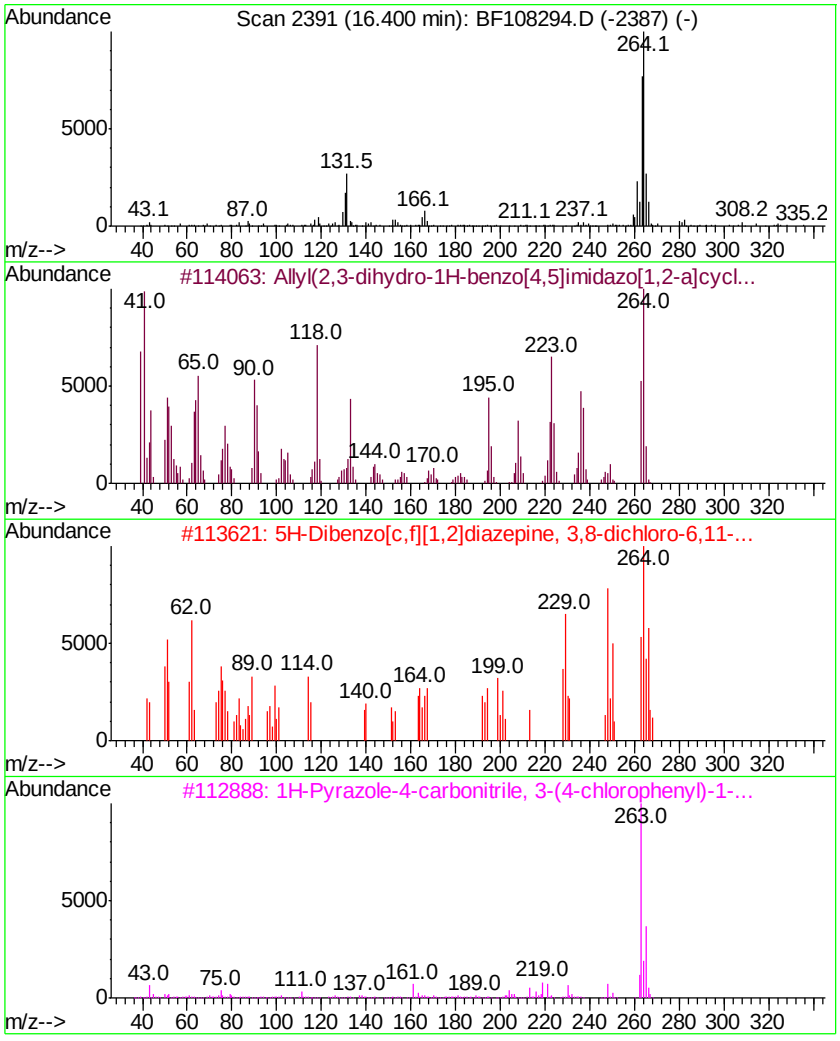
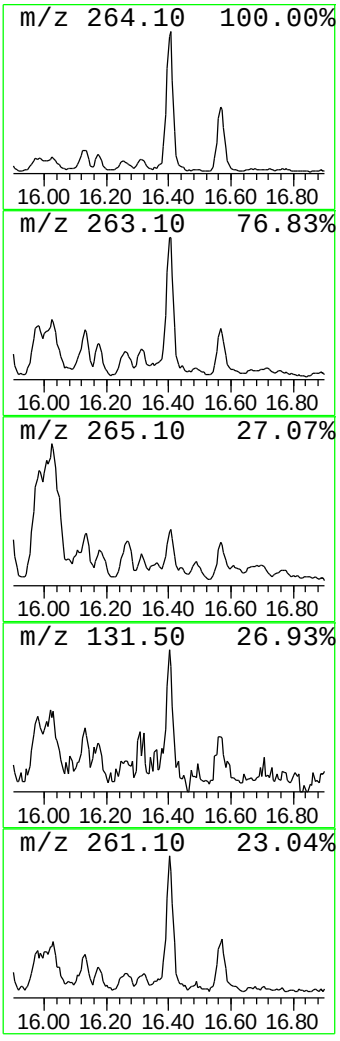
Peak Number 17 unknown16.40 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	5.67 ng	314481	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
2	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
4	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	35
5	Amfonelic acid	308	C18H16N2O3	015180-02-6	27





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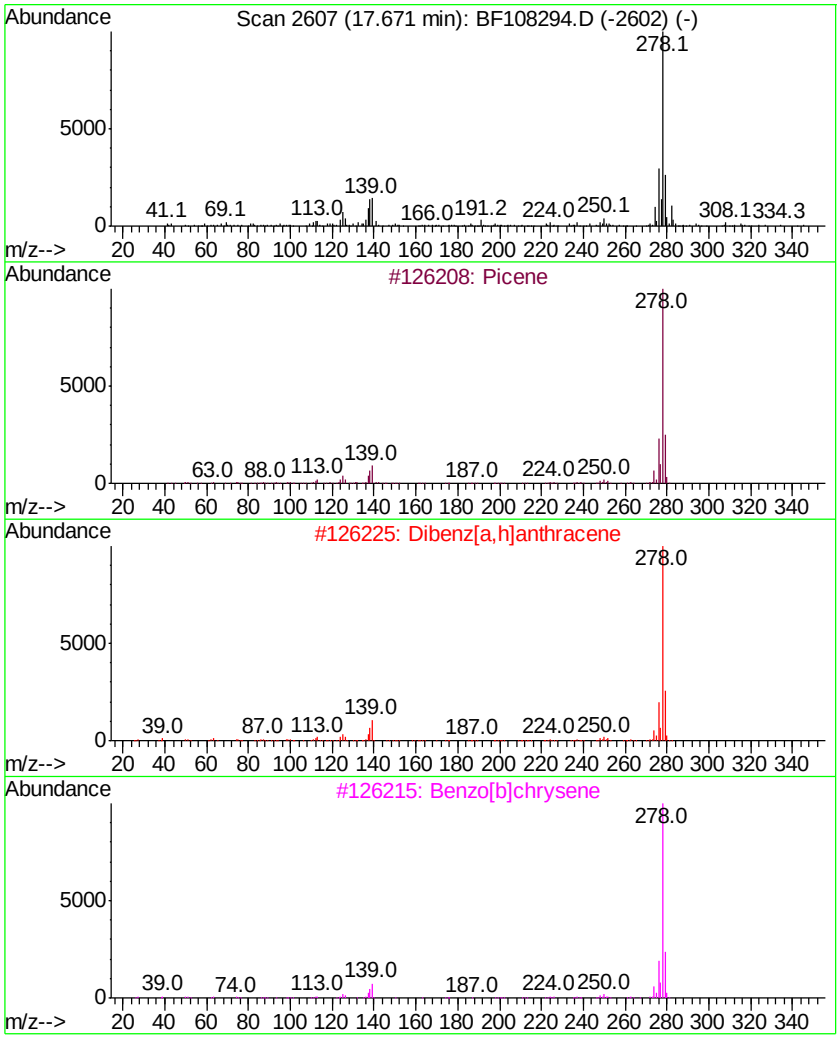
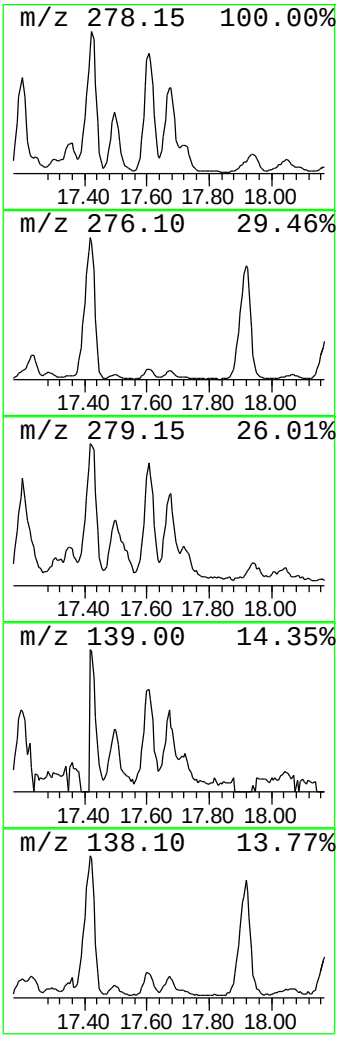
Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	6.15 ng	341309	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
5	Pentaphene	278	C22H14	000222-93-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108294.D
Acq On : 20 Aug 2018 17:10
