LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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	5.081	540	543	560	rBV	487931	553198	16.80%	1.137%
2	6.145	720	724	739	rBV	522668	571056	17.34%	1.174%
3	6.257	739	743	749	rVV	619550	542893	16.49%	1.116%
4	6.487	778	782	787	rBV	751433	673633	20.46%	1.384%
5	6.639	805	808	816	rBV	458995	391800	11.90%	0.805%
6	7.051	874	878	886	rBV	431729	384960	11.69%	0.791%
7	7.769	996	1000	1002	rBV	1178627	1047981	31.83%	2.154%
8	7.792	1002	1004	1011	rVB	810430	634215	19.26%	1.303%
9	8.481	1117	1121	1125	rBV	353240	297494	9.03%	0.611%
10	8.581	1133	1138	1146	rVB	241276	215206	6.54%	0.442%
11	8.845	1179	1183	1187	rBV	703291	540086	16.40%	1.110%
12	8.945	1196	1200	1206	rBV	140894	118843	3.61%	0.244%
13	9.104	1223	1227	1235	rBV	92777	144815	4.40%	0.298%
14	9.180	1235	1240	1242	rVV	146739	144273	4.38%	0.297%
15	9.204	1242	1244	1248	rVV	97702	91148	2.77%	0.187%
16	9.245	1248	1251	1254	rVV	112315	97062	2.95%	0.199%
17	9.298	1256	1260	1266	rVB	74229	93295	2.83%	0.192%
18	9.375	1270	1273	1277	rVB	158014	130893	3.98%	0.269%
19	9.516	1292	1297	1300	rVV	1090660	994119	30.19%	2.043%
20	9.545	1300	1302	1307	rVB	709243	562772	17.09%	1.157%
21	9.722	1328	1332	1336	rVV	484848	462497	14.05%	0.951%
22	9.945	1368	1370	1372	rVV	127133	105371	3.20%	0.217%
23	10.063	1386	1390	1393	rBV	845649	789508	23.98%	1.623%
24	10.127	1396	1401	1402	rVV	69131	98960	3.01%	0.203%
25	10.145	1402	1404	1406	rVV	123596	98402	2.99%	0.202%
26	10.192	1409	1412	1414	rVV	86429	91447	2.78%	0.188%
27	10.216	1414	1416	1422	rVB	150760	150234	4.56%	0.309%
28	10.298	1427	1430	1434	rVV	518274	494640	15.02%	1.017%
29	10.439	1448	1454	1460	rVV2	100618	154139	4.68%	0.317%
30	10.604	1477	1482	1485	rBV2	117755	146258	4.44%	0.301%
31	10.886	1526	1530	1533	rVV	293430	246994	7.50%	0.508%
32	10.992	1544	1548	1549	rBV	793978	772603	23.46%	1.588%
33	11.022	1549	1553	1556	rVV	2987900	2965578	90.07%	6.095%
34	11.069	1556	1561	1564	rVB	1267998	1149261	34.90%	2.362%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.222	1584	1587	1590	rBV	295630	260492	7.91%	0.535%
36	11.310	1600	1602	1608	rVB5	81995	123273	3.74%	0.253%
37	11.410	1615	1619	1622	rVB2	209810	193378	5.87%	0.397%
38	11.492	1629	1633	1635	rBV	409287	400234	12.16%	0.823%
39	11.522	1635	1638	1640	rVV	491511	461158	14.01%	0.948%
40	11.563	1643	1645	1648	rVV	230911	220804	6.71%	0.454%
41	11.598	1648	1651	1654	rVV	794613	802995	24.39%	1.650%
42	11.621	1654	1655	1661	rVB	280124	186840	5.67%	0.384%
43	11.786	1680	1683	1685	rVV	313743	268759	8.16%	0.552%
44	11.933	1703	1708	1711	rBV	104515	117893	3.58%	0.242%
45	12.039	1721	1726	1728	rBV	189290	201870	6.13%	0.415%
46	12.086	1728	1734	1736	rVV2	977919	1077548	32.73%	2.215%
47	12.110	1736	1738	1746	rVB2	1234711	1281303	38.91%	2.633%
48	12.204	1749	1754	1757	rBV	2917640	3281354	99.66%	6.744%
49	12.245	1759	1761	1763	rBV	84917	93313	2.83%	0.192%
50	12.339	1772	1777	1780	rBV	184301	212768	6.46%	0.437%
51	12.427	1786	1792	1795	rBV2	2422084	3292705	100.00%	6.767%
52	12.474	1797	1800	1808	rVB2	157709	199467	6.06%	0.410%
53	12.545	1808	1812	1814	rBV	222325	225971	6.86%	0.464%
54	12.569	1814	1816	1822	rVB2	417439	465955	14.15%	0.958%
55	12.645	1823	1829	1832	rBV2	243845	387107	11.76%	0.796%
56	12.727	1840	1843	1844	rBV	174065	166671	5.06%	0.343%
57	12.751	1844	1847	1851	rVB	647977	547545	16.63%	1.125%
58	12.816	1855	1858	1861	rBV	568871	510553	15.51%	1.049%
59	12.851	1861	1864	1867	rBV	310481	299774	9.10%	0.616%
60	12.910	1872	1874	1877	rVV3	83349	91099	2.77%	0.187%
61	12.945	1877	1880	1882	rVV	155245	140027	4.25%	0.288%
62	12.974	1882	1885	1893	rVB2	163475	182938	5.56%	0.376%
63	13.233	1926	1929	1931	rBV2	89760	104750	3.18%	0.215%
64	13.257	1931	1933	1937	rVB	160804	154436	4.69%	0.317%
65	13.363	1948	1951	1953	rBV	275737	243510	7.40%	0.500%
66	13.386	1953	1955	1958	rBV	201683	176003	5.35%	0.362%
67	13.416	1958	1960	1961	rBV	174798	126350	3.84%	0.260%
68	13.468	1966	1969	1972	rBV	157704	147752	4.49%	0.304%
69	13.610	1986	1993	1996	rBV2	1640463	2490157	75.63%	5.118%
70	13.645	1996	1999	2002	rVB	1326976	1201948	36.50%	2.470%
71	13.721	2007	2012	2014	rBV	358861	373768	11.35%	0.768%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.763	2016	2019	2023	rVV2	111691	139081	4.22%	0.286%
73	13.810	2025	2027	2028	rVV2	145872	122934	3.73%	0.253%
74	13.845	2031	2033	2036	rVB	133086	109414	3.32%	0.225%
75	13.963	2050	2053	2055	rVV2	155786	180665	5.49%	0.371%
76	13.998	2055	2059	2062	rVV	325252	419521	12.74%	0.862%
77	14.033	2062	2065	2069	rVV2	183443	213926	6.50%	0.440%
78	14.092	2072	2075	2078	rVV2	215938	293247	8.91%	0.603%
79	14.121	2078	2080	2082	rVV2	221977	245578	7.46%	0.505%
80	14.145	2082	2084	2087	rVV2	262226	247240	7.51%	0.508%
81	14.174	2087	2089	2091	rVV	84171	89640	2.72%	0.184%
82	14.198	2091	2093	2099	rVB2	124083	124256	3.77%	0.255%
83	14.310	2109	2112	2121	rVB3	101828	222778	6.77%	0.458%
84	14.468	2136	2139	2142	rBV2	142166	163270	4.96%	0.336%
85	14.615	2158	2164	2172	rBV	1321069	2594956	78.81%	5.333%
86	14.698	2175	2178	2182	rVB	396508	373548	11.34%	0.768%
87	14.786	2188	2193	2197	rBV3	88856	223667	6.79%	0.460%
88	14.862	2202	2206	2211	rVV	795818	995281	30.23%	2.045%
89	14.921	2211	2216	2220	rVV	1273365	1453591	44.15%	2.987%
90	14.968	2220	2224	2226	rVV	517383	551397	16.75%	1.133%
91	14.992	2226	2228	2235	rVB	402242	528607	16.05%	1.086%
92	15.433	2300	2303	2308	rVB2	103101	128769	3.91%	0.265%
93	16.192	2427	2432	2438	rVB	535216	950149	28.86%	1.953%
94	16.251	2440	2442	2449	rVB3	82653	122396	3.72%	0.252%
95	16.327	2451	2455	2460	rBV	120855	232327	7.06%	0.477%
96	16.380	2460	2464	2469	rVB2	86712	121169	3.68%	0.249%
97	16.562	2488	2495	2500	rBV	367502	714033	21.69%	1.467%
98	16.751	2524	2527	2532	rVB	94827	146225	4.44%	0.301%
99	17.568	2663	2666	2678	rBV	39970	126351	3.84%	0.260%
100	18.562	2830	2835	2842	rBV2	62956	155050	4.71%	0.319%

