LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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	4.534	464	467	478	rBV	129207	211365	9.80%	0.679%
2	5.004	543	547	568	rBV	1537230	1967013	91.22%	6.323%
3	6.081	727	730	744	rBV	1868944	2156308	100.00%	6.932%
4	6.187	744	748	757	rVB	1867660	1942854	90.10%	6.246%
5	6.410	783	786	797	rBV	623520	570308	26.45%	1.833%
6	6.563	809	812	820	rBV	1351810	1336807	62.00%	4.297%
7	6.981	880	883	897	rBV	1319646	1323799	61.39%	4.256%
8	7.145	908	911	920	rVB	31206	43123	2.00%	0.139%
9	7.692	1001	1004	1016	rVB	856280	791306	36.70%	2.544%
10	8.410	1123	1126	1134	rVB	31662	29753	1.38%	0.096%
11	8.769	1183	1187	1191	rBV	2042709	1940775	90.00%	6.239%
12	9.175	1252	1256	1262	rBV	559986	464008	21.52%	1.492%
13	9.433	1297	1300	1303	rBV	831989	751220	34.84%	2.415%
14	9.469	1303	1306	1314	rVB	349377	301763	13.99%	0.970%
15	9.645	1333	1336	1341	rVB	86333	79784	3.70%	0.256%
16	9.892	1375	1378	1381	rVB	52496	42703	1.98%	0.137%
17	9.980	1390	1393	1400	rBV	173832	145531	6.75%	0.468%
18	10.045	1400	1404	1406	rBV	22978	30072	1.39%	0.097%
19	10.110	1410	1415	1418	rBV4	33332	46292	2.15%	0.149%
20	10.222	1431	1434	1440	rBV	902088	862502	40.00%	2.773%
21	10.363	1455	1458	1466	rBV	98266	120363	5.58%	0.387%
22	10.727	1517	1520	1524	rBV	42420	42081	1.95%	0.135%
23	10.804	1530	1533	1536	rBV	111753	100335	4.65%	0.323%
24	10.910	1547	1551	1553	rBV	630190	598652	27.76%	1.924%
25	10.933	1553	1555	1559	rVV	1291678	1030472	47.79%	3.313%
26	10.986	1559	1564	1569	rVV	334568	314543	14.59%	1.011%
27	11.151	1586	1592	1595	rBV2	145165	164196	7.61%	0.528%
28	11.233	1603	1606	1609	rVB2	32272	35987	1.67%	0.116%
29	11.410	1632	1636	1638	rBV	111237	89744	4.16%	0.288%
30	11.439	1638	1641	1644	rVV	153670	142425	6.61%	0.458%
31	11.469	1644	1646	1647	rVV	75173	57193	2.65%	0.184%
32	11.486	1647	1649	1652	rVV	77437	71863	3.33%	0.231%
33	11.516	1652	1654	1657	rVV	227628	218762	10.15%	0.703%
34	11.539	1657	1658	1665	rVB	64896	61963	2.87%	0.199%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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	11.633	1671	1674	1680	rBV6	24987	39400	1.83%	0.127%
36	11.704	1683	1686	1690	rVV	86590	71201	3.30%	0.229%
37	11.745	1690	1693	1696	rVV	83509	80749	3.74%	0.260%
38	11.957	1726	1729	1732	rBV	41897	45551	2.11%	0.146%
39	12.051	1742	1745	1748	rVV2	55596	50366	2.34%	0.162%
40	12.116	1752	1756	1760	rBV	1517713	1353938	62.79%	4.352%
41	12.263	1776	1781	1784	rBV3	65682	85194	3.95%	0.274%
42	12.339	1789	1794	1797	rBV	1225070	1289268	59.79%	4.145%
43	12.392	1800	1803	1811	rVB2	54204	74254	3.44%	0.239%
44	12.463	1811	1815	1816	rBV	77062	61204	2.84%	0.197%
45	12.492	1816	1820	1827	rVB	1349067	1363814	63.25%	4.384%
46	12.568	1827	1833	1835	rBV2	62420	103666	4.81%	0.333%
47	12.598	1835	1838	1843	rVB	42044	39624	1.84%	0.127%
48	12.645	1843	1846	1848	rBV3	54375	71865	3.33%	0.231%
49	12.668	1848	1850	1854	rVB	175307	167749	7.78%	0.539%
50	12.733	1858	1861	1864	rVB	122656	113123	5.25%	0.364%
51	12.768	1864	1867	1869	rBV	108925	115399	5.35%	0.371%
52	12.863	1880	1883	1886	rBV	60368	44671	2.07%	0.144%
53	12.892	1886	1888	1892	rBV	49372	43242	2.01%	0.139%
54	13.074	1910	1919	1920	rBV6	25402	53198	2.47%	0.171%
55	13.186	1935	1938	1940	rVV	61816	54354	2.52%	0.175%
56	13.286	1951	1955	1956	rBV	92783	95146	4.41%	0.306%
57	13.304	1956	1958	1961	rVV	110355	108225	5.02%	0.348%
58	13.333	1961	1963	1965	rVV	98174	92353	4.28%	0.297%
59	13.351	1965	1966	1970	rVB2	55661	50932	2.36%	0.164%
60	13.392	1970	1973	1976	rBV	88322	84646	3.93%	0.272%
61	13.427	1976	1979	1989	rVB2	54597	153263	7.11%	0.493%
62	13.527	1989	1996	1999	rBV2	901551	1407627	65.28%	4.525%
63	13.557	1999	2001	2005	rVB	630954	593252	27.51%	1.907%
64	13.633	2010	2014	2019	rVB	148095	145444	6.75%	0.468%
65	13.692	2019	2024	2027	rBV2	55818	76711	3.56%	0.247%
66	13.733	2028	2031	2035	rVV2	68124	96928	4.50%	0.312%
67	13.768	2035	2037	2040	rVB	55855	44466	2.06%	0.143%
68	13.886	2054	2057	2059	rVV2	46504	52768	2.45%	0.170%
69	13.921	2059	2063	2066	rVV	130945	156538	7.26%	0.503%
70	13.951	2066	2068	2071	rVV2	60182	61147	2.84%	0.197%
71	14.015	2071	2079	2081	rVV3	64378	125810	5.83%	0.404%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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	14.045	2081	2084	2085	rVV3	71385	81347	3.77%	0.262%
73	14.063	2085	2087	2090	rVV2	102385	90936	4.22%	0.292%
74	14.245	2113	2118	2125	rBV4	63079	90246	4.19%	0.290%
75	14.321	2129	2131	2137	rVB4	25895	30836	1.43%	0.099%
76	14.398	2139	2144	2147	rVB2	66161	72543	3.36%	0.233%
77	14.486	2155	2159	2161	rBV2	32782	37312	1.73%	0.120%
78	14.527	2162	2166	2174	rVV	592172	952513	44.17%	3.062%
79	14.592	2174	2177	2178	rVV	30810	31347	1.45%	0.101%
80	14.615	2178	2181	2185	rVB	100128	101046	4.69%	0.325%
81	14.698	2189	2195	2197	rBV5	41381	80672	3.74%	0.259%
82	14.727	2197	2200	2203	rVV2	47382	75492	3.50%	0.243%
83	14.768	2203	2207	2213	rVV	341364	397740	18.45%	1.279%
84	14.821	2213	2216	2221	rVV	486076	537575	24.93%	1.728%
85	14.874	2221	2225	2227	rVV	449940	490858	22.76%	1.578%
86	14.898	2227	2229	2236	rVB2	144845	190796	8.85%	0.613%
87	15.062	2253	2257	2261	rVB3	32528	47872	2.22%	0.154%
88	15.251	2285	2289	2294	rBV4	26324	41287	1.91%	0.133%
89	15.333	2299	2303	2311	rVB4	43600	75043	3.48%	0.241%
90	15.651	2353	2357	2361	rBV	24714	35551	1.65%	0.114%
91	15.904	2394	2400	2402	rVV2	24303	45195	2.10%	0.145%
92	15.939	2403	2406	2409	rVV	27194	34761	1.61%	0.112%
93	15.980	2411	2413	2421	rVB8	20023	41150	1.91%	0.132%
94	16.062	2421	2427	2433	rBV	139061	266243	12.35%	0.856%
95	16.115	2433	2436	2441	rVB6	31549	47836	2.22%	0.154%
96	16.198	2446	2450	2454	rBV2	34071	60808	2.82%	0.195%
97	16.415	2482	2487	2496	rVB	101377	198834	9.22%	0.639%
98	16.621	2517	2522	2533	rVB3	42037	126310	5.86%	0.406%
99	18.198	2784	2790	2792	rBV3	21841	39273	1.82%	0.126%
100	19.133	2942	2949	2955	rBV7	10885	32938	1.53%	0.106%

