LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-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-BF092317.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	2.134	5	8	26	rVB4	50829	158758	3.48%	0.512%
2	5.075	505	508	515	rBV	132614	139933	3.07%	0.451%
3	5.481	573	577	586	rBV	991227	899424	19.73%	2.900%
4	6.492	745	749	762	rBV	977592	925370	20.30%	2.983%
5	6.628	769	772	776	rBV	1047411	984573	21.60%	3.174%
6	6.863	808	812	815	rBV	523371	425986	9.35%	1.373%
7	7.016	834	838	842	rBV	893144	751375	16.49%	2.422%
8	7.422	903	907	911	rBV	653612	573944	12.59%	1.850%
9	8.145	1025	1030	1033	rBV	681681	596367	13.09%	1.923%
10	9.216	1207	1212	1215	rBV	1476352	1183244	25.96%	3.815%
11	9.610	1276	1279	1286	rVB	183123	150985	3.31%	0.487%
12	9.757	1301	1304	1308	rBV	64857	57030	1.25%	0.184%
13	9.898	1318	1328	1331	rBV	754521	655406	14.38%	2.113%
14	9.927	1331	1333	1337	rVB	63806	56117	1.23%	0.181%
15	10.104	1357	1363	1366	rBV2	54241	60996	1.34%	0.197%
16	10.445	1417	1421	1426	rVB	111592	92488	2.03%	0.298%
17	10.686	1458	1462	1468	rBV	681292	573992	12.59%	1.851%
18	10.792	1476	1480	1490	rBV4	39882	60044	1.32%	0.194%
19	10.992	1508	1514	1517	rBV3	39847	48338	1.06%	0.156%
20	11.386	1577	1581	1583	rBV	803802	696980	15.29%	2.247%
21	11.410	1583	1585	1588	rVV	815568	611930	13.43%	1.973%
22	11.463	1590	1594	1597	rVV	288043	250922	5.51%	0.809%
23	11.616	1616	1620	1626	rBV3	56606	78852	1.73%	0.254%
24	11.886	1661	1666	1668	rBV	166462	174339	3.83%	0.562%
25	11.916	1668	1671	1674	rVV	241286	234510	5.15%	0.756%
26	11.963	1676	1679	1682	rVV	117145	107410	2.36%	0.346%
27	11.998	1682	1685	1688	rVV2	256239	294800	6.47%	0.950%
28	12.021	1688	1689	1694	rVV	102291	60538	1.33%	0.195%
29	12.139	1703	1709	1713	rVV5	53948	146242	3.21%	0.471%
30	12.180	1713	1716	1719	rVV	117331	103923	2.28%	0.335%
31	12.210	1719	1721	1726	rVB	63938	59357	1.30%	0.191%
32	12.333	1736	1742	1744	rBV3	38310	49316	1.08%	0.159%
33	12.433	1753	1759	1762	rBV	114972	137877	3.03%	0.445%
34	12.474	1762	1766	1768	rVV2	77533	98693	2.17%	0.318%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.527	1771	1775	1779	rBV2	132860	158792	3.48%	0.512%
36	12.604	1783	1788	1791	rBV	1728609	1560196	34.23%	5.030%
37	12.692	1796	1803	1807	rVV4	190326	363474	7.98%	1.172%
38	12.833	1820	1827	1832	rVV2	1503036	1615391	35.44%	5.208%
39	12.874	1832	1834	1840	rVB2	92005	105880	2.32%	0.341%
40	12.968	1843	1850	1852	rBV	1259784	1240787	27.22%	4.000%
41	13.045	1852	1863	1871	rVV	1724659	4557544	100.00%	14.693%
42	13.133	1875	1878	1880	rVV4	117619	173203	3.80%	0.558%