Sum of corrected areas: 48657168

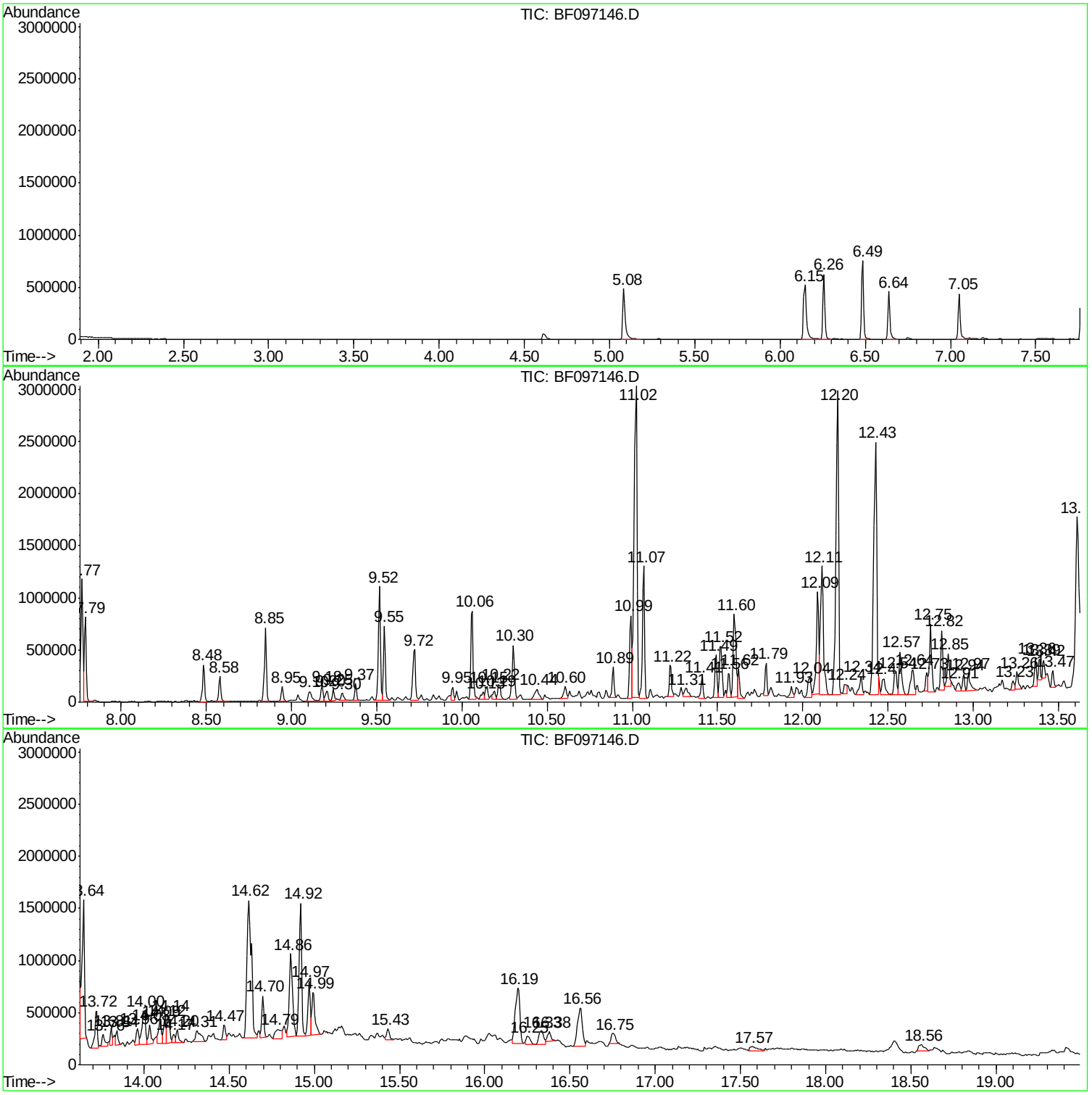
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

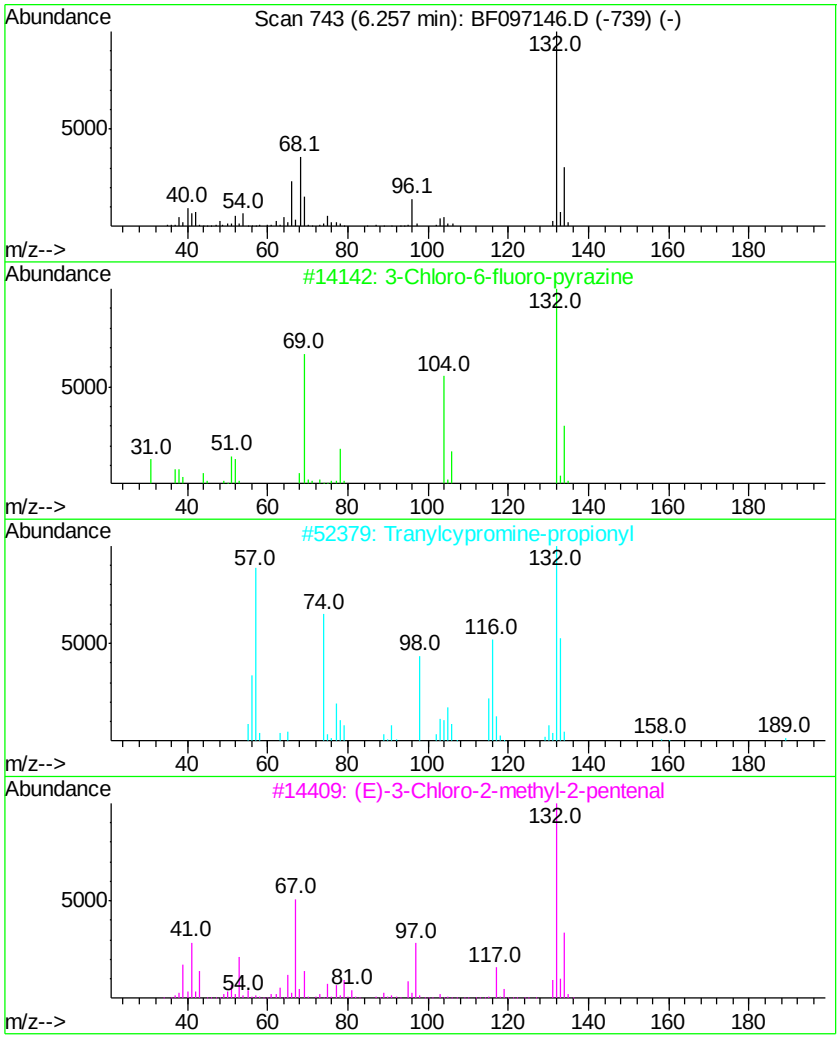
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

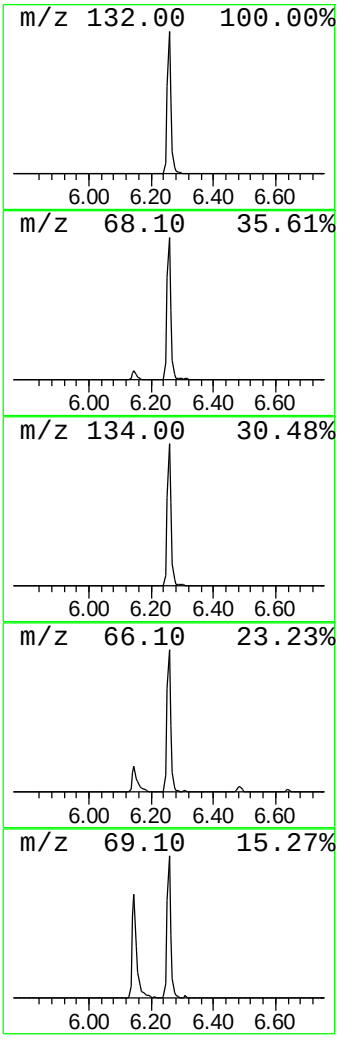
****

Peak Number 1 unknown6.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	16.12 ng	542893	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

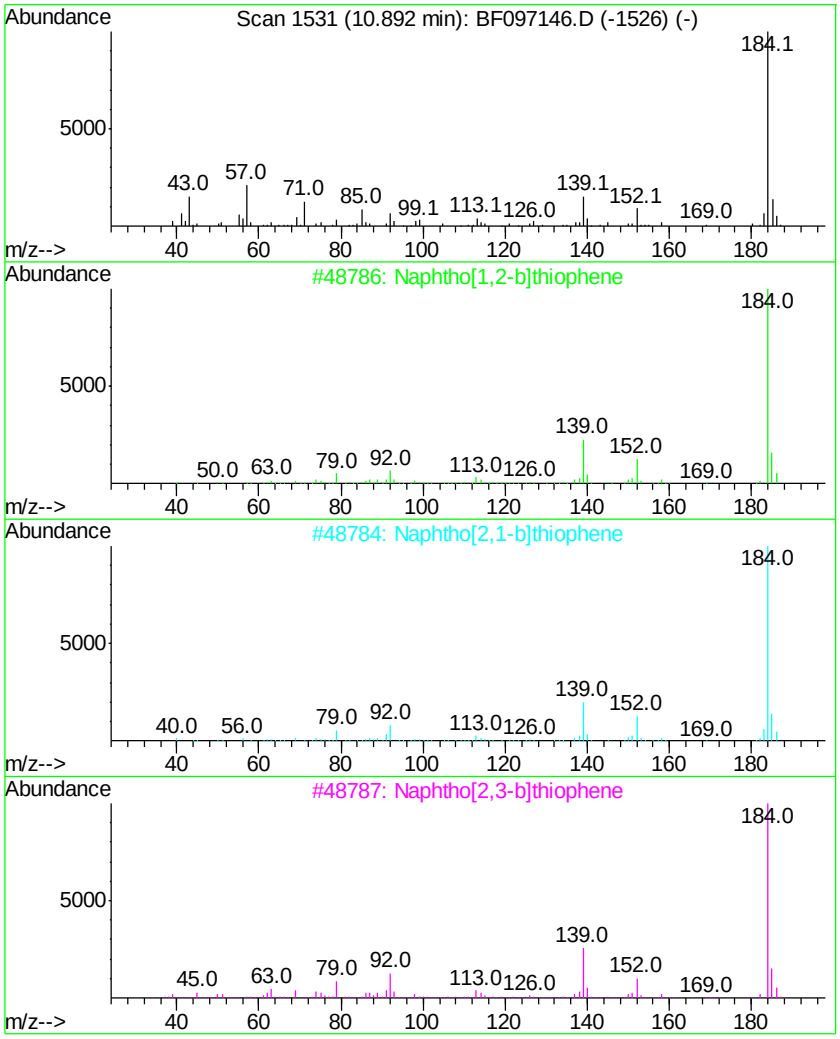
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