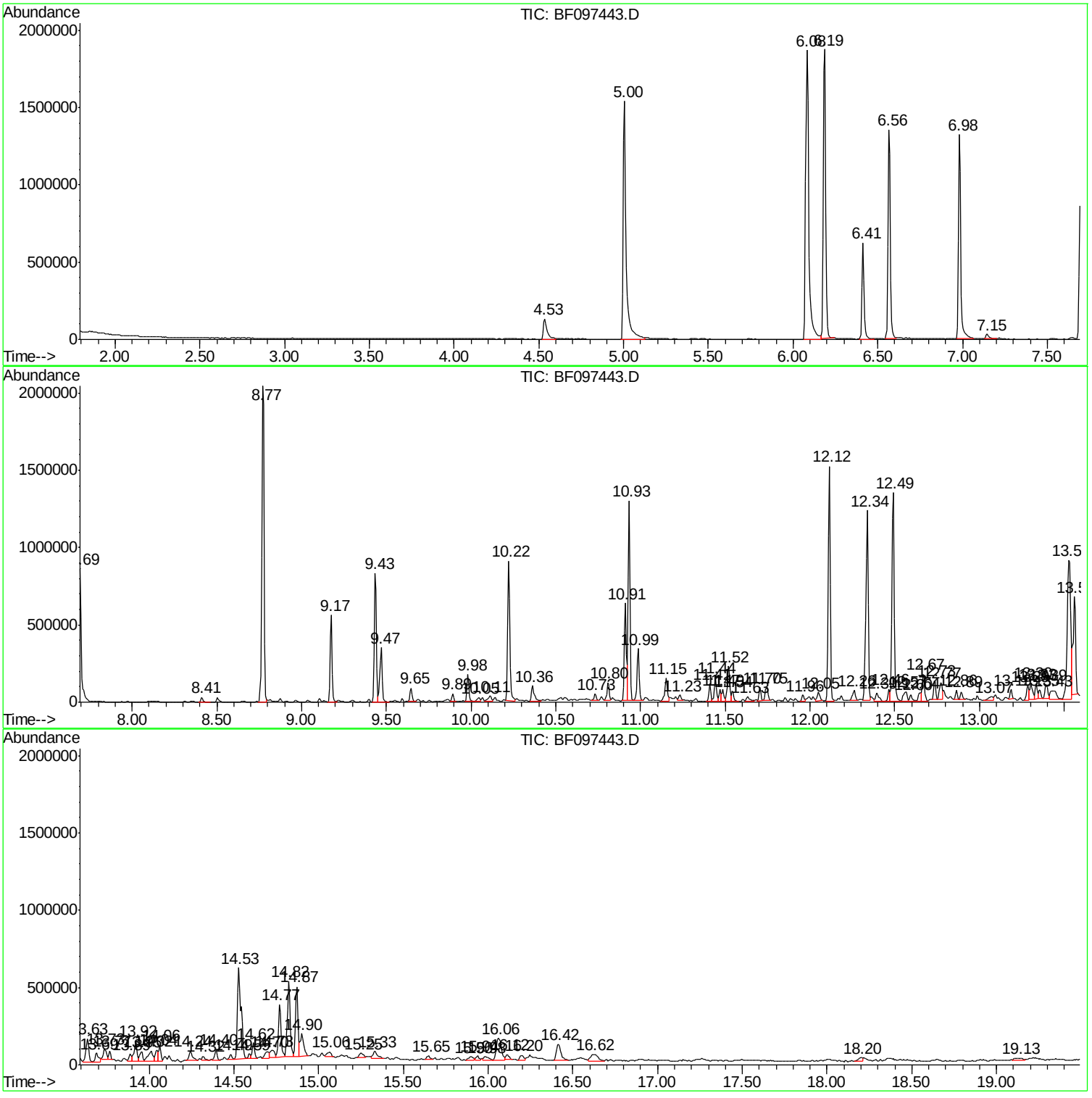
Sum of corrected areas: 31107311

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-WN

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

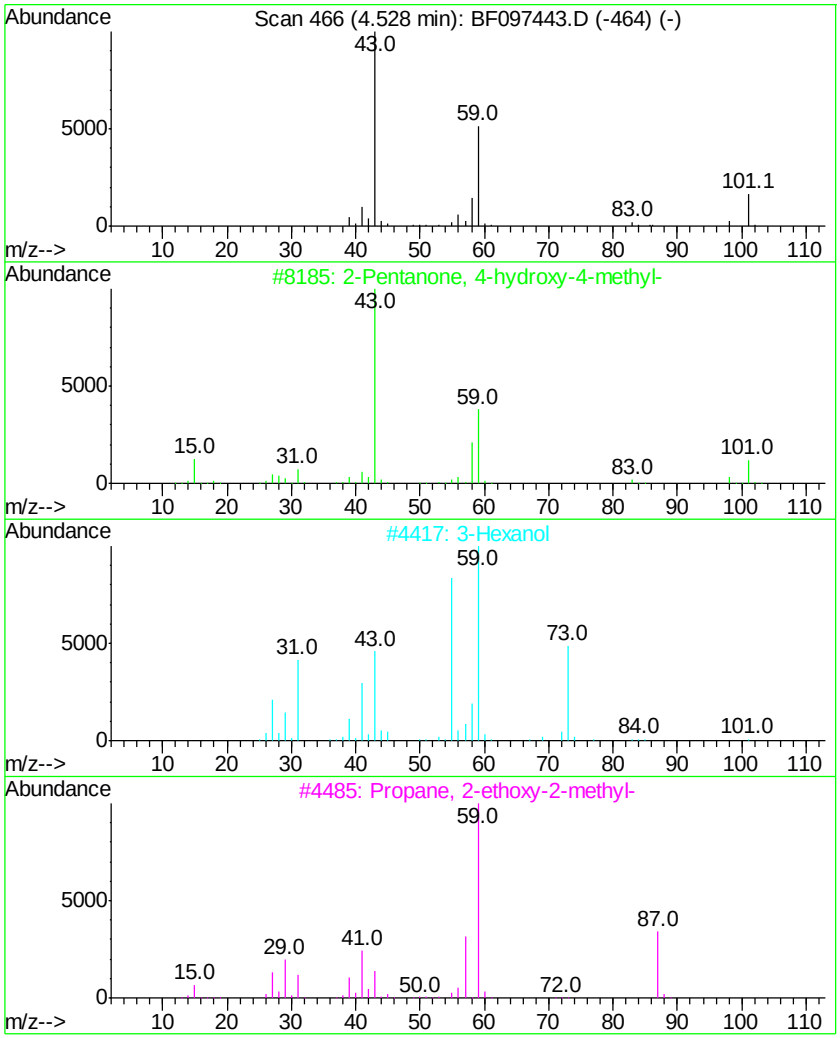
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

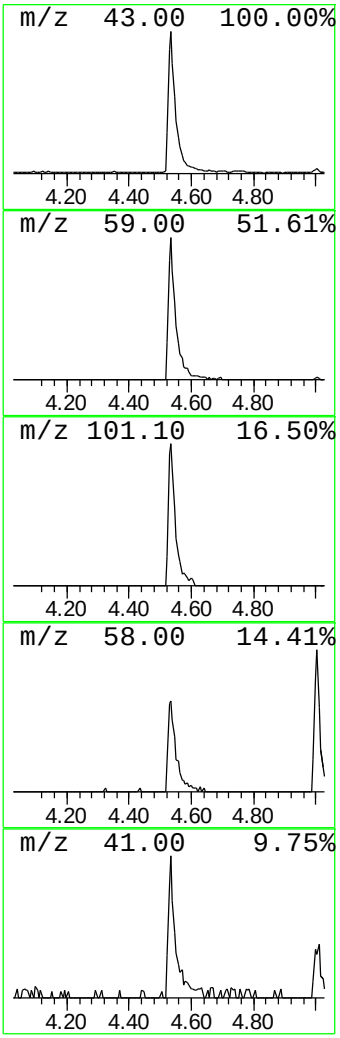
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	7.41 ng	211365	1,4-Dichlorobenzene-d4	6.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol	102	C6H14O	000623-37-0	33
3	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	32
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

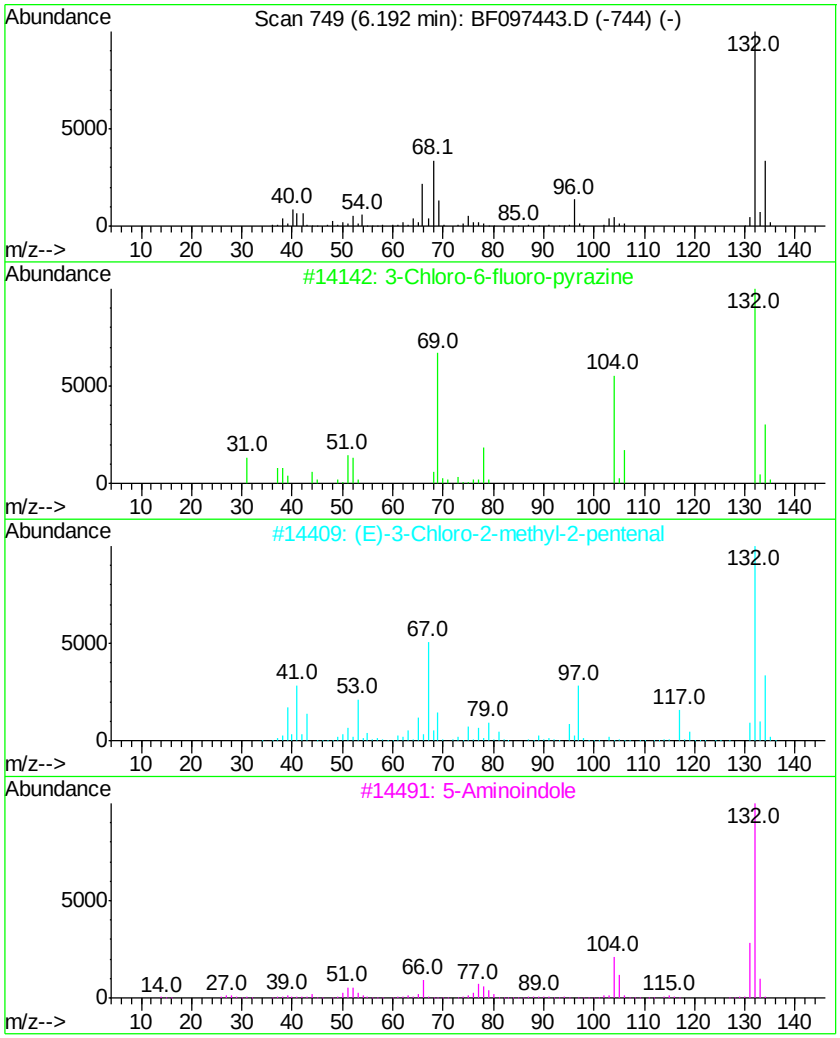
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

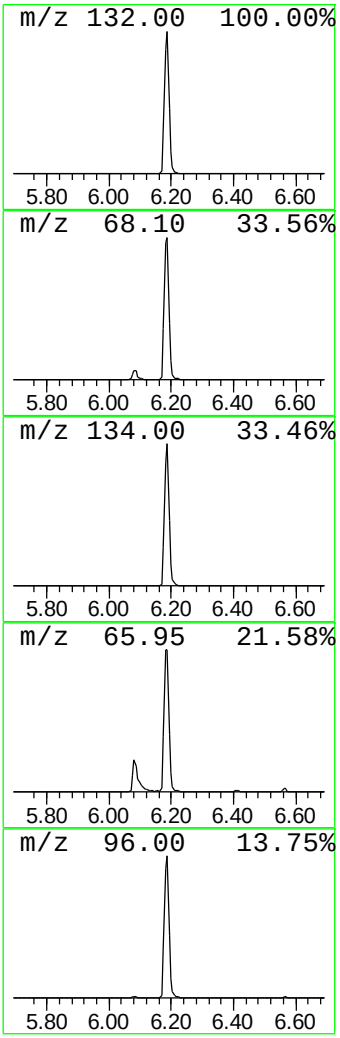
****

Peak Number 2 unknown6.19 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	68.13 ng	1942850	1,4-Dichlorobenzene-d4	6.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