43	13.157	1880	1882	1885	rVV	267507	232749	5.11%	0.750%
44	13.186	1885	1887	1890	rVV3	49852	63461	1.39%	0.205%
45	13.221	1890	1893	1895	rVV	220330	217914	4.78%	0.703%
46	13.257	1895	1899	1903	rVV3	216908	345476	7.58%	1.114%
47	13.351	1912	1915	1918	rBV	90953	81452	1.79%	0.263%
48	13.386	1918	1921	1924	rBV2	82775	82222	1.80%	0.265%
49	13.639	1960	1964	1966	rBV2	41057	51011	1.12%	0.164%
50	13.662	1966	1968	1972	rVB	145956	149820	3.29%	0.483%
51	13.774	1982	1987	1990	rBV2	188871	257527	5.65%	0.830%
52	13.804	1990	1992	1994	rVV	155379	143239	3.14%	0.462%
53	13.827	1994	1996	2000	rVV2	120751	171493	3.76%	0.553%
54	13.874	2001	2004	2008	rVV	141759	159251	3.49%	0.513%
55	13.945	2011	2016	2021	rVB2	32889	55728	1.22%	0.180%
56	14.021	2021	2029	2033	rBV2	916673	1498033	32.87%	4.830%
57	14.051	2033	2034	2042	rVV	623837	578162	12.69%	1.864%
58	14.133	2046	2048	2050	rVV	122549	100089	2.20%	0.323%
59	14.174	2052	2055	2060	rVV2	93094	152985	3.36%	0.493%
60	14.215	2060	2062	2064	rVV	61799	66381	1.46%	0.214%
61	14.239	2064	2066	2067	rVV	66464	58173	1.28%	0.188%
62	14.286	2071	2074	2076	rVV3	51859	55945	1.23%	0.180%
63	14.339	2079	2083	2087	rVV3	109031	178804	3.92%	0.576%
64	14.374	2087	2089	2091	rVV	72047	71907	1.58%	0.232%
65	14.409	2091	2095	2098	rVV	185981	237720	5.22%	0.766%
66	14.445	2098	2101	2104	rVV	107796	123863	2.72%	0.399%
67	14.492	2104	2109	2110	rVV4	57222	93323	2.05%	0.301%
68	14.509	2110	2112	2114	rVV	78428	80390	1.76%	0.259%
69	14.539	2114	2117	2118	rVV	93122	98574	2.16%	0.318%
70	14.557	2118	2120	2124	rVV2	95131	103806	2.28%	0.335%
71	14.604	2124	2128	2135	rVV4	58731	107192	2.35%	0.346%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.833	2165	2167	2172	rVB3	53947	72714	1.60%	0.234%
73	14.909	2176	2180	2187	rVB3	65434	113214	2.48%	0.365%
74	15.074	2203	2208	2211	rBV	538956	888388	19.49%	2.864%
75	15.180	2222	2226	2229	rBV	139943	144789	3.18%	0.467%
76	15.380	2255	2260	2266	rVB	291390	410296	9.00%	1.323%
77	15.439	2266	2270	2275	rVB	489153	568483	12.47%	1.833%
78	15.504	2275	2281	2284	rBV	319665	439462	9.64%	1.417%
79	15.533	2284	2286	2292	rVB2	131277	162799	3.57%	0.525%
80	15.933	2350	2354	2360	rVV4	27781	52587	1.15%	0.170%
81	16.792	2493	2500	2503	rBV4	30039	68537	1.50%	0.221%
82	16.827	2503	2506	2518	rVB4	34085	100304	2.20%	0.323%
83	16.986	2527	2533	2543	rBV2	226612	455270	9.99%	1.468%
84	17.162	2557	2563	2567	rBV	53981	106319	2.33%	0.343%
85	17.221	2568	2573	2578	rVB3	35163	66903	1.47%	0.216%
86	17.439	2603	2610	2619	rBV2	154732	338396	7.42%	1.091%
87	17.680	2647	2651	2664	rVB3	49399	137514	3.02%	0.443%