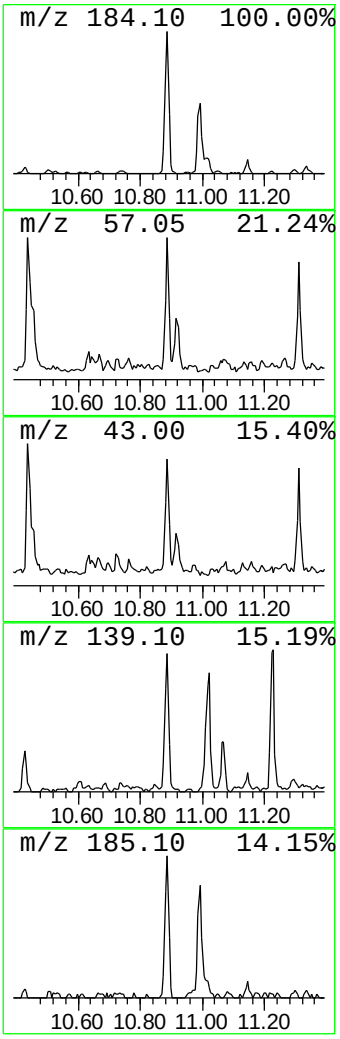
****

Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	6.39 ng	246994	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4	Dibenzothiophene	184	C12H8S	000132-65-0	97
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

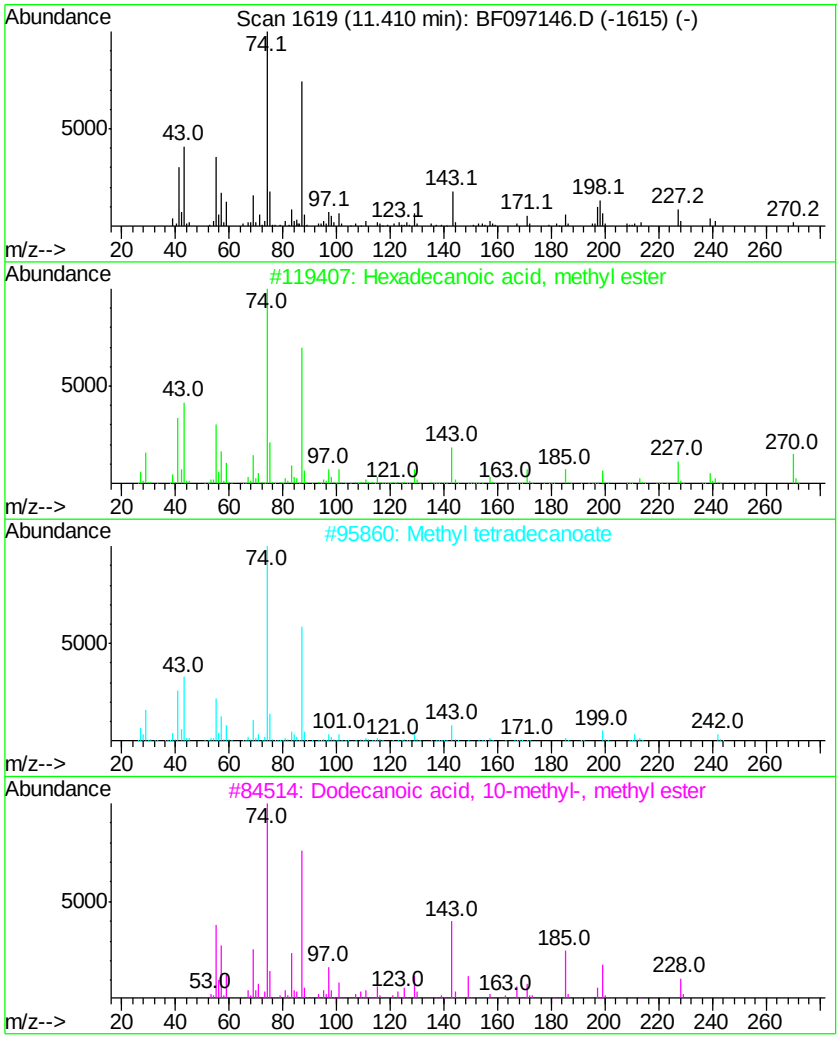
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

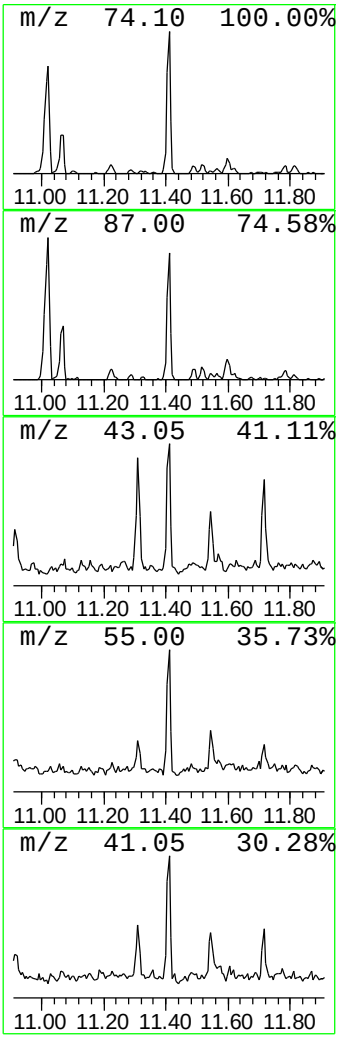
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	5.01 ng	193378	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
3	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	80
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	80
5	Methyl 8-methyl-nonanoate	186	C11H22O2	1000336-43-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

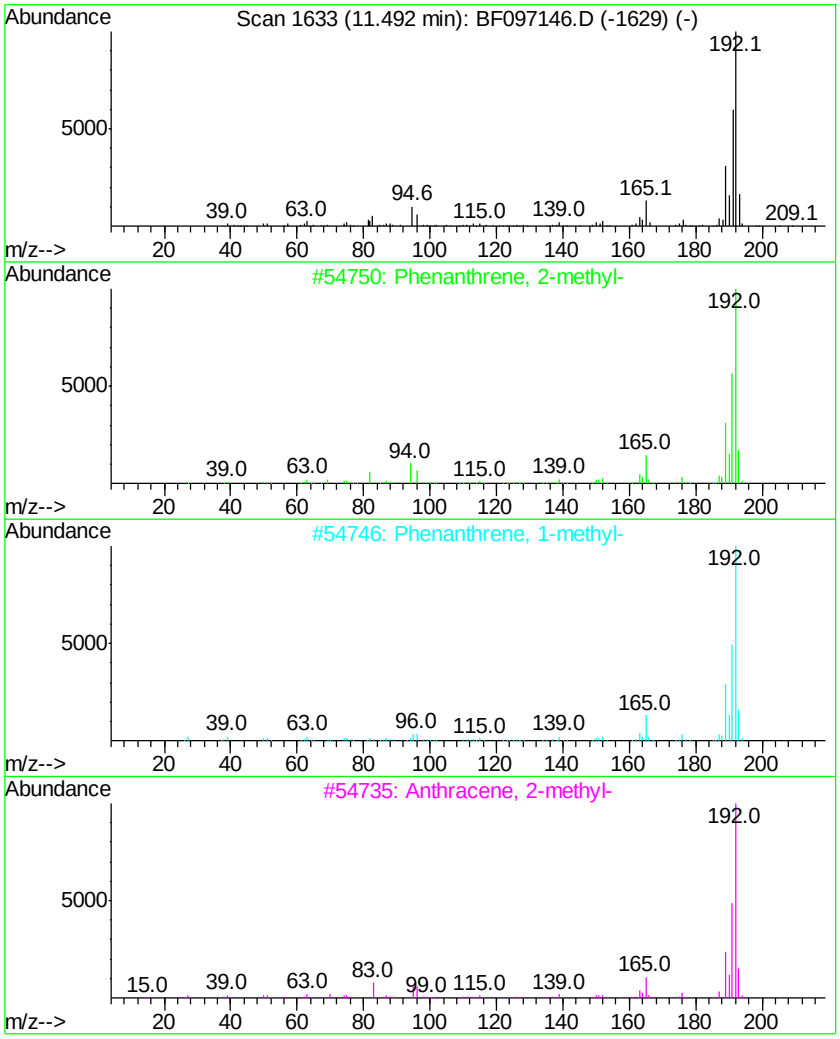
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

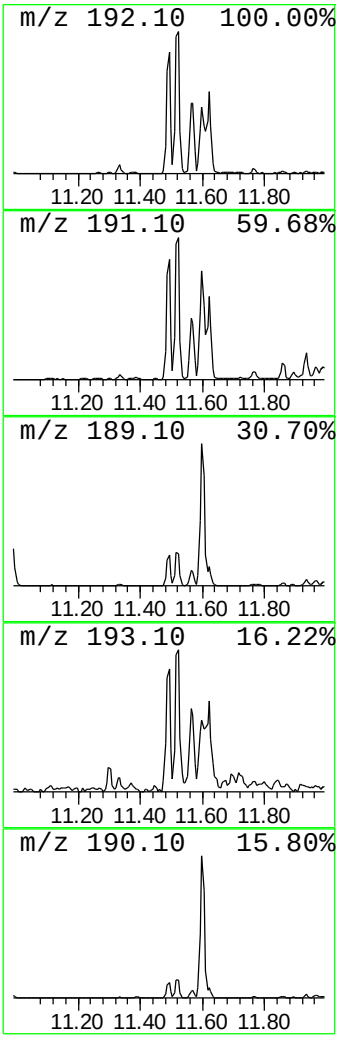
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	10.36 ng	400234	Phenanthrene-d10	10.99