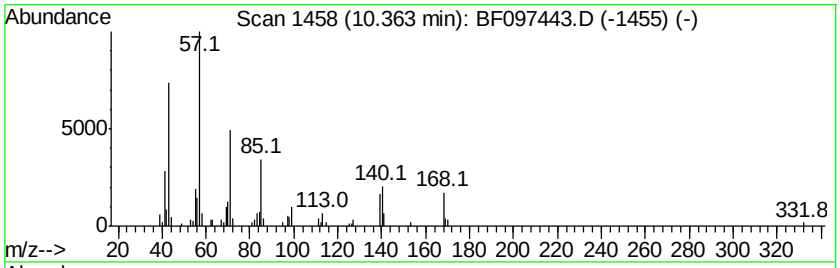
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

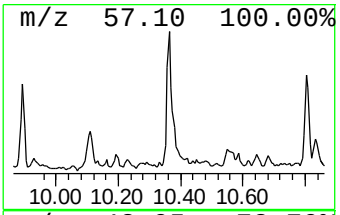
****

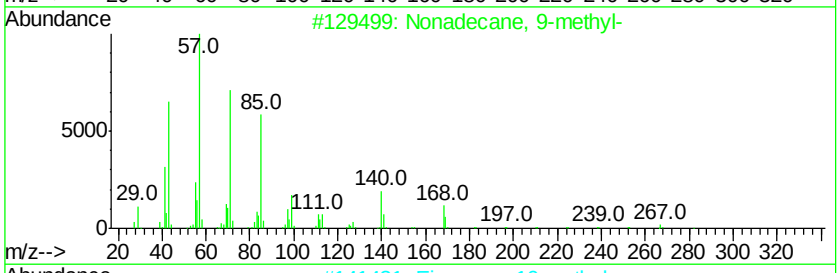
Peak Number 4 Nonadecane, 9-methyl- Concentration Rank 9

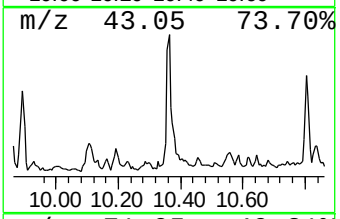
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	4.02 ng	120363	Phenanthrene-d10	10.91

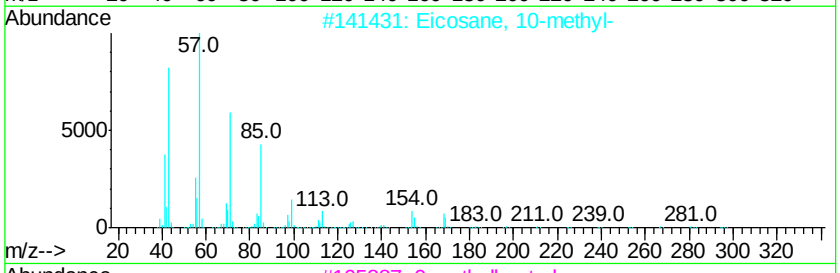
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	80
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	62
3	9-methylheptadecane	254	C18H38	026741-18-4	58
4	Heptacosane	380	C27H56	000593-49-7	52
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52

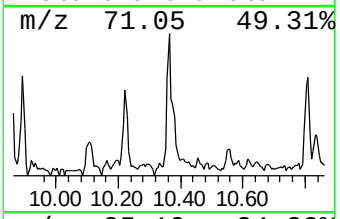


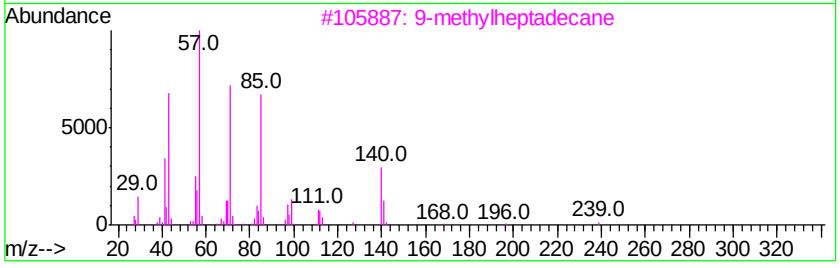


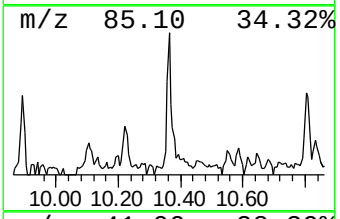


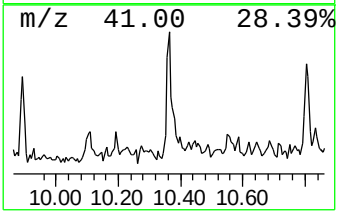












Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

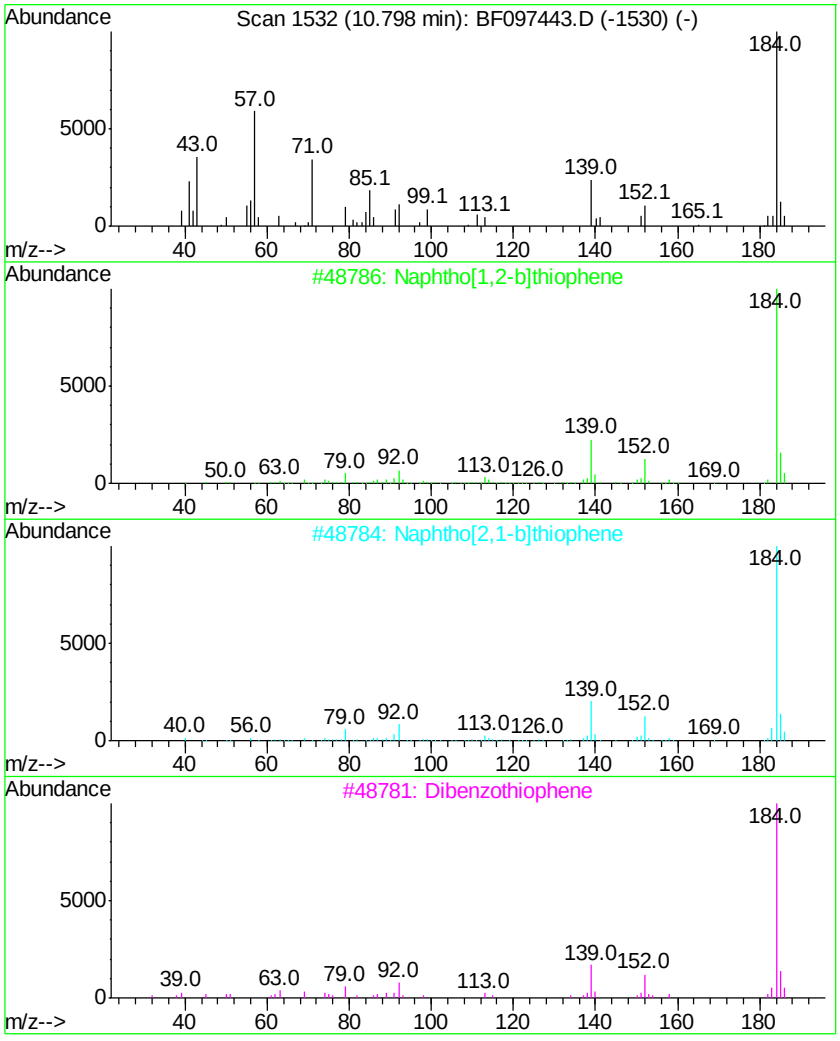
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

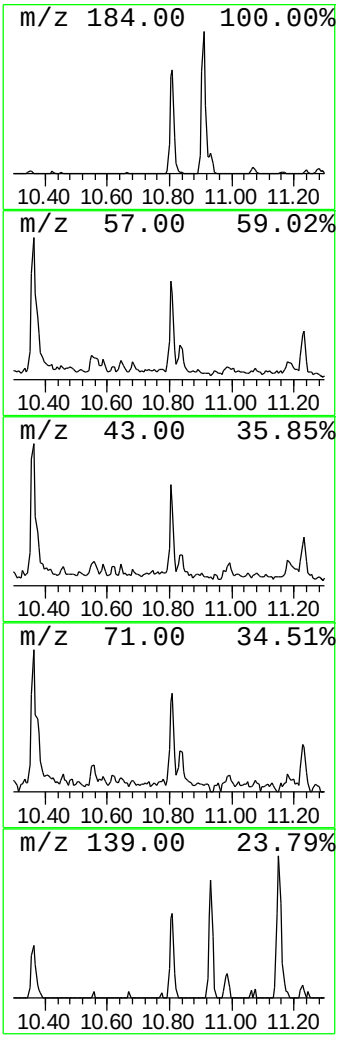
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.35 ng	100335	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