Sum of corrected areas: 31017991

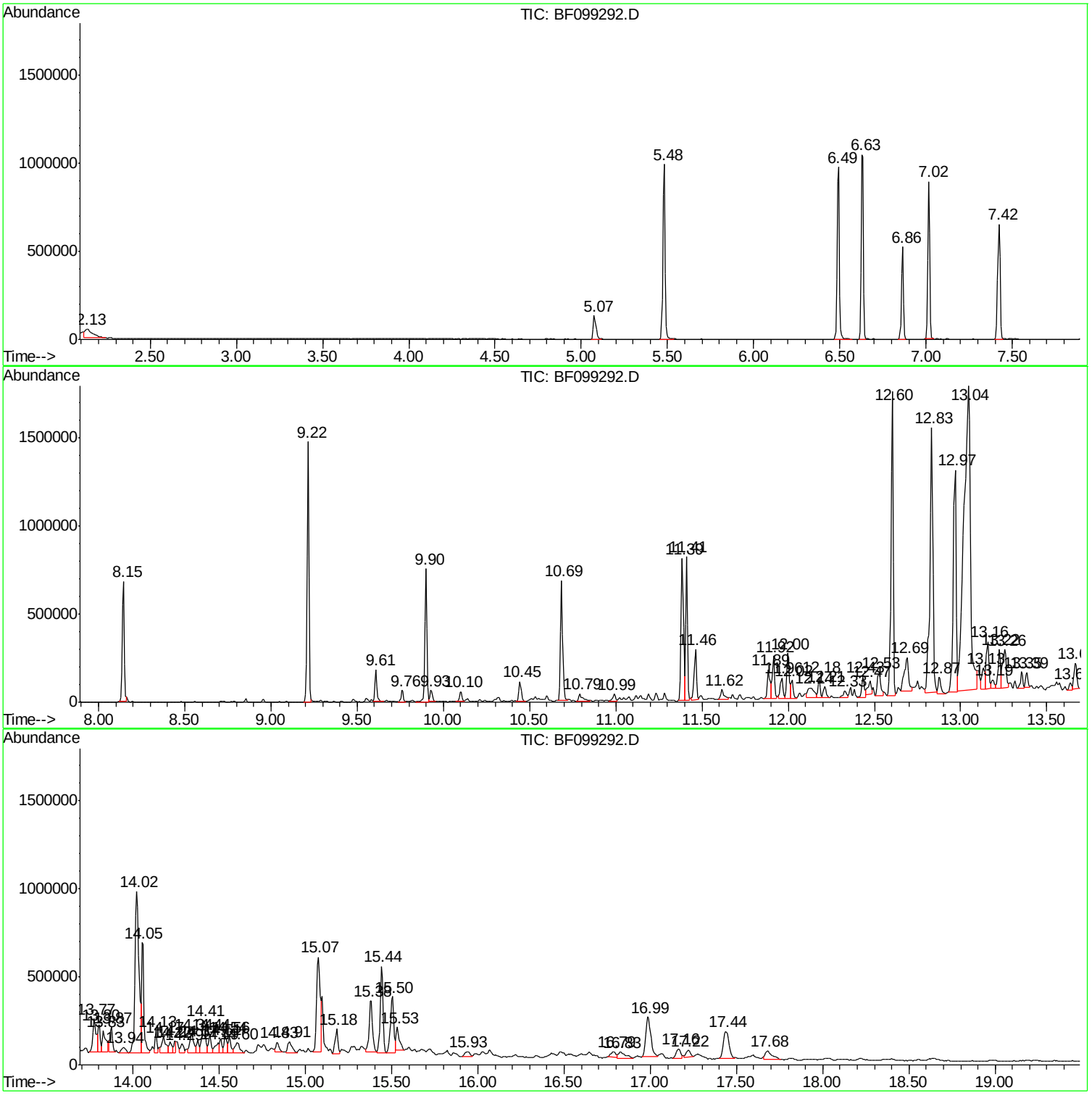
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