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

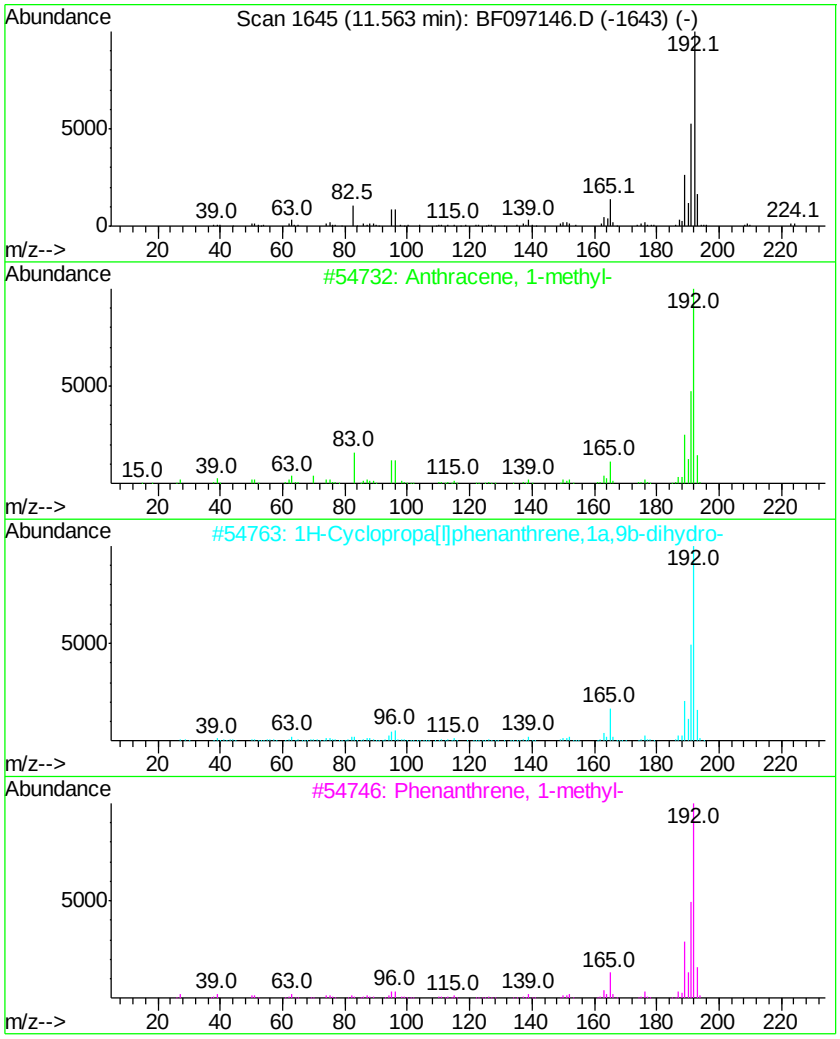
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

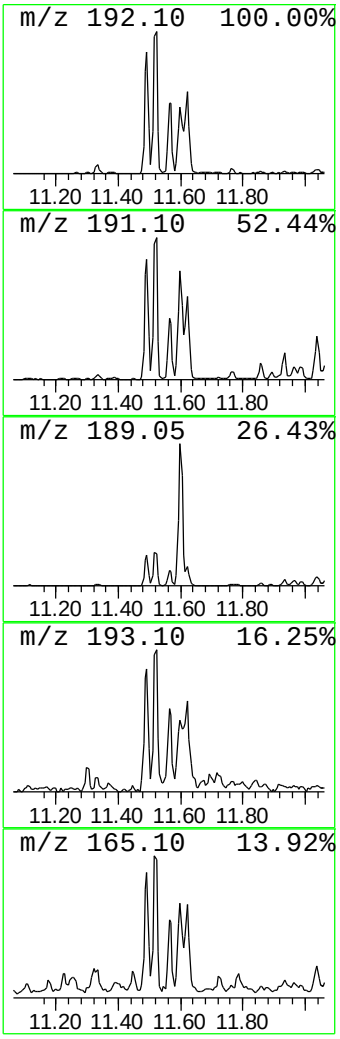
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	5.72 ng	220804	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

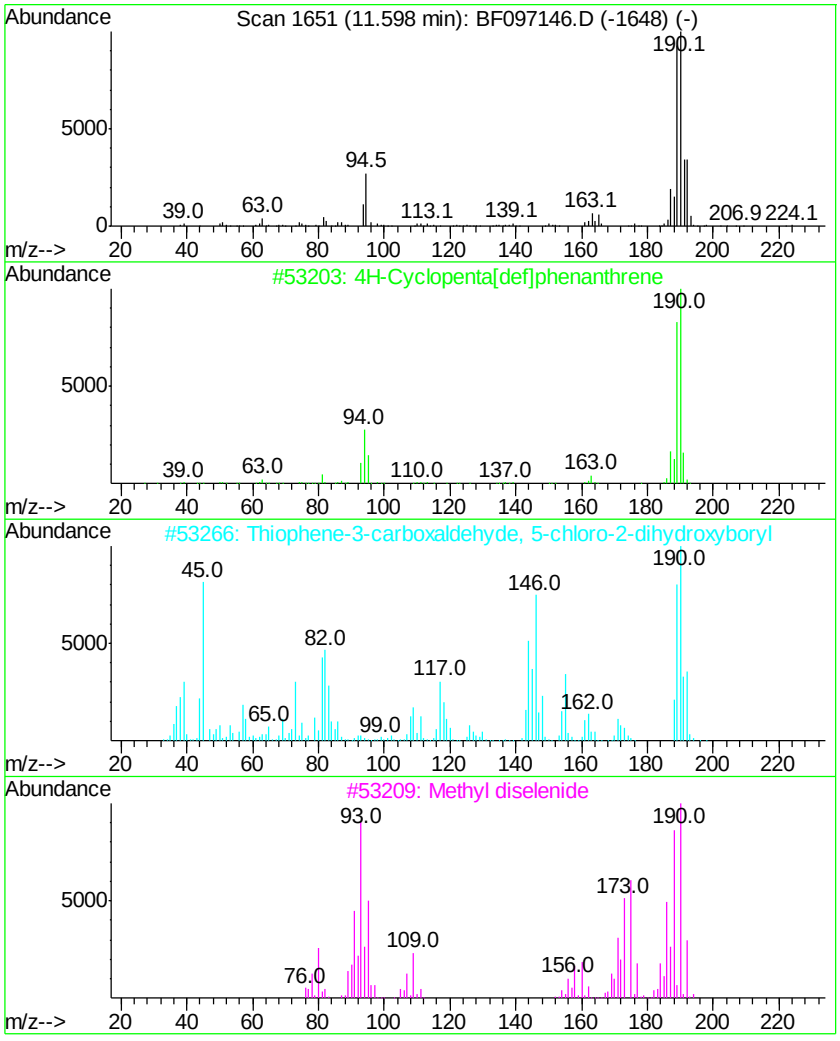
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

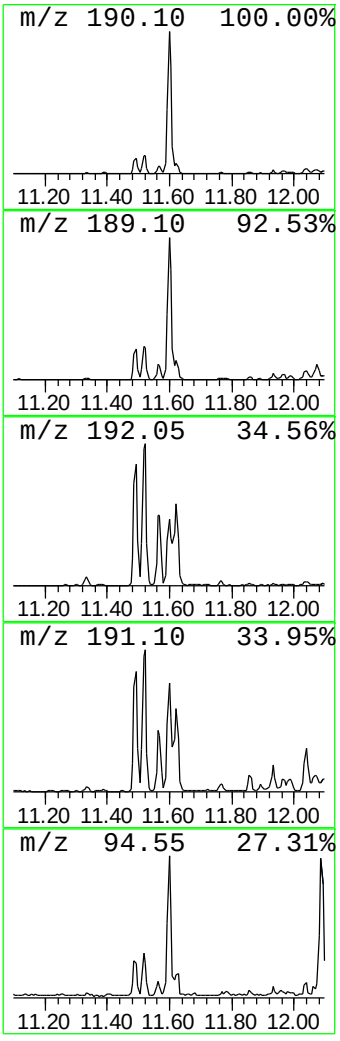
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	20.79 ng	802995	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