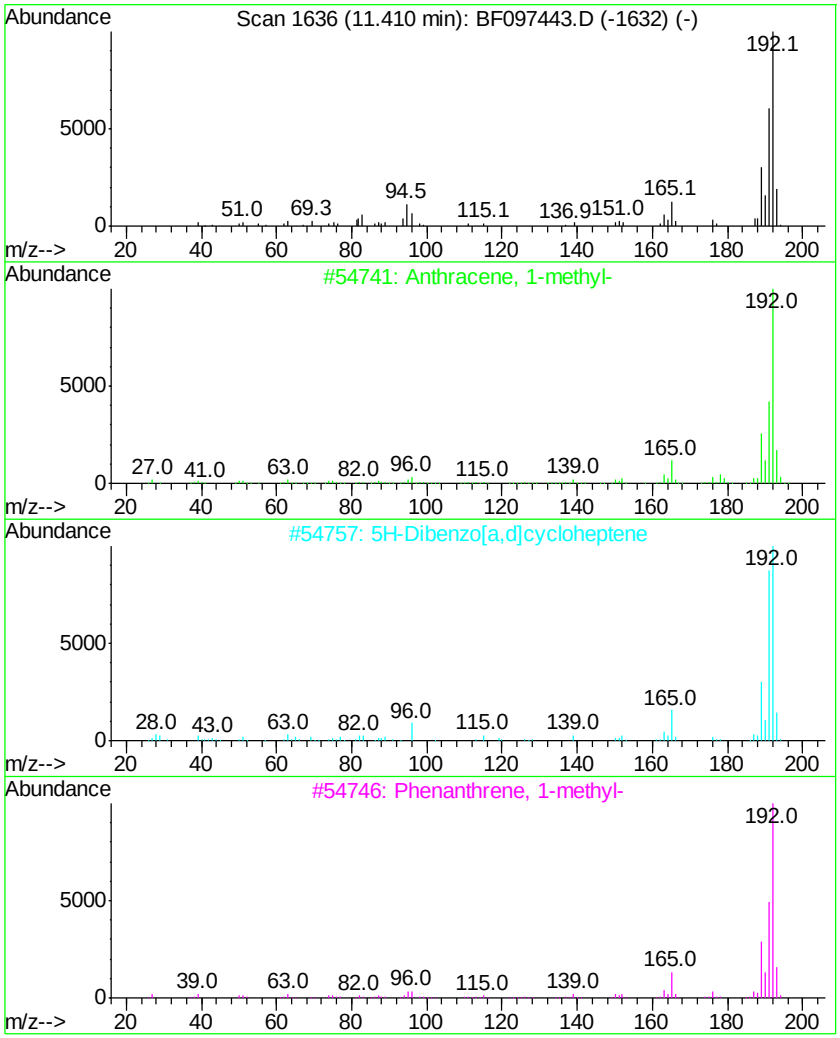
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

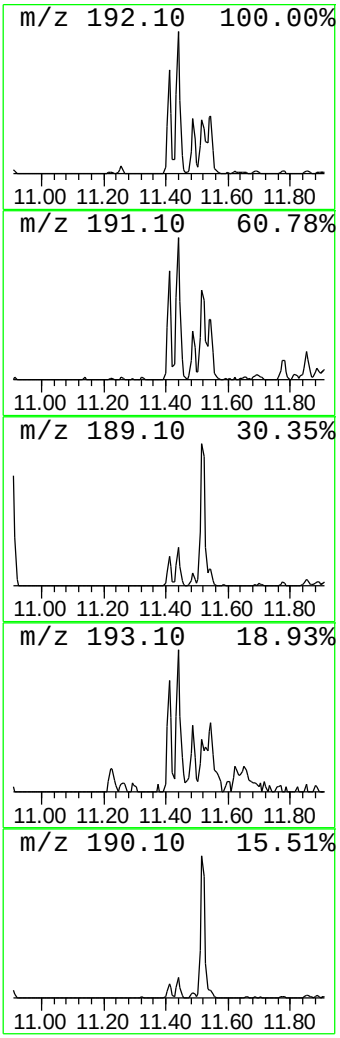
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	3.00 ng	89744	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

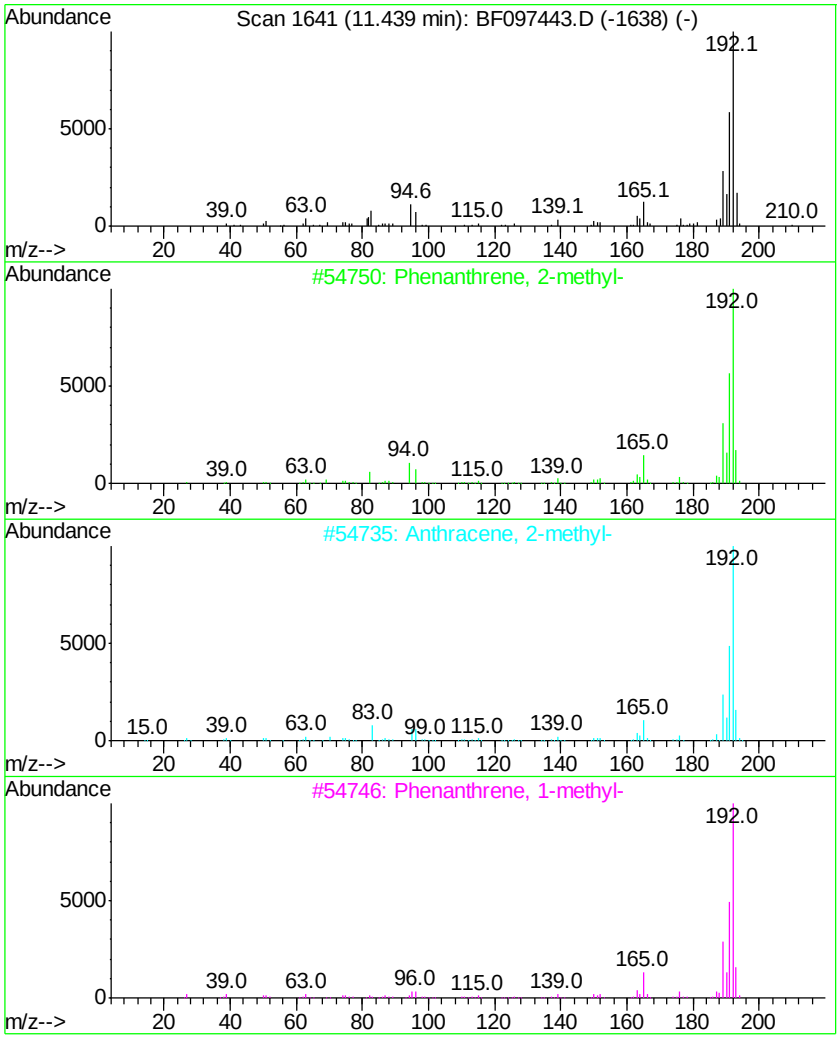
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

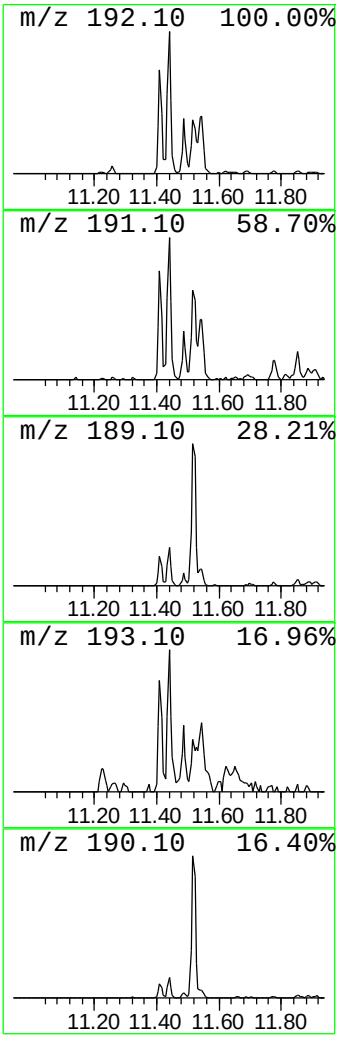
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	4.76 ng	142425	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

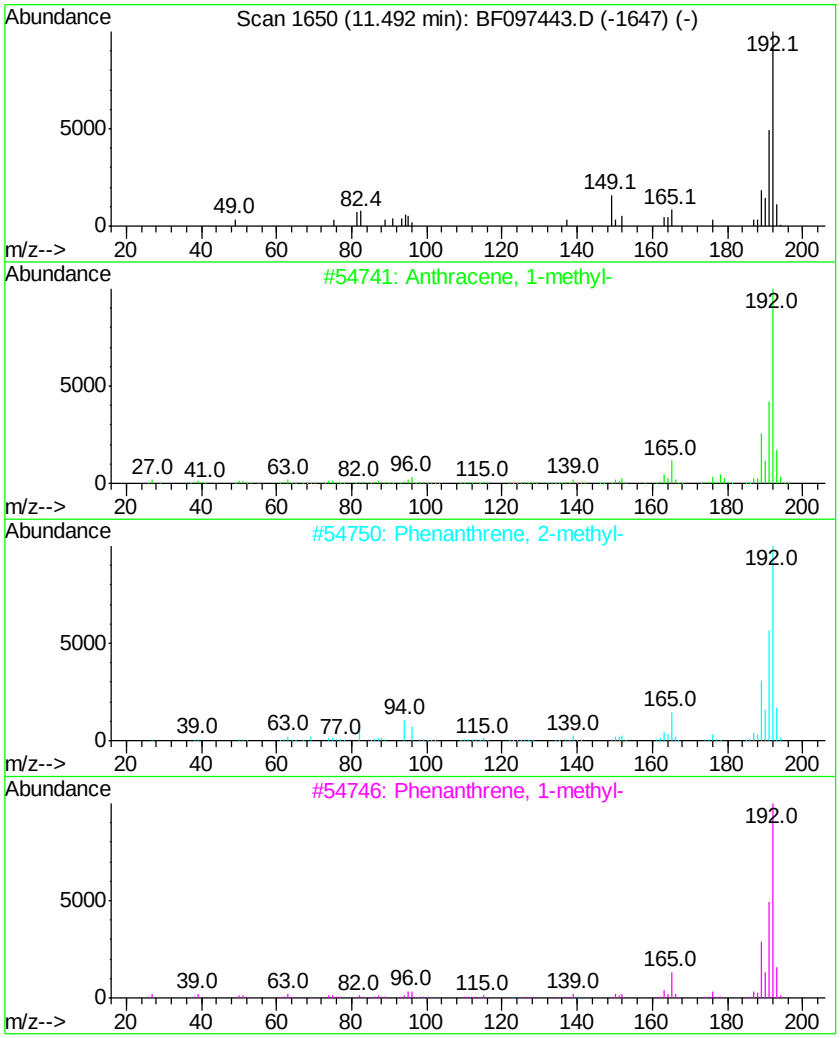
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