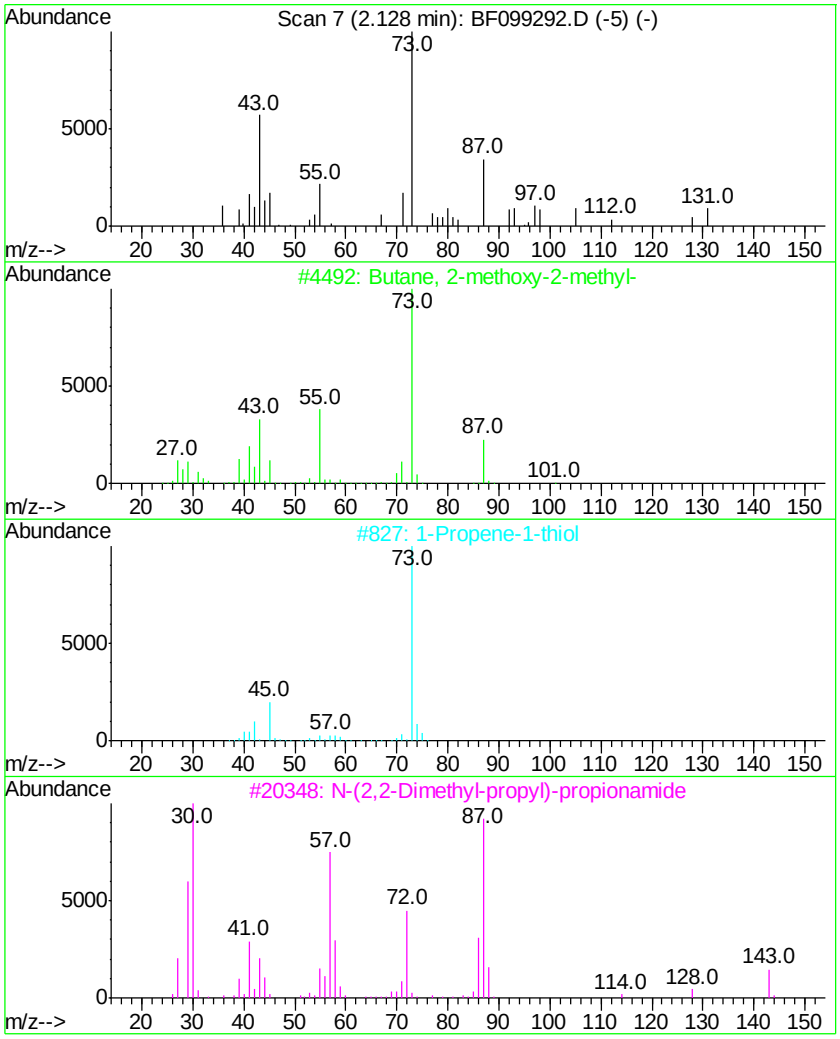
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

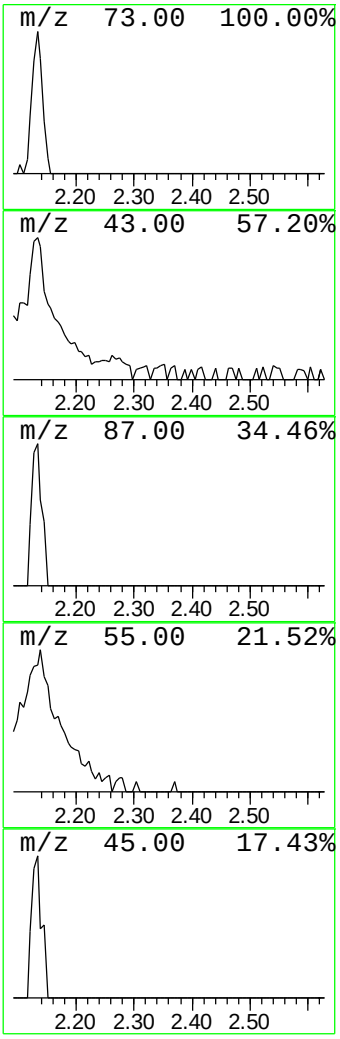
****

Peak Number 1 unknown2.13 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	7.45 ng	158758	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	25
2	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
3	N-(2,2-Dimethyl-propyl)-propiona...	143	C8H17NO	118764-26-4	9
4	Hexane, 2,5-dimethoxy-2,5-dimethyl-	174	C10H22O2	053273-13-5	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