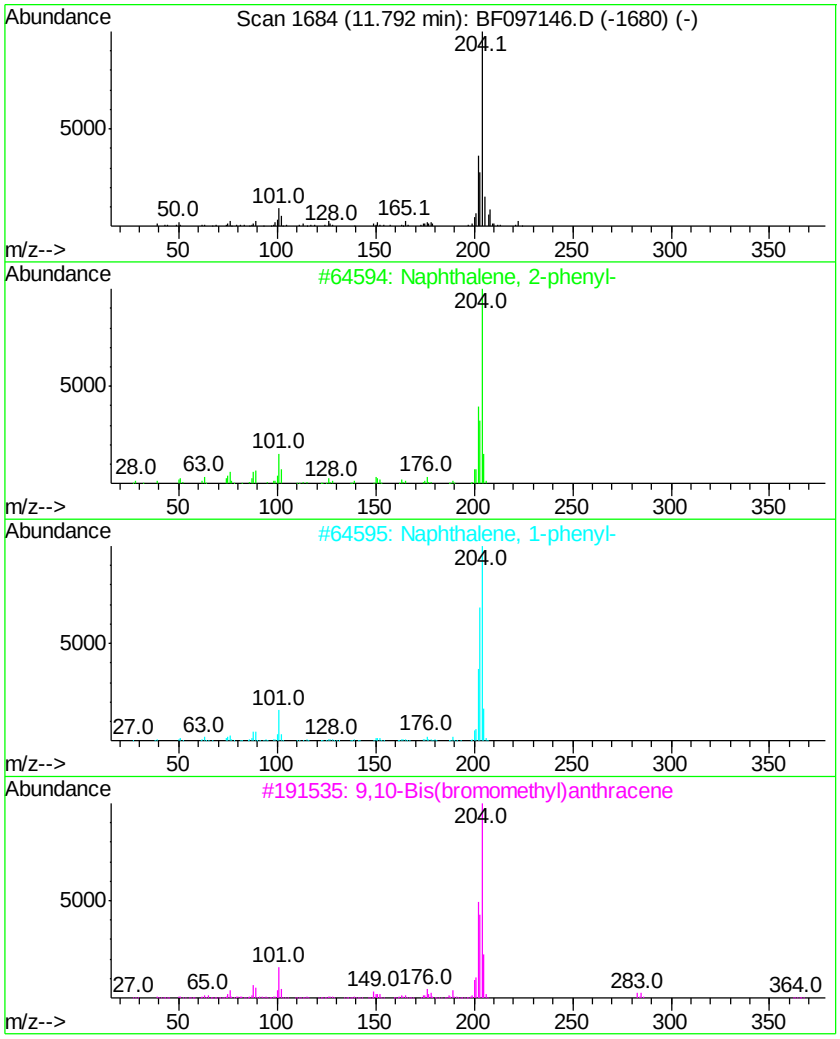
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

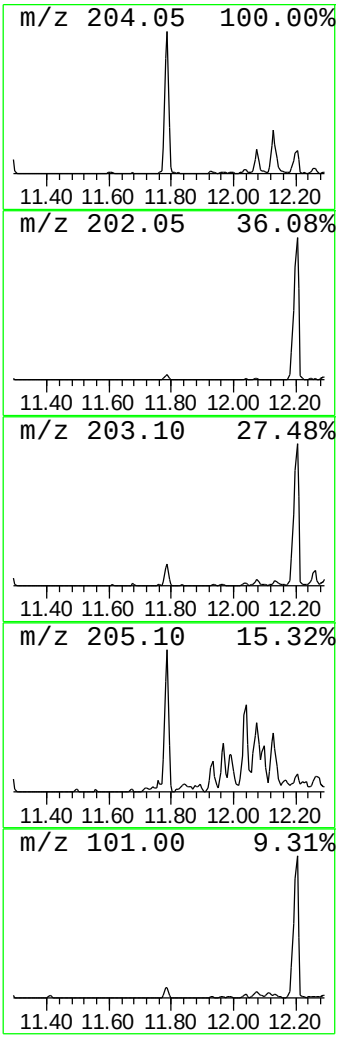
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	6.96 ng	268759	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

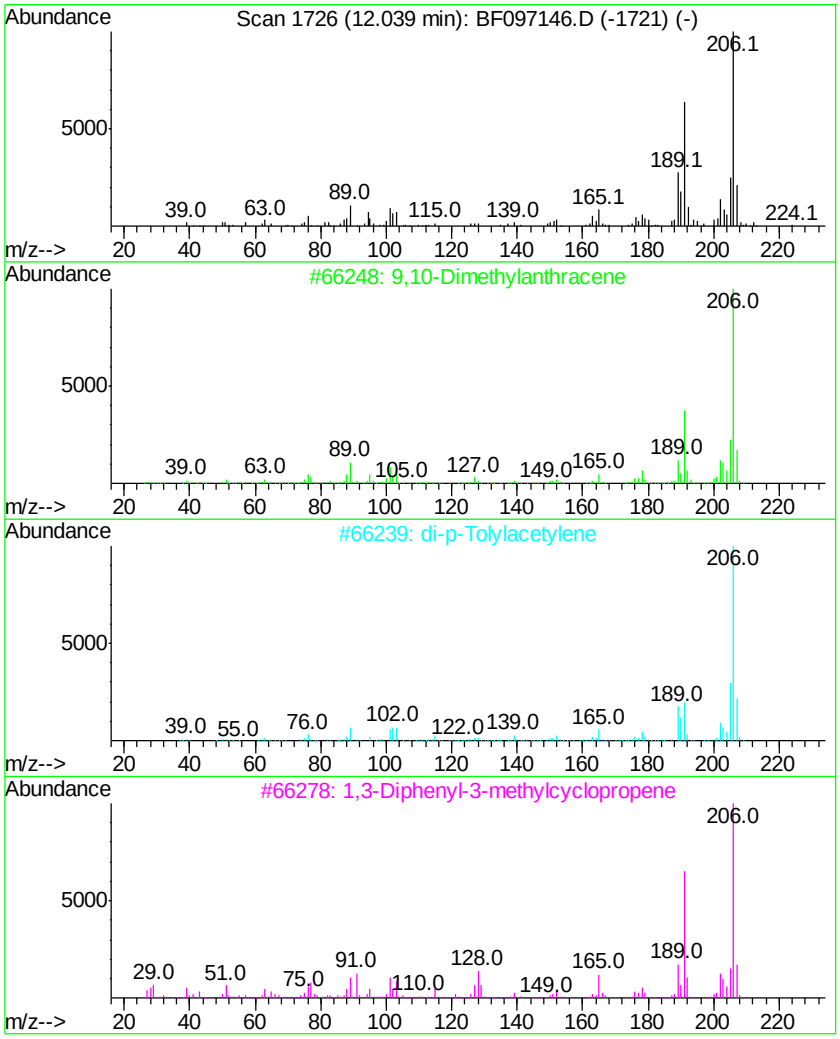
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

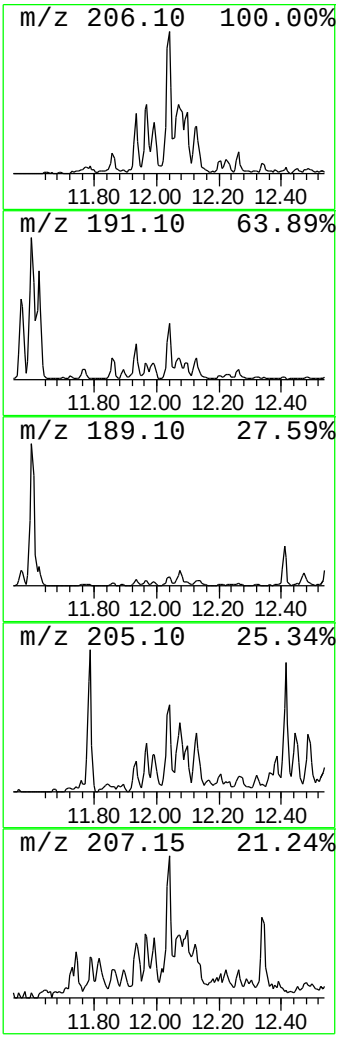
****

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.23 ng	201870	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

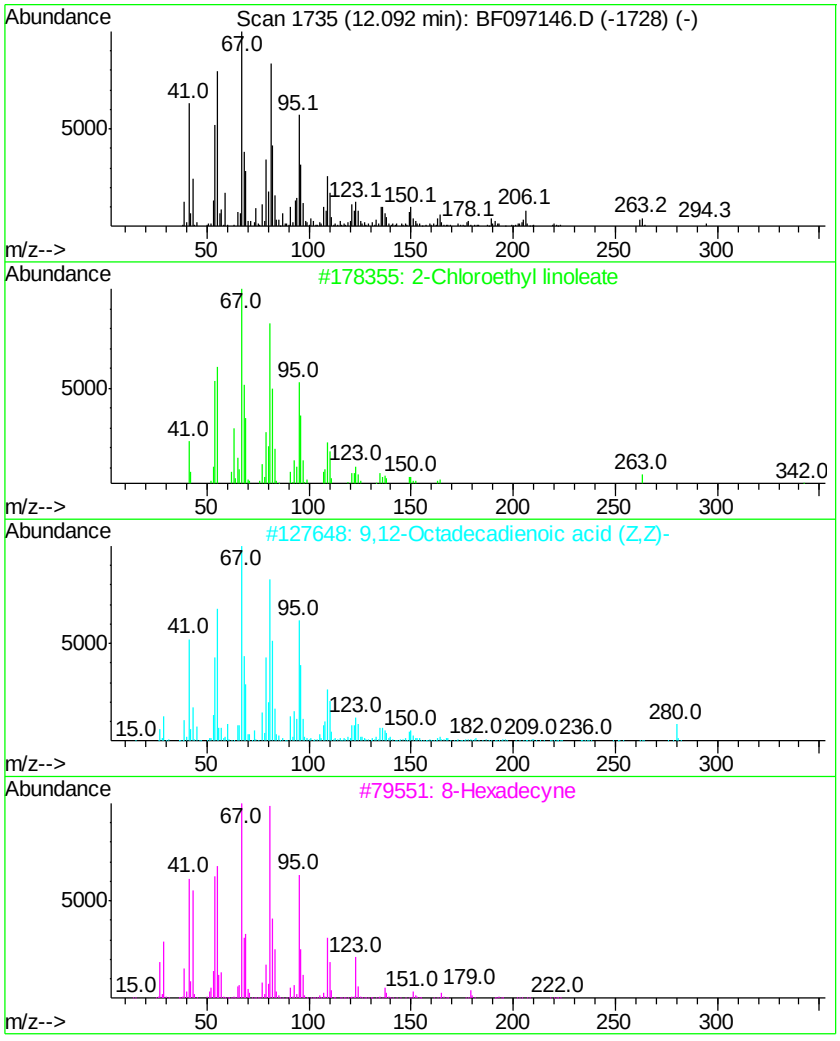
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