Operator : JU/SJ
Sample : J4521-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

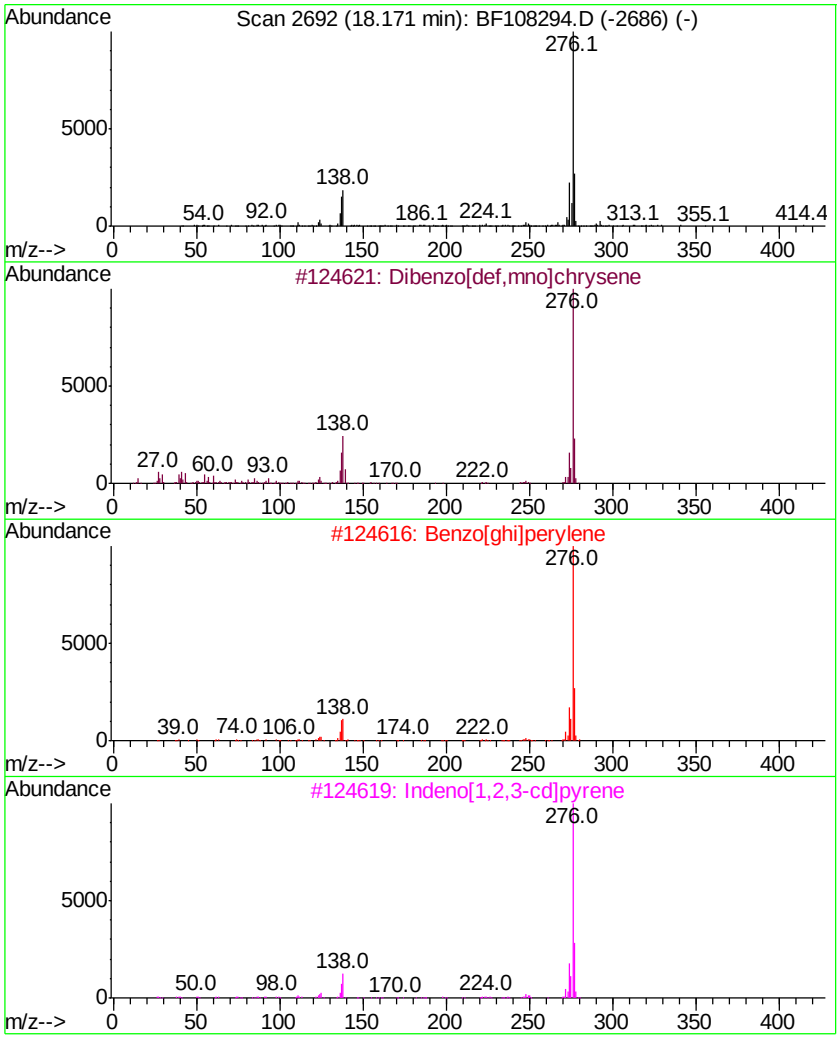
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

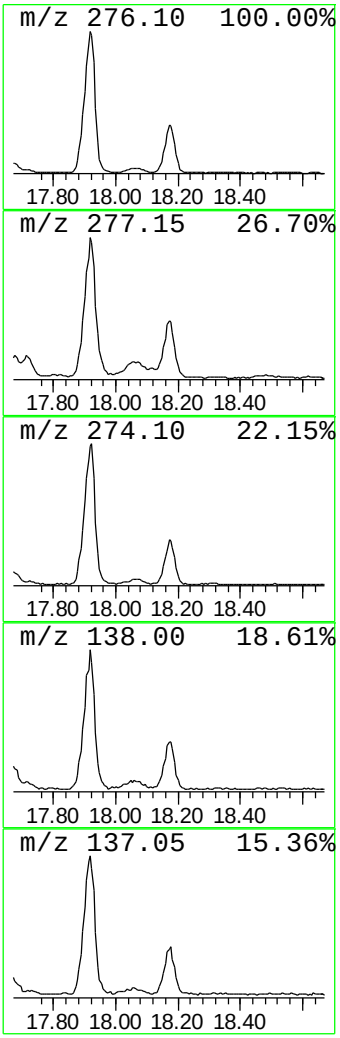
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	12.15 ng	674113	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
Data File : BF108294.D
Acq On : 20 Aug 2018 17:10
Operator : JU/SJ
Sample : J4521-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11975

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.38	9.0	ng	519458	1	7.01	1158850	20.0
unknown6.78	6.78	55.9	ng	3235990	1	7.01	1158850	20.0
Phenanthrene, 2-m...	12.06	11.0	ng	801469	4	11.56	1458200	20.0
Anthracene, 2-met...	12.09	14.8	ng	1075660	4	11.56	1458200	20.0