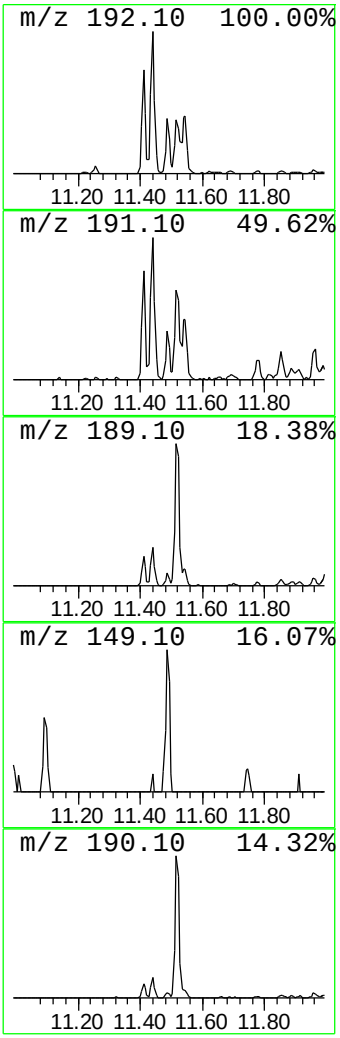
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	2.40 ng	71863	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

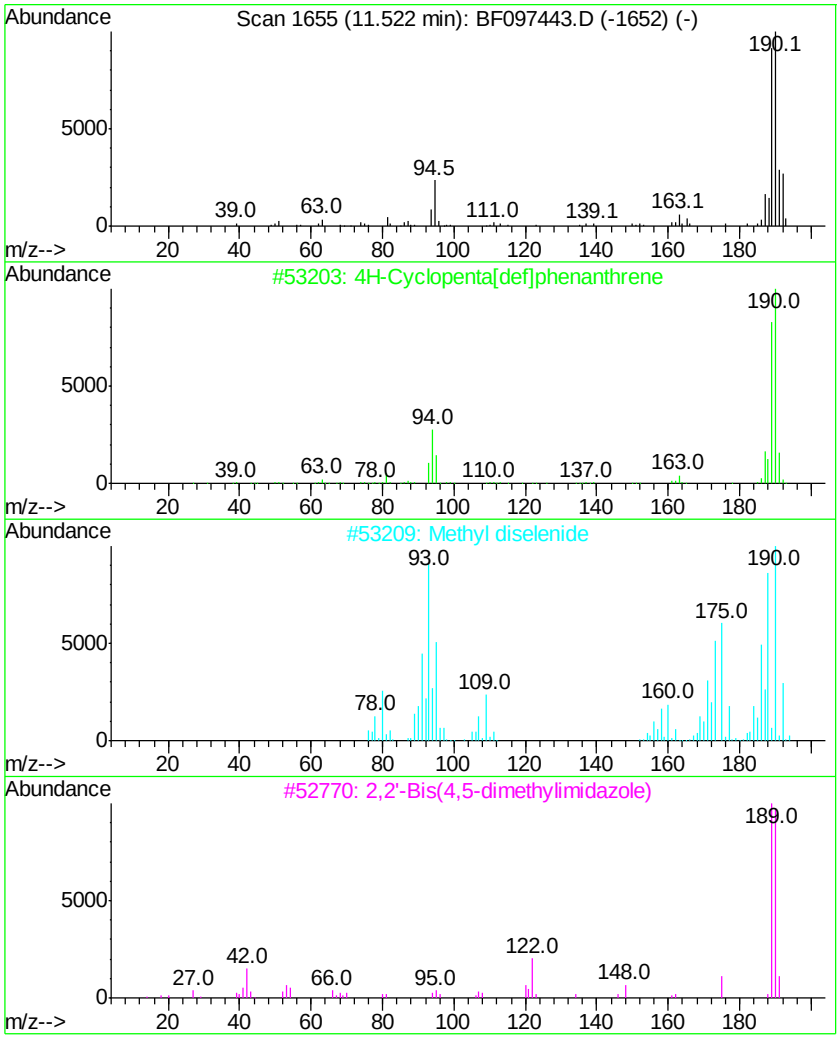
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

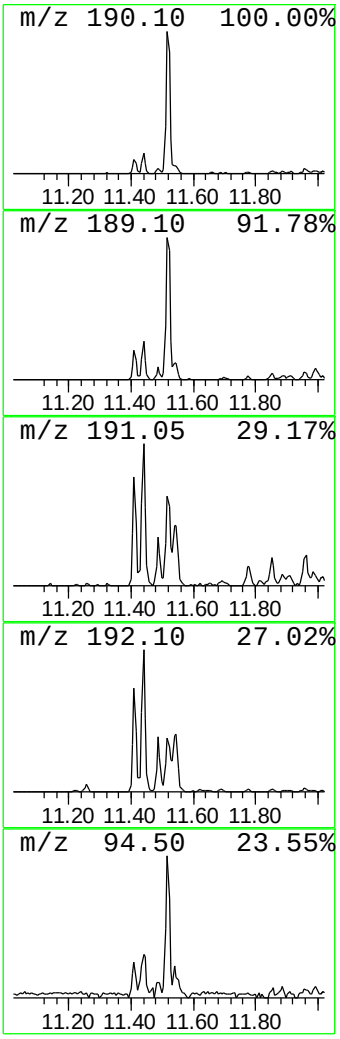
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	7.31 ng	218762	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	41
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	28
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

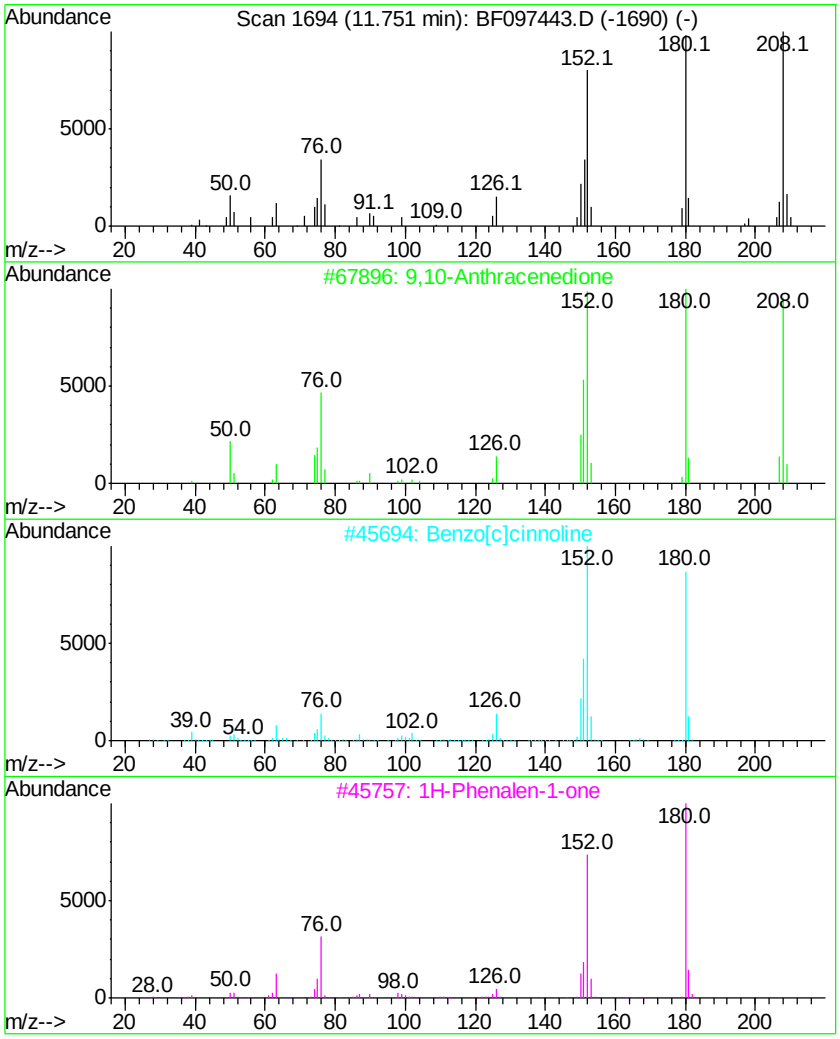
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

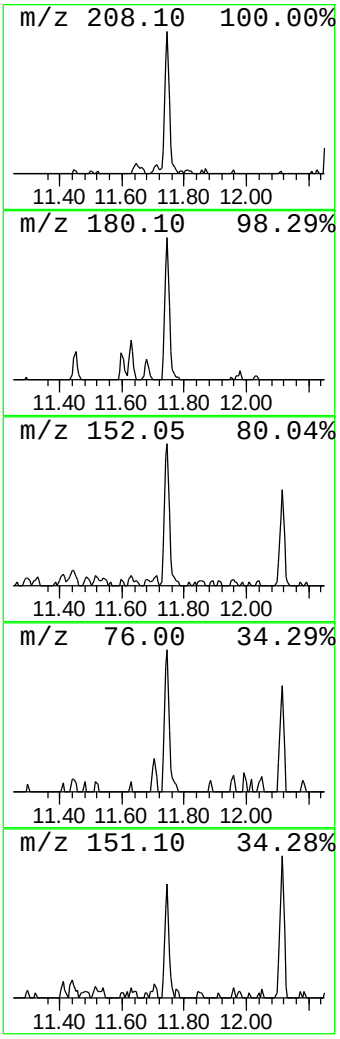
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.70 ng	80749	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