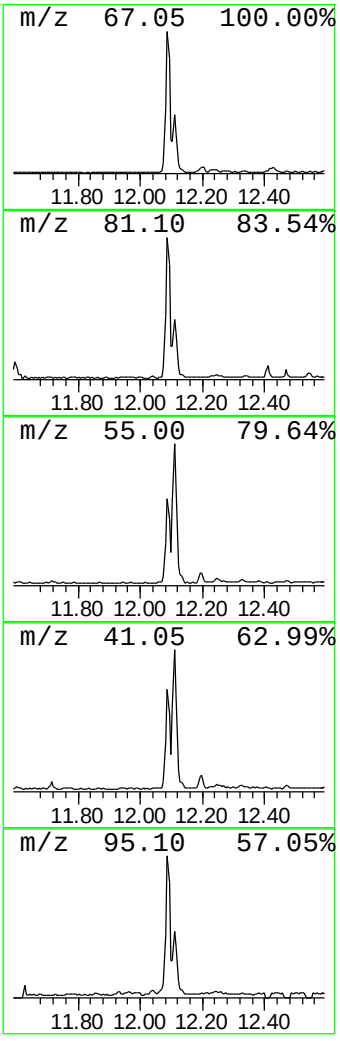
****

Peak Number 11 2-Chloroethyl linoleate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	27.89 ng	1077550	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	94
2	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93
3	8-Hexadecyne	222	C16H30	019781-86-3	93
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	93
5	Methyl 10,11-octadecadienoate	294	C19H34O2	1000336-45-3	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

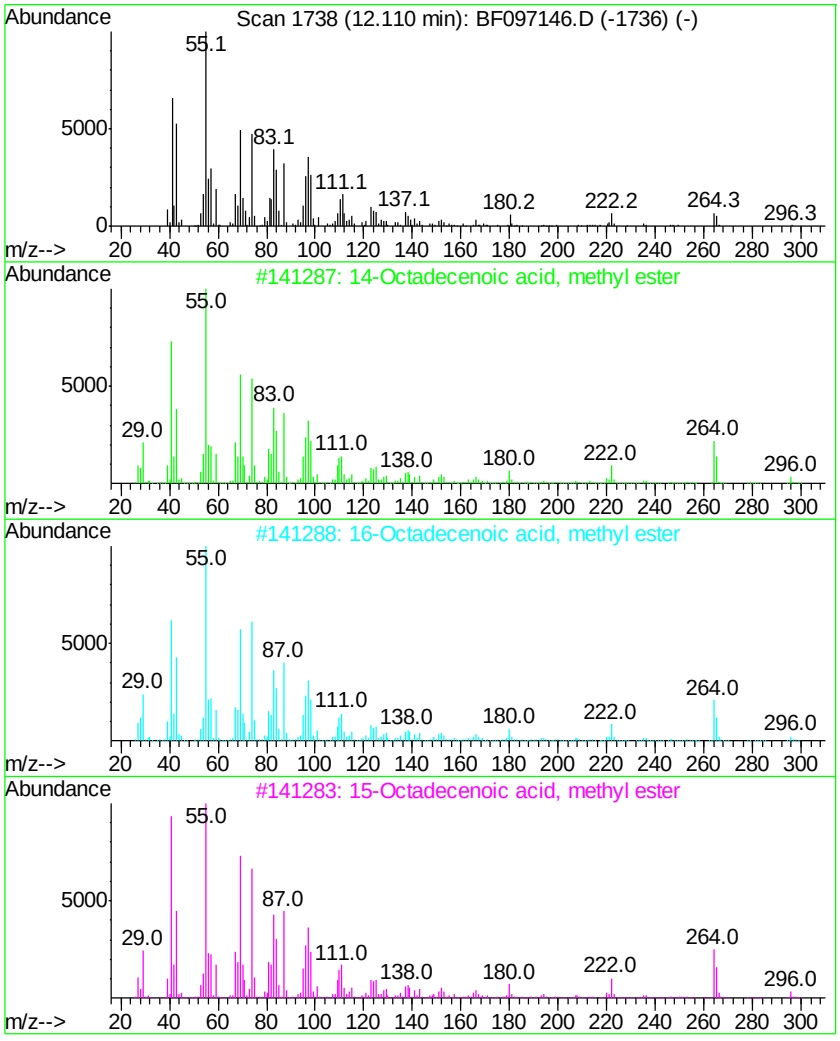
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

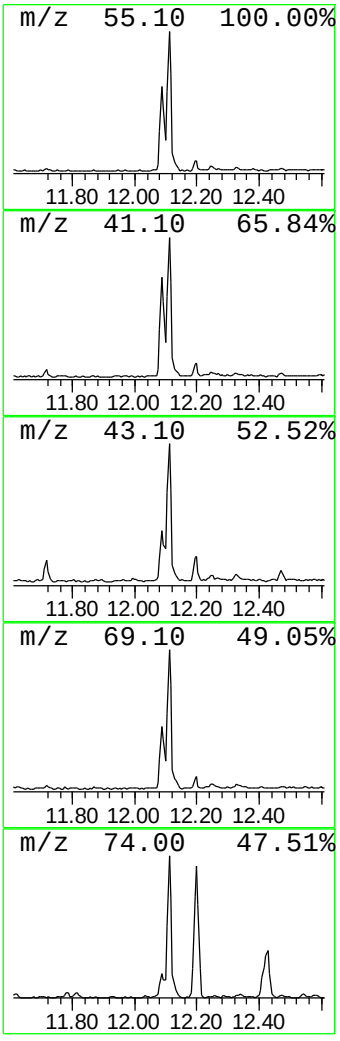
****

Peak Number 12 14-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	33.17 ng	1281300	Phenanthrene-d10	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	96
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	94
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	92
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

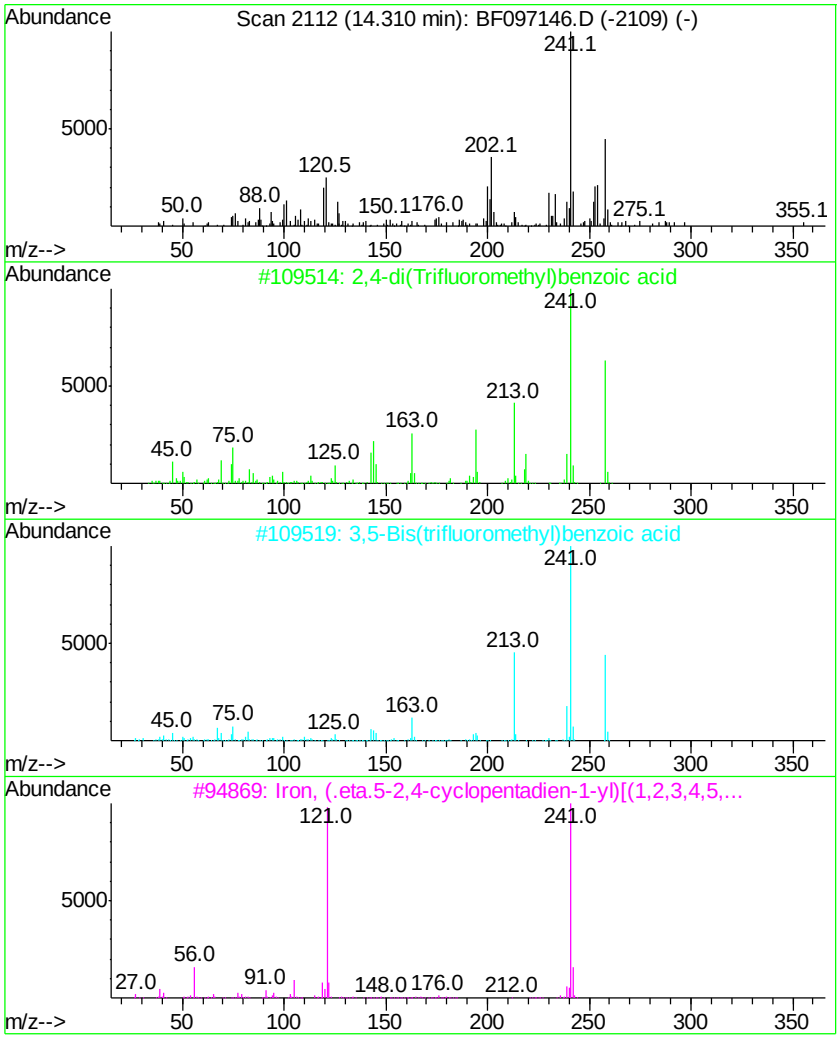
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