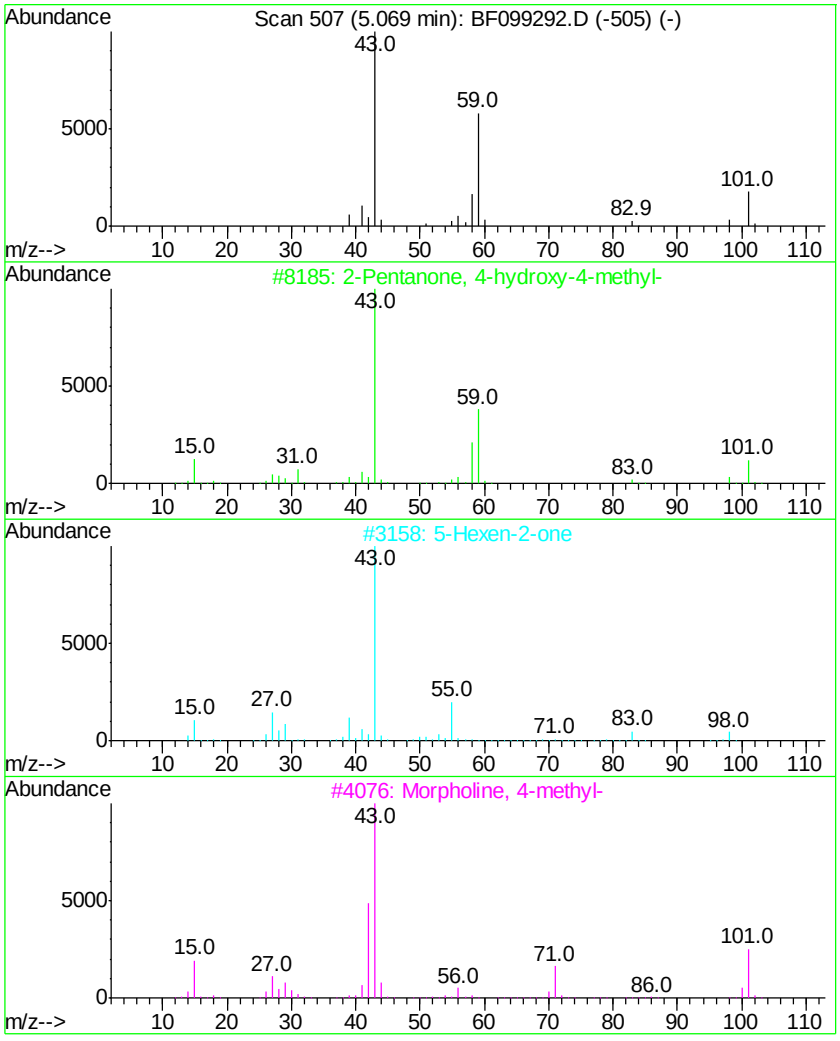
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

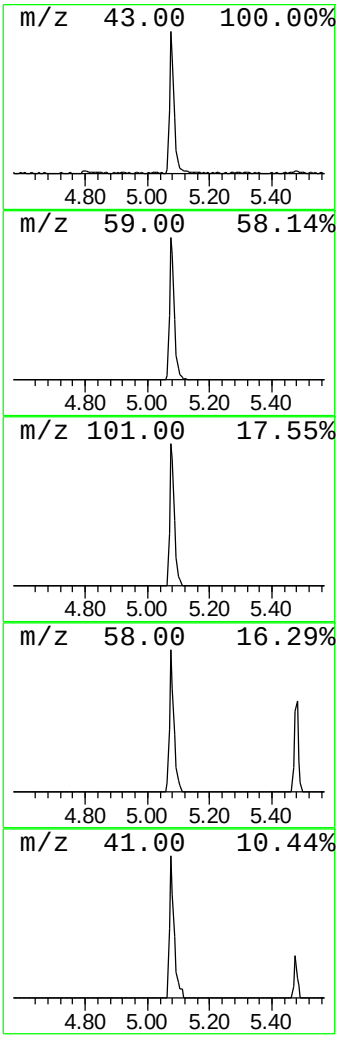
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.57 ng	139933	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	10
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
5	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