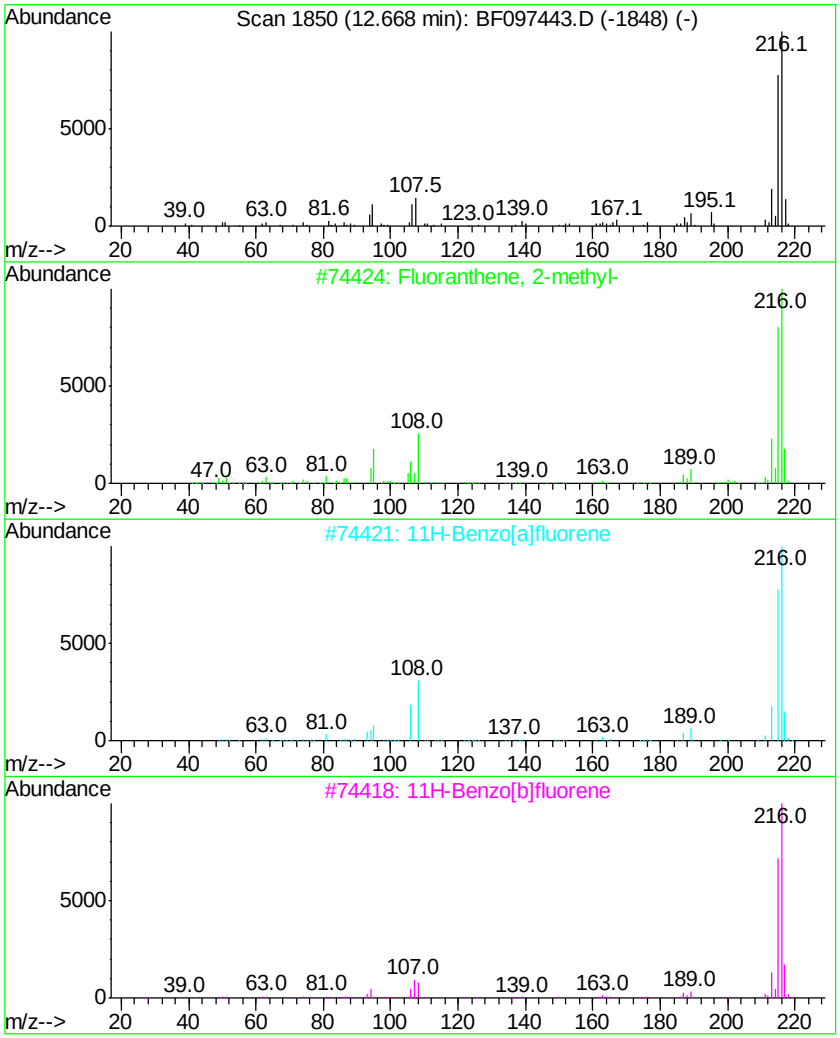
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

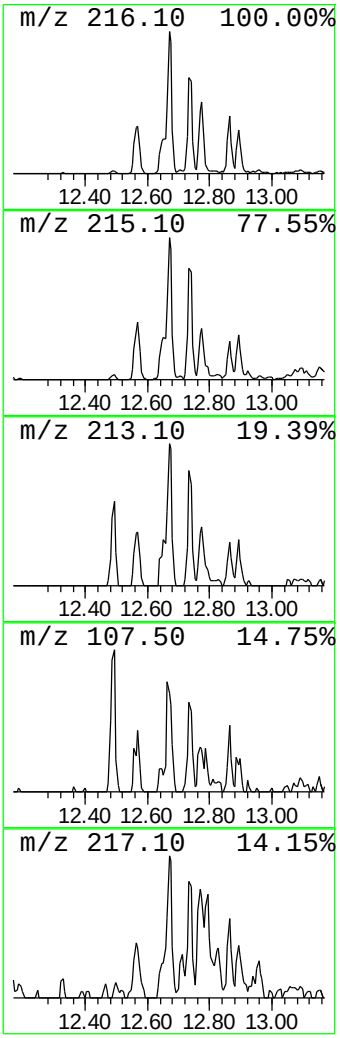
****

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.38 ng	167749	Chrysene-d12	13.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

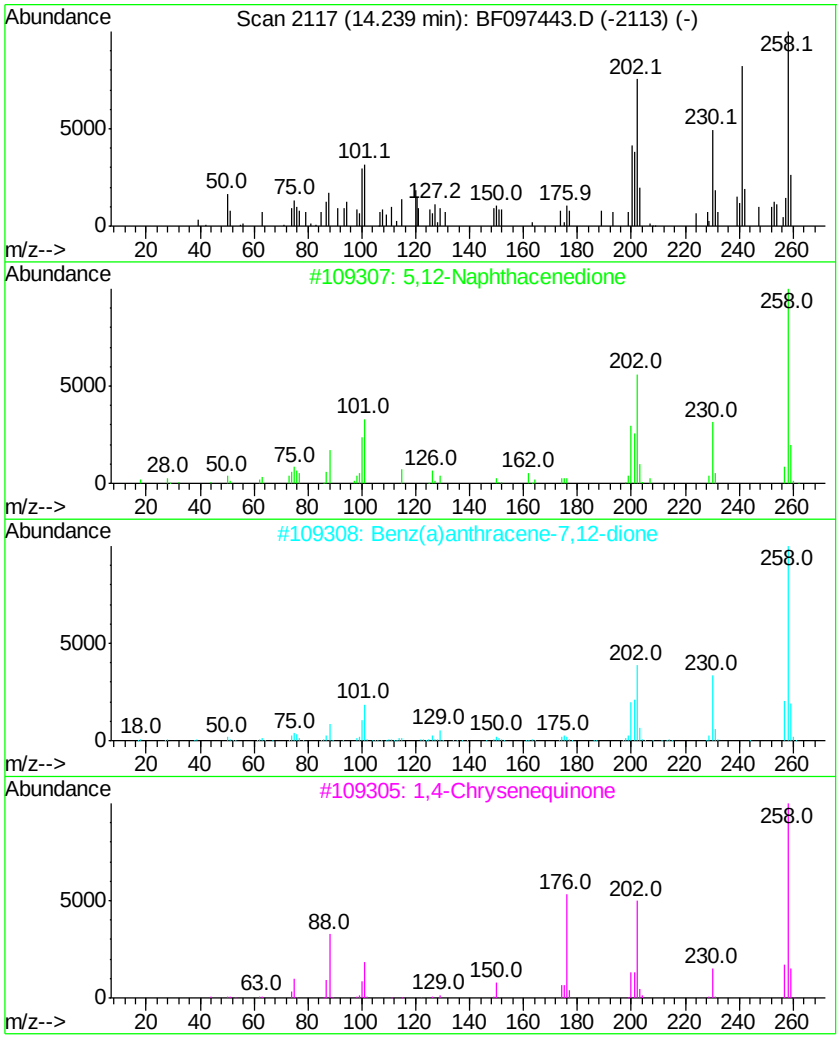
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

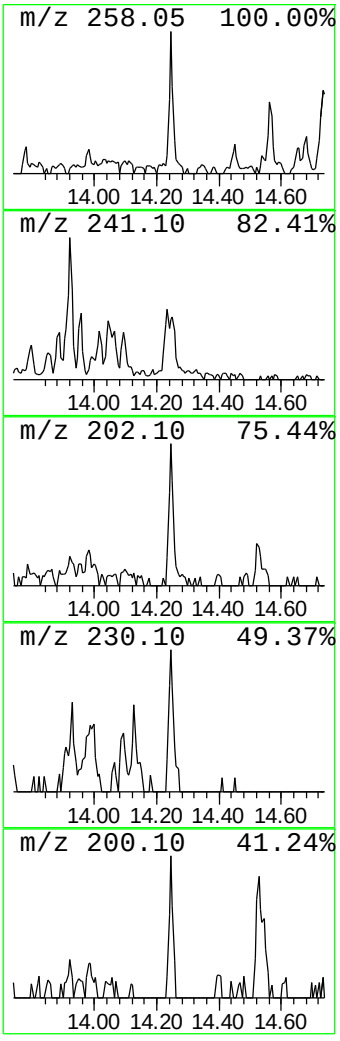
****

Peak Number 12 5,12-Naphthacenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	3.68 ng	90246	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	50
4	Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	49
5	4,5,7,8,9,10-Hexahydrobenzo[a]py...	258	C20H18	073712-75-1	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

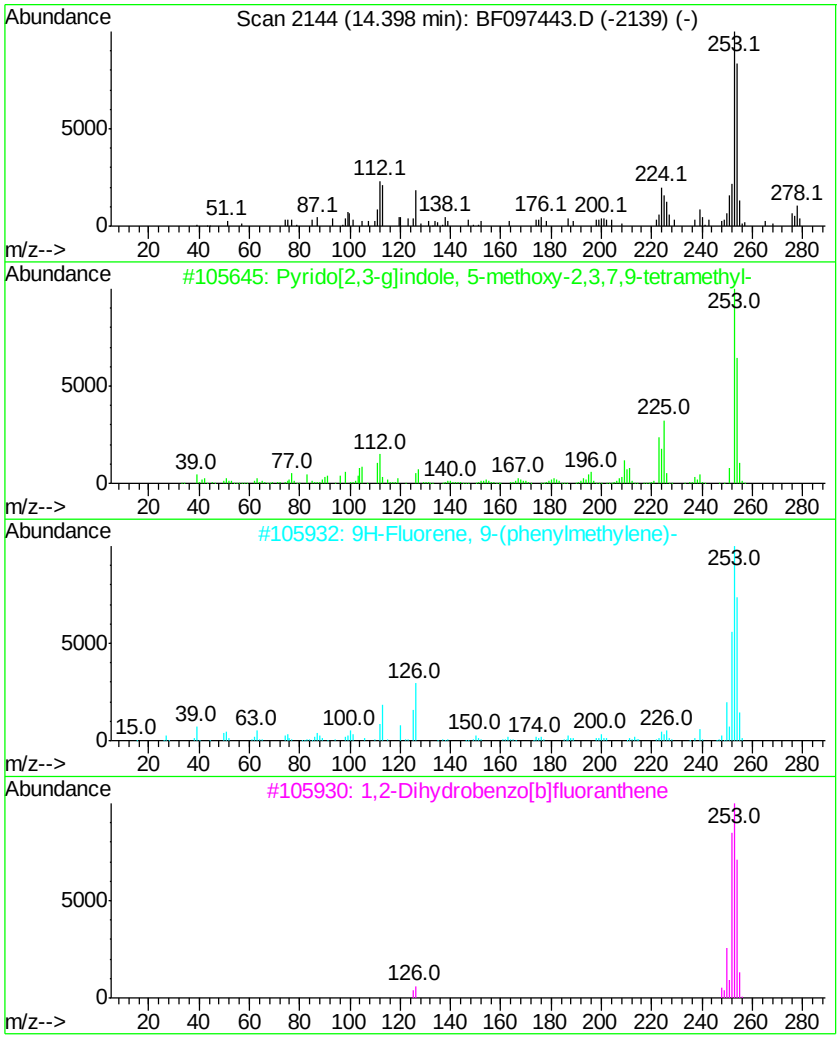
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