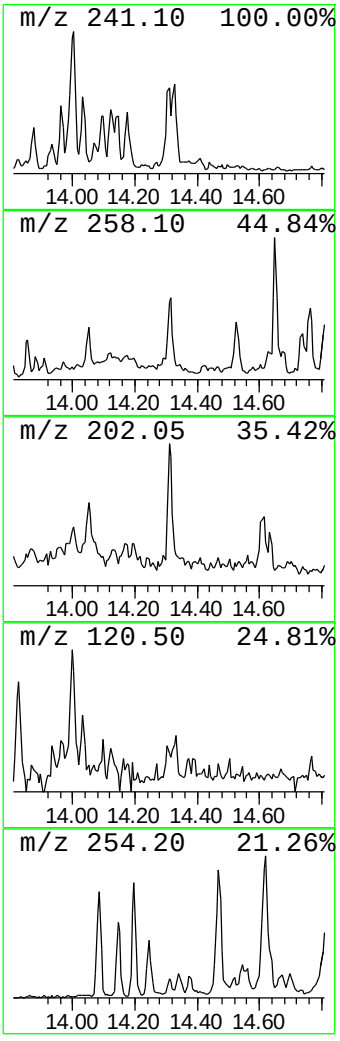
****

Peak Number 13 unknown14.31 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	8.08 ng	222778	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-di(Trifluoromethyl)benzoic acid	258	C9H4F6O2	032890-87-2	35
2	3,5-Bis(trifluoromethyl)benzoic ...	258	C9H4F6O2	000725-89-3	35
3	Iron, (.eta.5-2,4-cyclopentadien...	241	C14H17Fe	051812-08-9	22
4	Ethanone, 1-(10H-phenothiazin-2-...	241	C14H11NOS	006631-94-3	22
5	Dihydronormorphine, 3,6-dideoxy-	241	C16H19NO	1000129-30-2	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

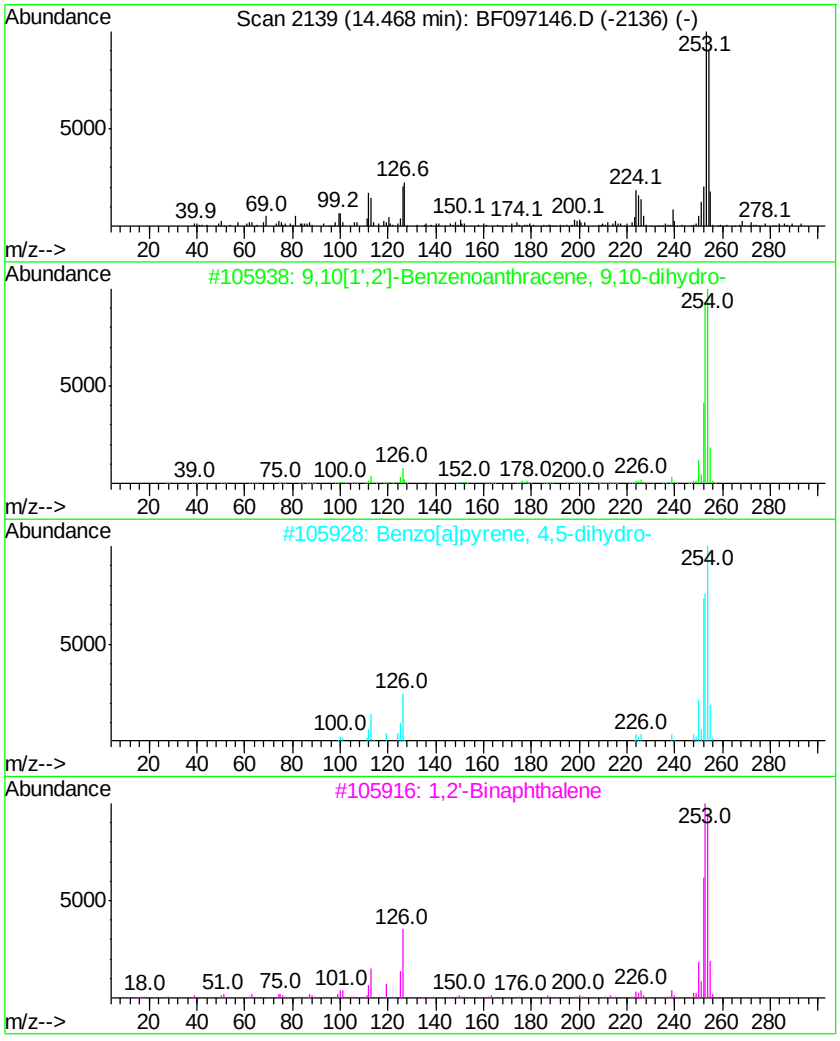
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

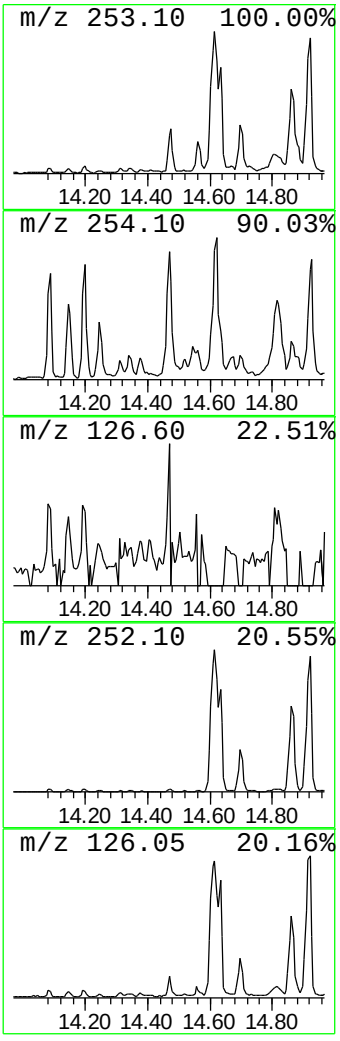
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,10[1',2']-Benzenoanthrace... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	5.92 ng	163270	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	87
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	87
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	83
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	83
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

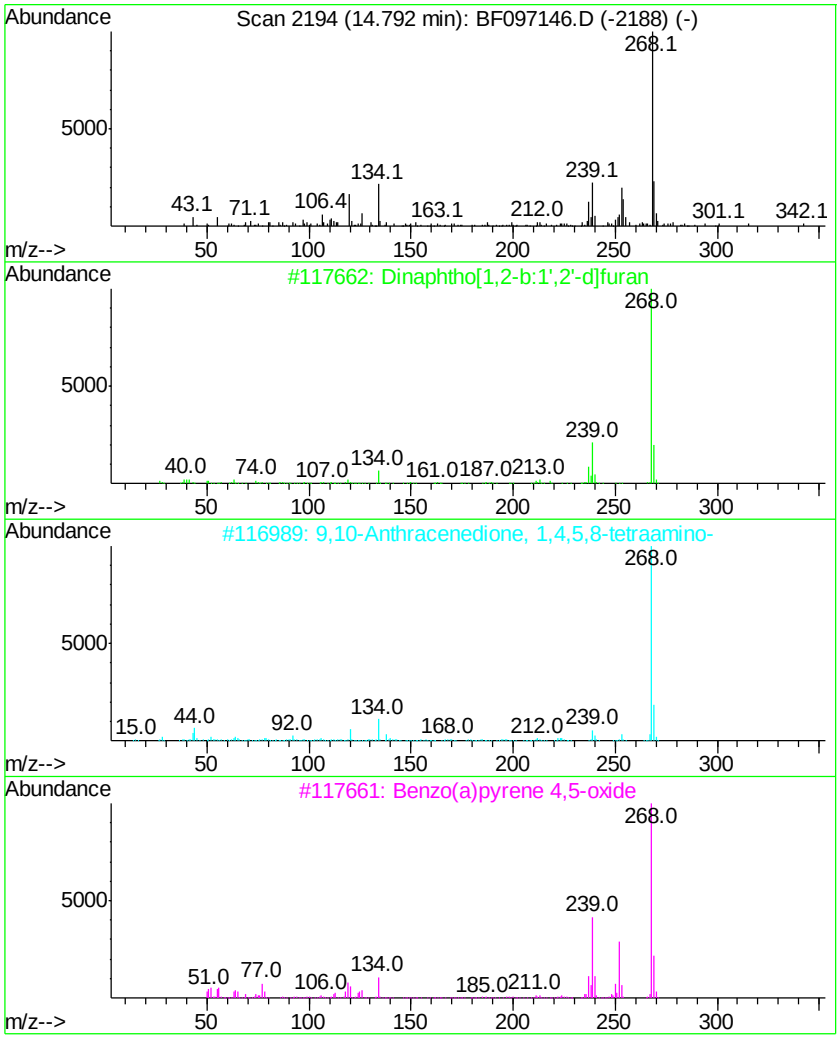
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

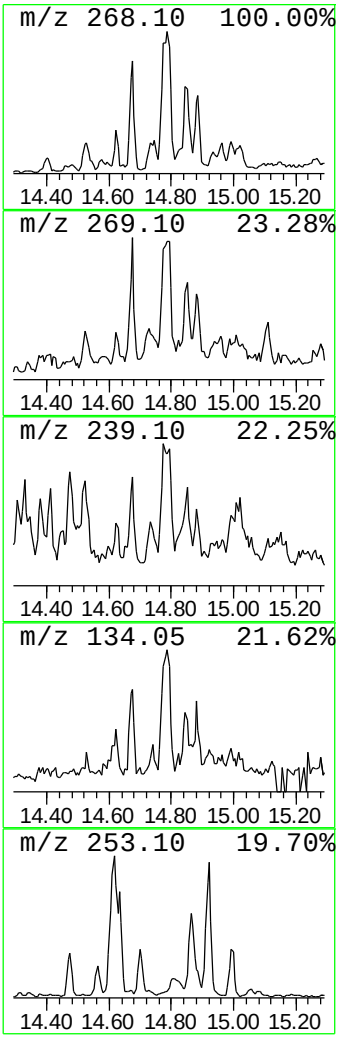
****

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	8.11 ng	223667	Perylene-d12	14.97

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	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	59
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
4	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	52
5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