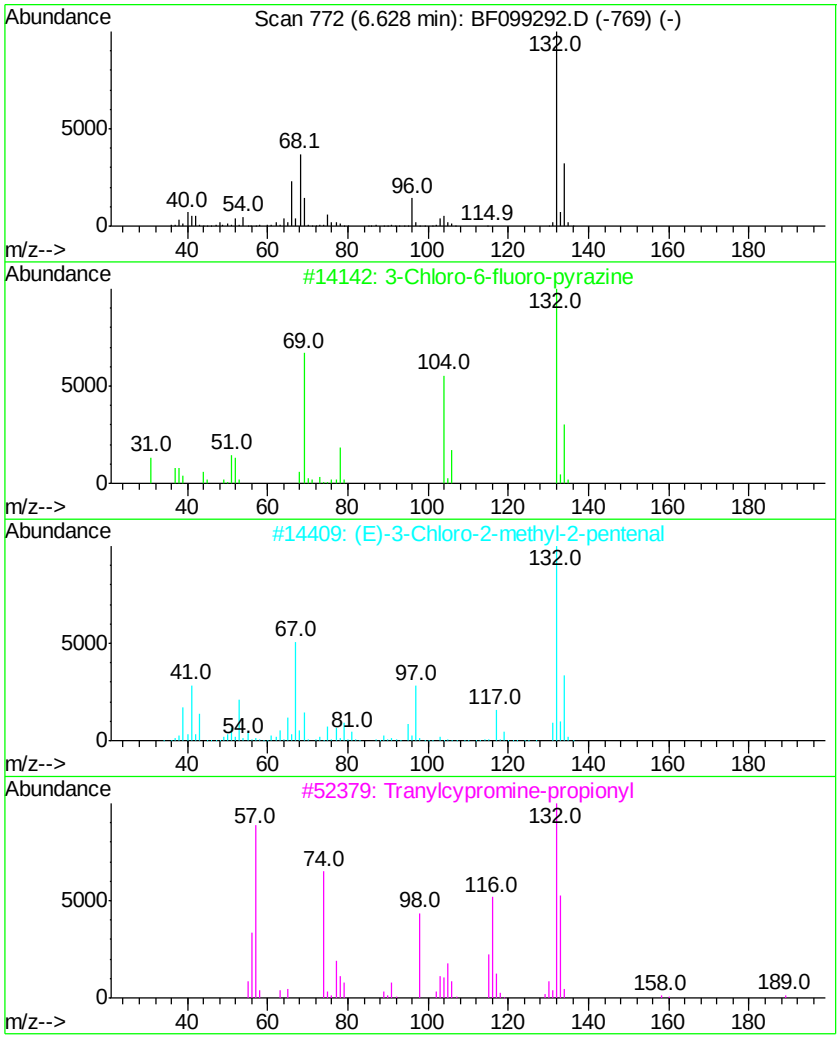
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

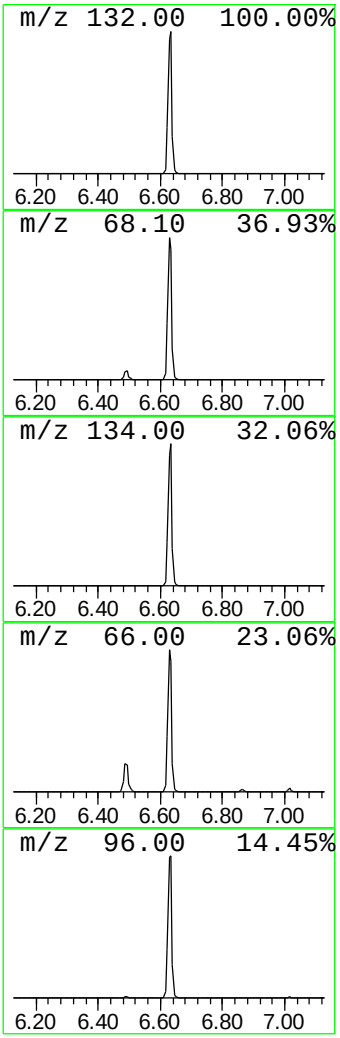
****

Peak Number 3 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	46.23 ng	984573	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