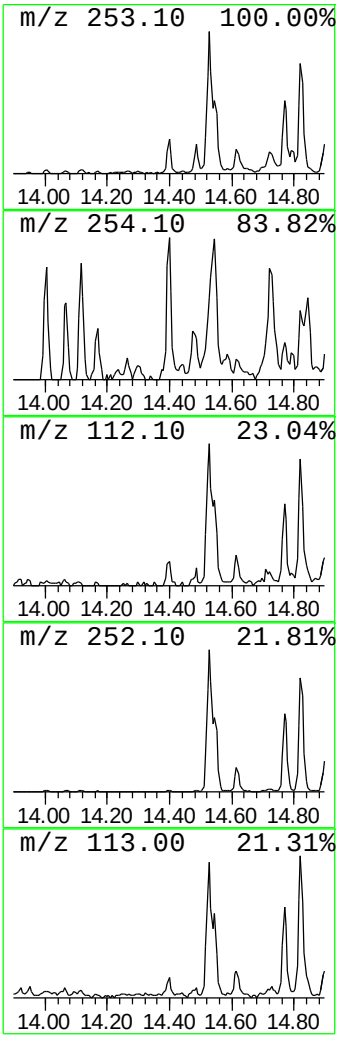
****

Peak Number 13 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.96 ng	72543	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	53
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

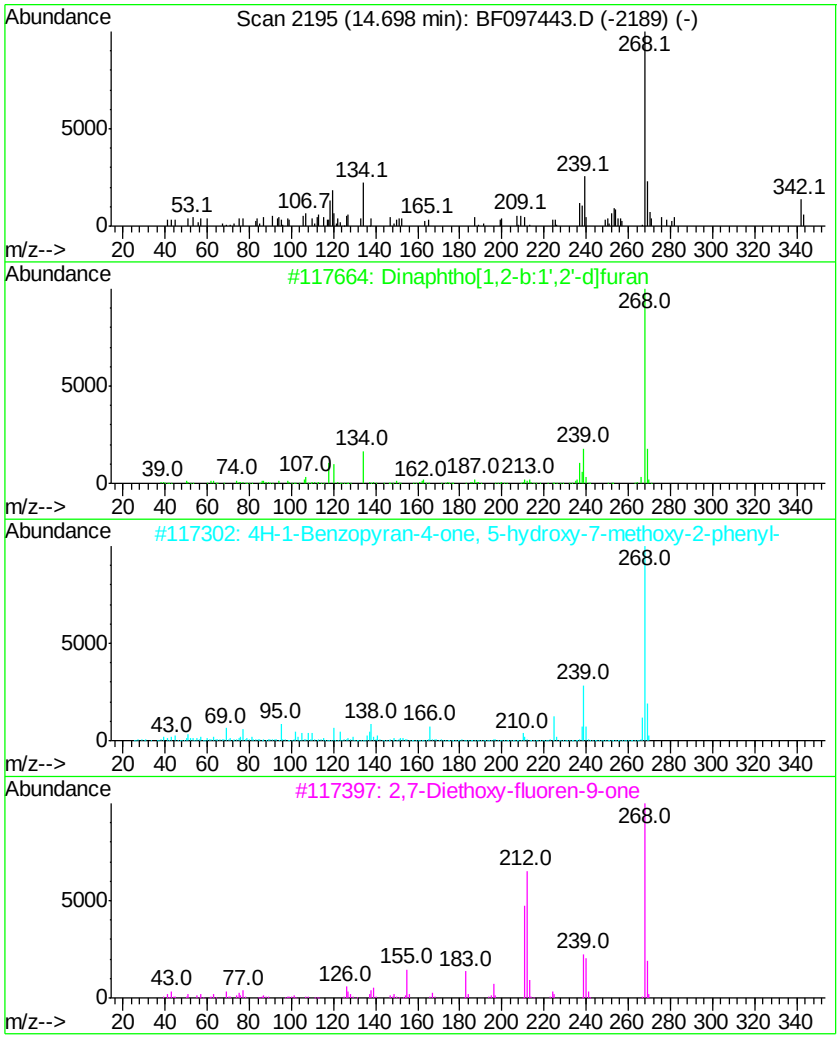
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

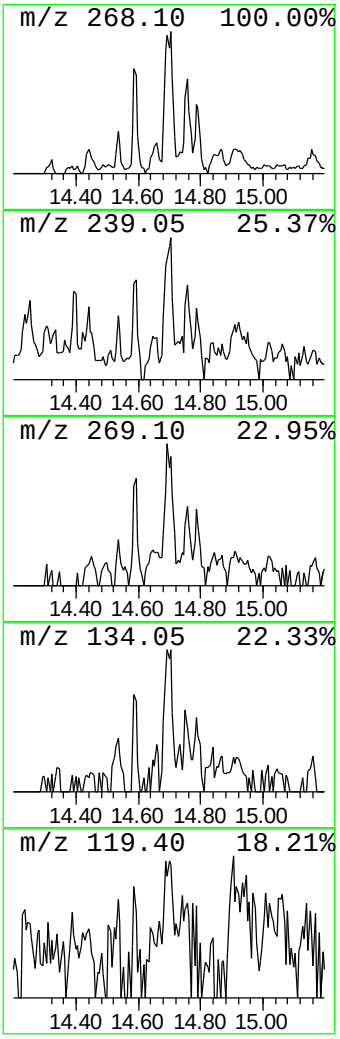
****

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.29 ng	80672	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
3	2,7-Diethoxy-fluoren-9-one	268	C17H16O3	1000317-69-6	52
4	7,9-Diamino-5,6-dihydronaphtho[2...	268	C14H12N4S	037071-29-7	52
5	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

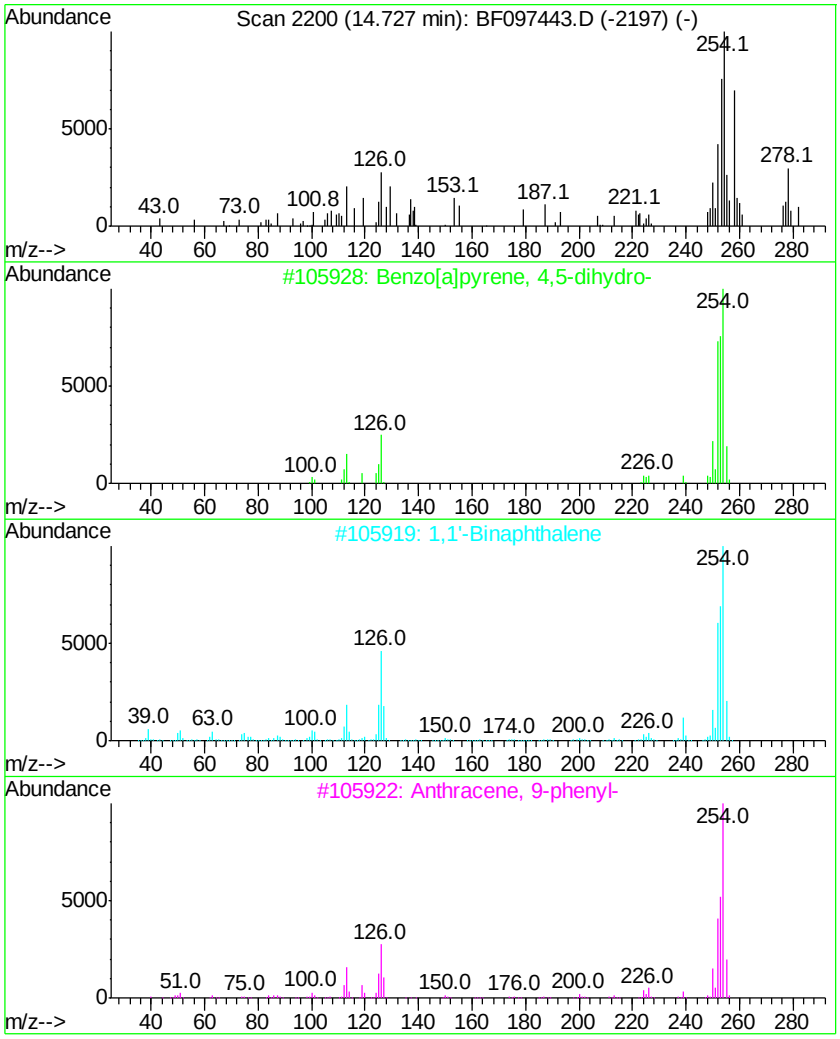
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

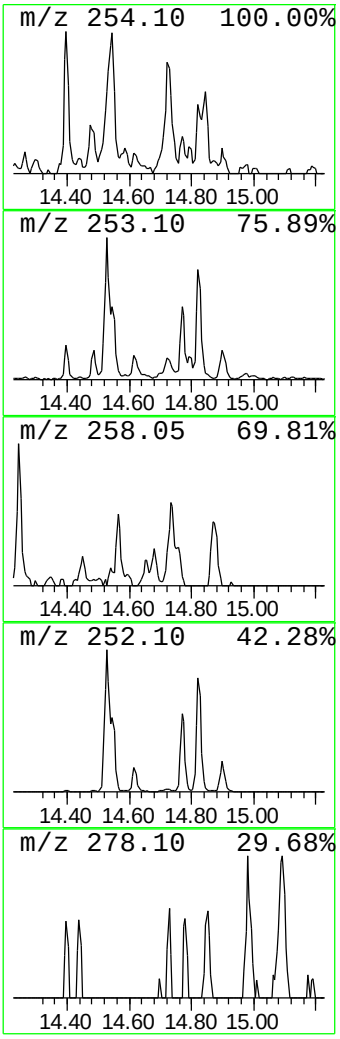
****

Peak Number 16 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.08 ng	75492	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	50
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

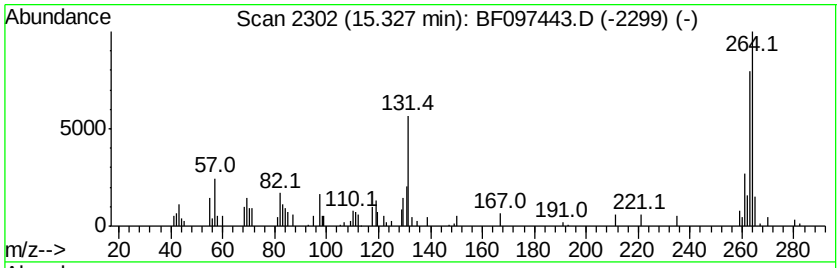
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