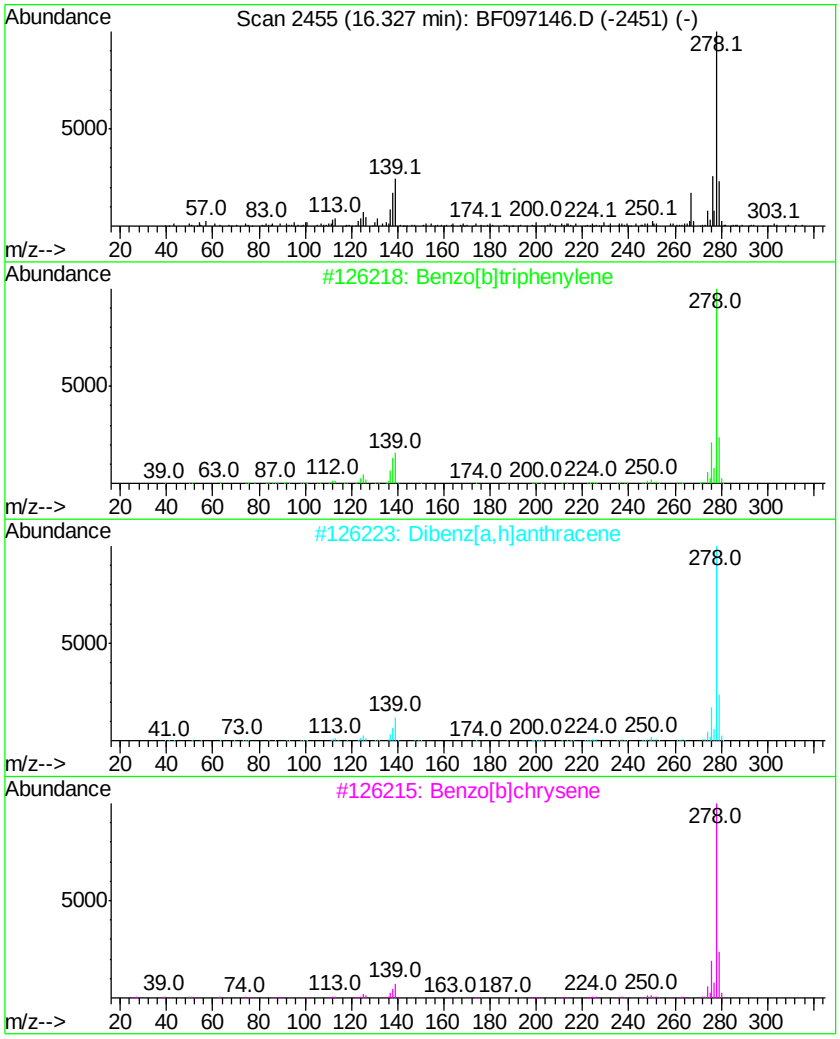
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

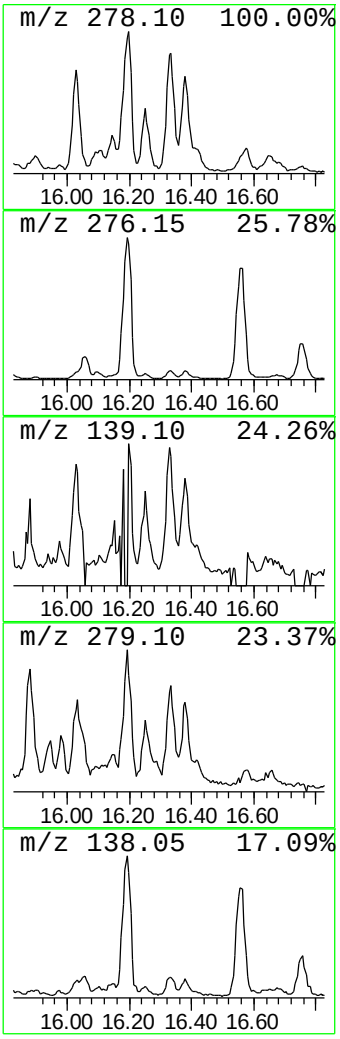
****

Peak Number 18 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	8.43 ng	232327	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	96
4	Picene	278	C22H14	000213-46-7	95
5	Pentaphene	278	C22H14	000222-93-5	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

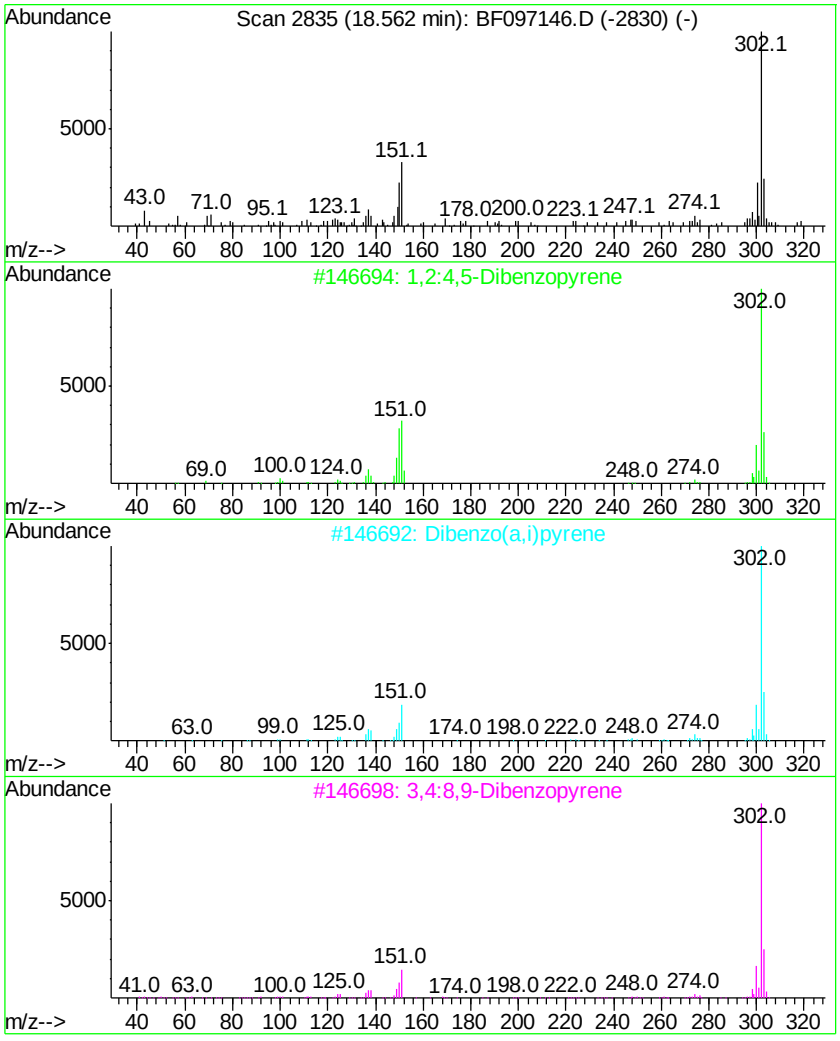
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

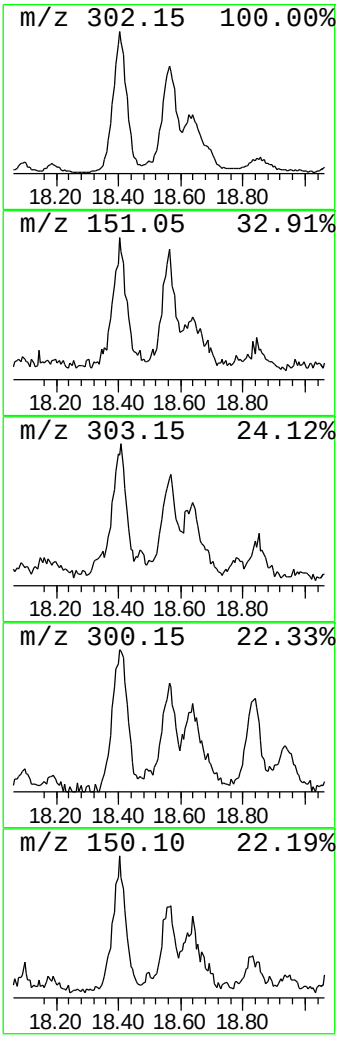
****

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.62 ng	155050	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	96
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	74
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072817\
Data File : BF097146.D
Acq On : 28 Jul 2017 11:25
Operator : SJ/JU
Sample : I4444-10 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-072517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.26	6.26	16.1	ng	542893	1	6.49	673633	20.0
Naphtho[1,2-b]thi...	10.89	6.4	ng	246994	4	10.99	772603	20.0
Hexadecanoic acid...	11.41	5.0	ng	193378	4	10.99	772603	20.0
Phenanthrene, 2-m...	11.49	10.4	ng	400234	4	10.99	772603	20.0
Anthracene, 1-met...	11.56	5.7	ng	220804	4	10.99	772603	20.0
4H-Cyclopenta[def...	11.60	20.8	ng	802995	4	10.99	772603	20.0
Naphthalene, 2-ph...	11.79	7.0	ng	268759	4	10.99	772603	20.0
9,10-Dimethylanth...	12.04	5.2	ng	201870	4	10.99	772603	20.0
2-Chloroethyl lin...	12.09	27.9	ng	1077550	4	10.99	772603	20.0
14-Octadecenoic a...	12.11	33.2	ng	1281300	4	10.99	772603	20.0
unknown14.31	14.31	8.1	ng	222778	6	14.97	551397	20.0
9,10[1',2']-Benze...	14.47	5.9	ng	163270	6	14.97	551397	20.0
Dinaphtho[1,2-b:1...	14.79	8.1	ng	223667	6	14.97	551397	20.0
Benzo[b]triphenylene	16.33	8.4	ng	232327	6	14.97	551397	20.0
1,2:4,5-Dibenzopy...	18.56	5.6	ng	155050	6	14.97	551397	20.0