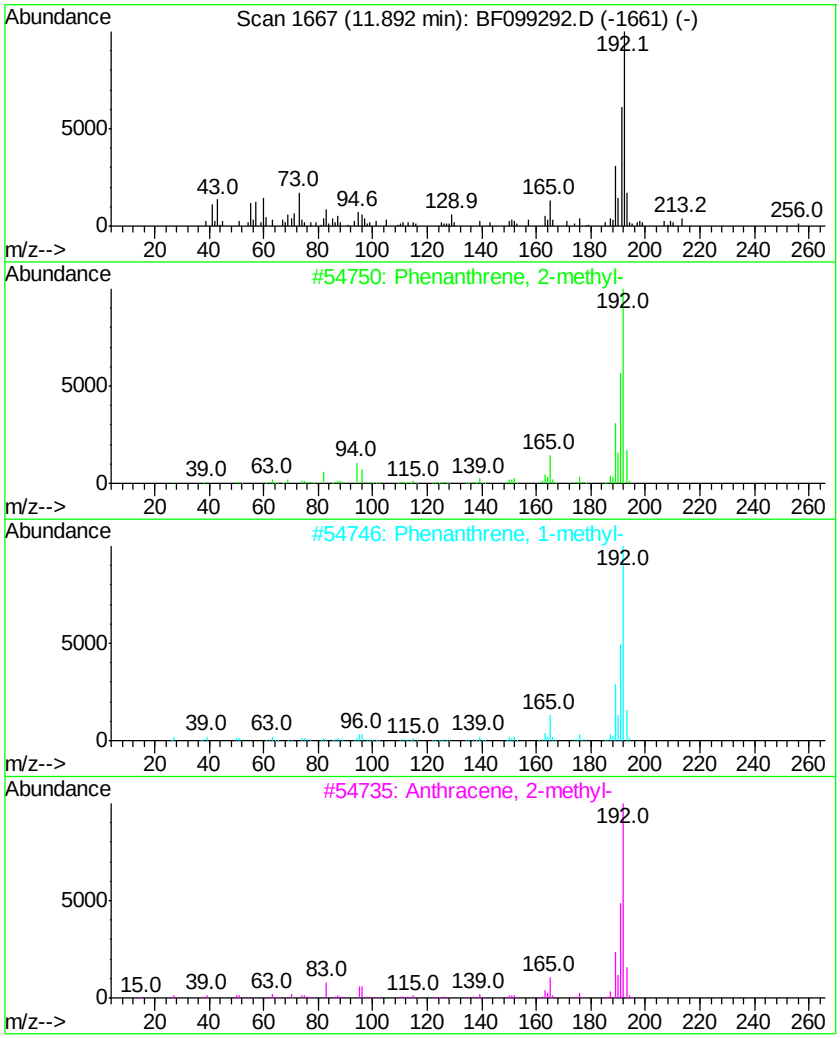
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

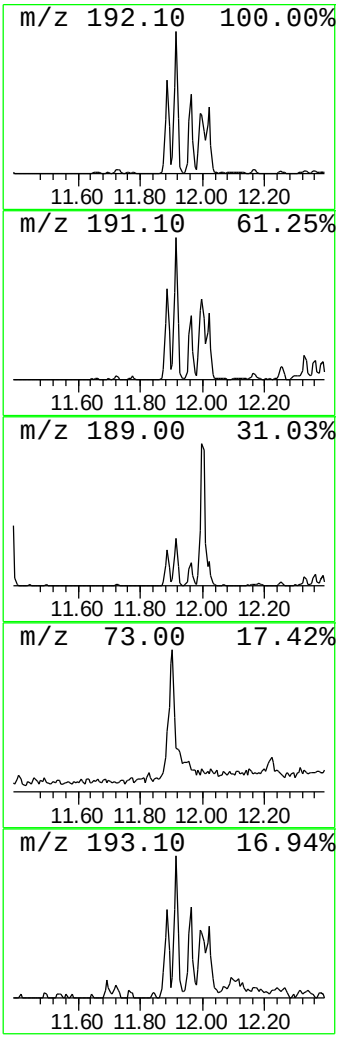
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.00 ng	174339	Phenanthrene-d10	11.39