Phenanthrene, 1-m...	12.14	7.9	ng	575355	4	11.56	1458200	20.0
4H-Cyclopenta[def...	12.18	27.0	ng	1966990	4	11.56	1458200	20.0
5,16[1',2']:8,13[...	12.35	9.1	ng	665277	4	11.56	1458200	20.0
9,10-Anthracenedione	12.38	4.7	ng	345783	4	11.56	1458200	20.0
Phenanthrene, 2,5...	12.61	11.1	ng	806324	4	11.56	1458200	20.0
unknown12.65	12.65	9.8	ng	713245	4	11.56	1458200	20.0
Cyclopenta(def)ph...	12.71	9.3	ng	679035	4	11.56	1458200	20.0
7,12-Dihydrobenzo...	15.14	7.7	ng	429091	6	15.79	1109810	20.0
Dinaphtho[1,2-b:1...	15.52	4.8	ng	264623	6	15.79	1109810	20.0
Benzo[e]pyrene	15.65	46.7	ng	2589590	6	15.79	1109810	20.0
unknown16.40	16.40	5.7	ng	314481	6	15.79	1109810	20.0
Picene	17.67	6.2	ng	341309	6	15.79	1109810	20.0
Dibenzo[def,mno]c...	18.17	12.2	ng	674113	6	15.79	1109810	20.0