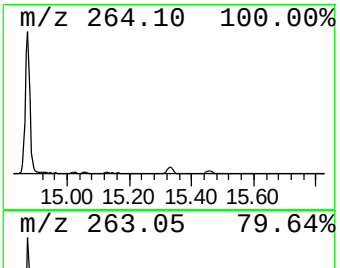
****

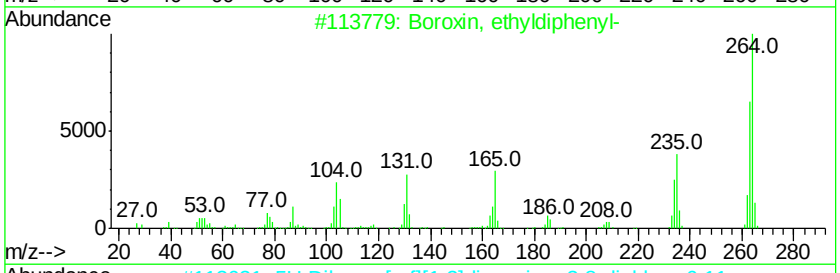
Peak Number 18 unknown15.33 Concentration Rank 14

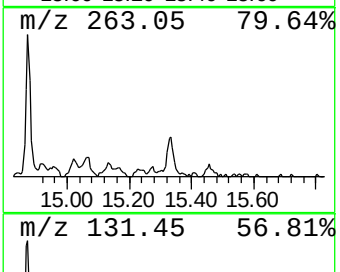
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.06 ng	75043	Perylene-d12	14.87

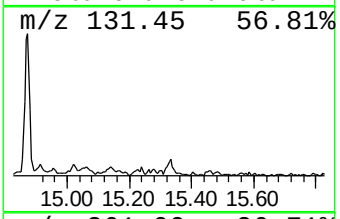
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	40
2	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	27
3	Phenothiazine, 2-chloro-3-methoxy-	263	C13H10ClNOS	017800-08-7	27
4	1,3-Butanedione, 1-phenyl-2-[(ph...	265	C17H15NO2	101441-99-0	22
5	2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	16

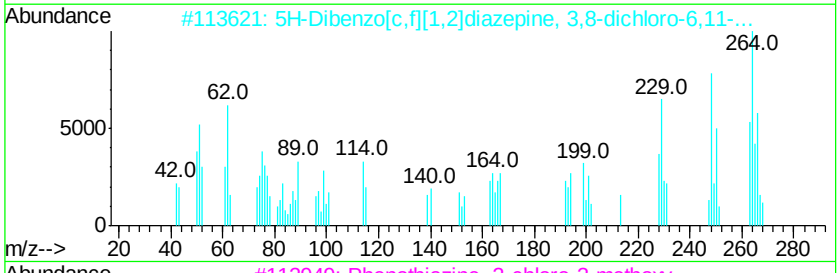


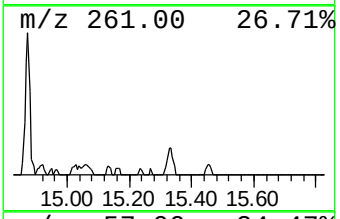


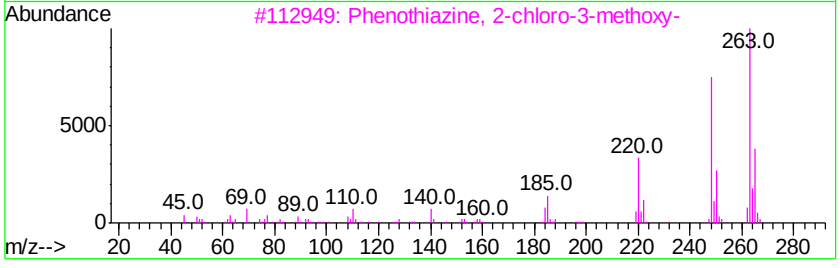


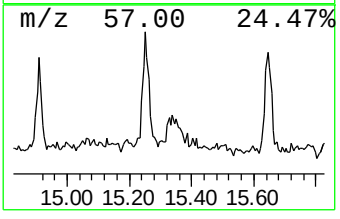












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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

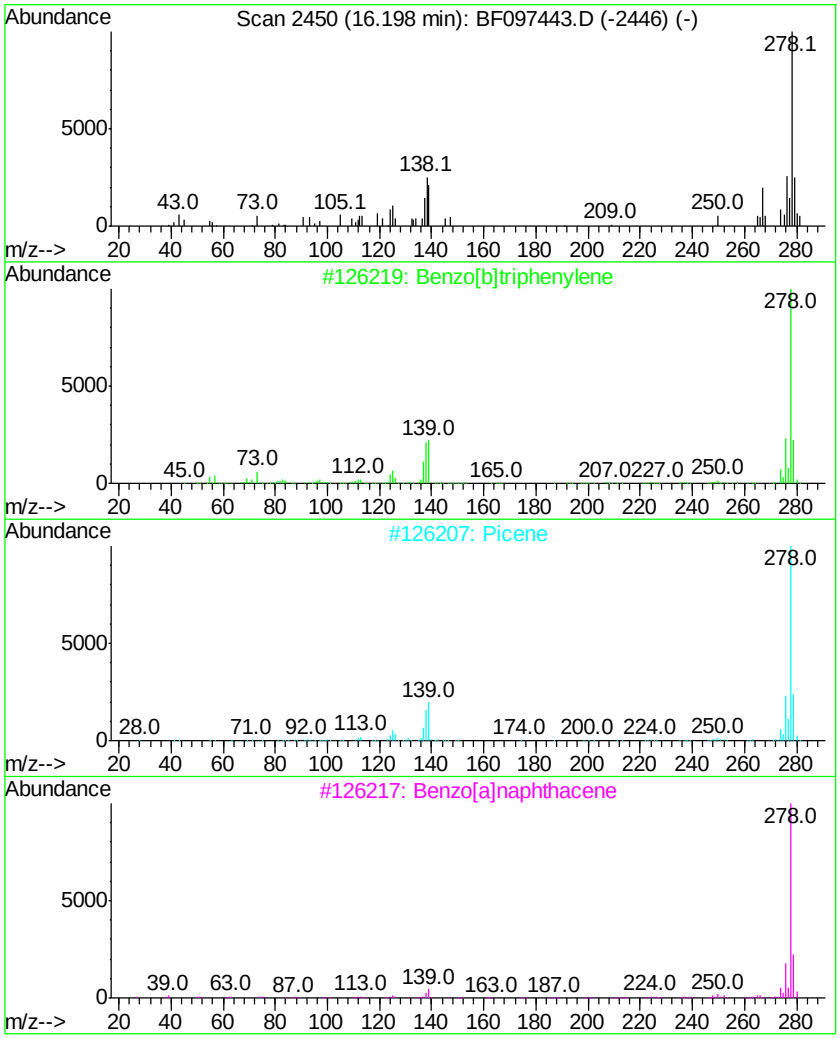
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

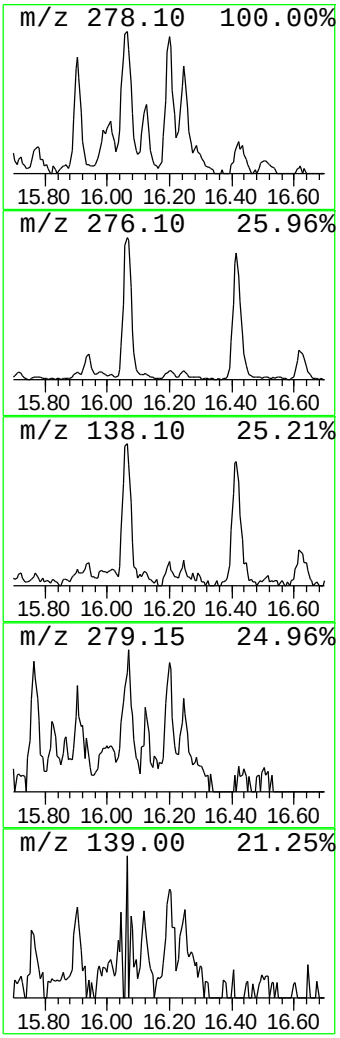
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.48 ng	60808	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	68
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	58
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
5	Pentacene	278	C22H14	000135-48-8	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080717\
Data File : BF097443.D
Acq On : 7 Aug 2017 21:48
Operator : SJ/JU
Sample : I4623-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-WN

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
2-Pentanone, 4-hy...	4.53	7.4	ng	211365	1	6.41	570308	20.0
unknown6.19	6.19	68.1	ng	1942850	1	6.41	570308	20.0
Nonadecane, 9-met...	10.36	4.0	ng	120363	4	10.91	598652	20.0
Naphtho[1,2-b]thi...	10.80	3.4	ng	100335	4	10.91	598652	20.0
Anthracene, 1-met...	11.41	3.0	ng	89744	4	10.91	598652	20.0
Phenanthrene, 2-m...	11.44	4.8	ng	142425	4	10.91	598652	20.0
Phenanthrene, 1-m...	11.49	2.4	ng	71863	4	10.91	598652	20.0
4H-Cyclopenta[def...	11.52	7.3	ng	218762	4	10.91	598652	20.0
9,10-Anthracenedione	11.75	2.7	ng	80749	4	10.91	598652	20.0
Fluoranthene, 2-m...	12.67	2.4	ng	167749	5	13.53	1407630	20.0
5,12-Naphthacened...	14.24	3.7	ng	90246	6	14.87	490858	20.0
Pyrido[2,3-g]indo...	14.40	3.0	ng	72543	6	14.87	490858	20.0
Dinaphtho[1,2-b:1...	14.70	3.3	ng	80672	6	14.87	490858	20.0
Benzo[a]pyrene, 4...	14.73	3.1	ng	75492	6	14.87	490858	20.0
unknown15.33	15.33	3.1	ng	75043	6	14.87	490858	20.0
Benzo[b]triphenylene	16.20	2.5	ng	60808	6	14.87	490858	20.0