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

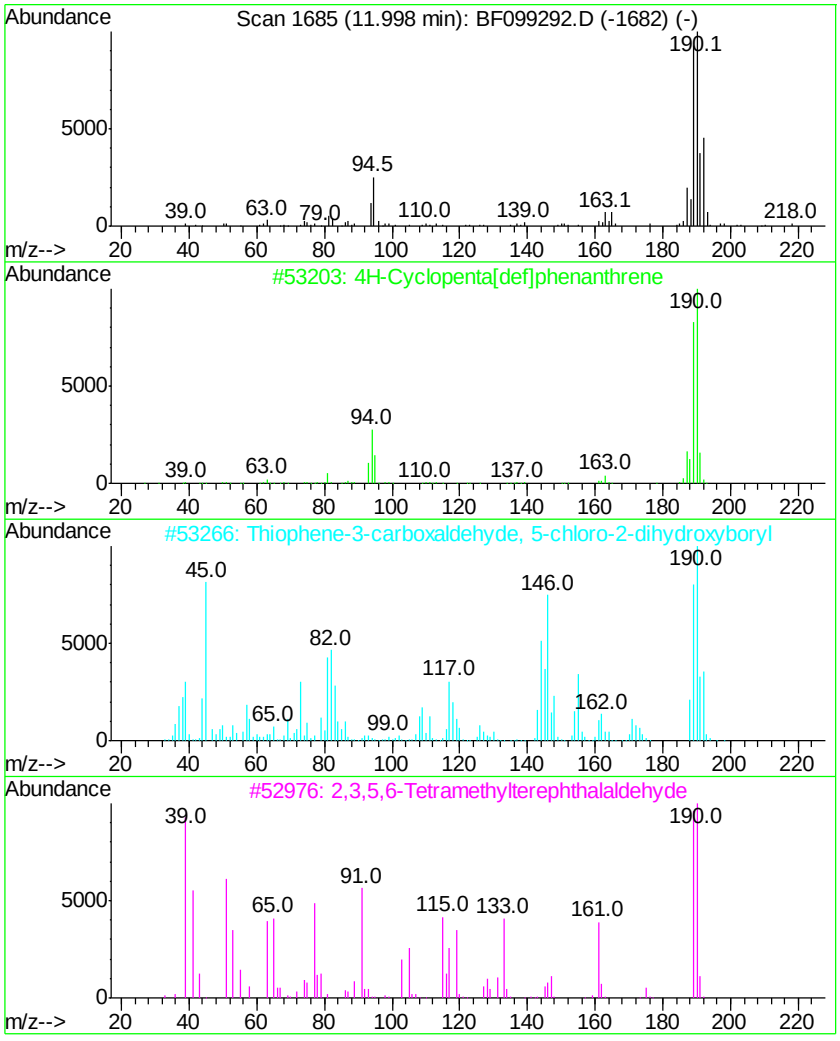
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

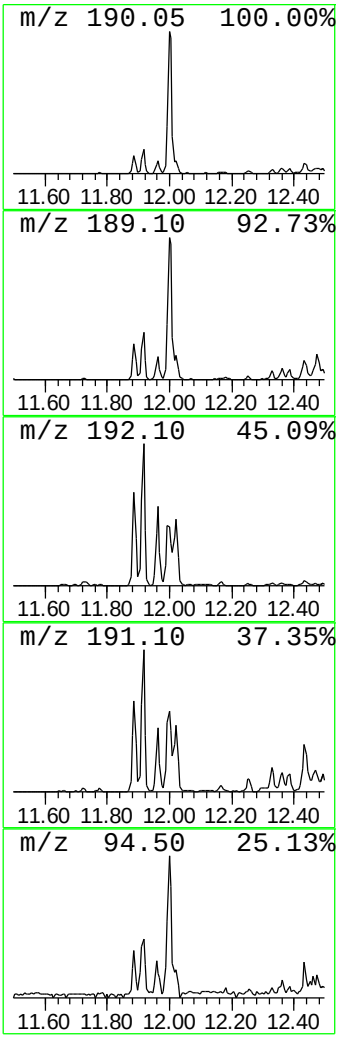
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.46 ng	294800	Phenanthrene-d10	11.39

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	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

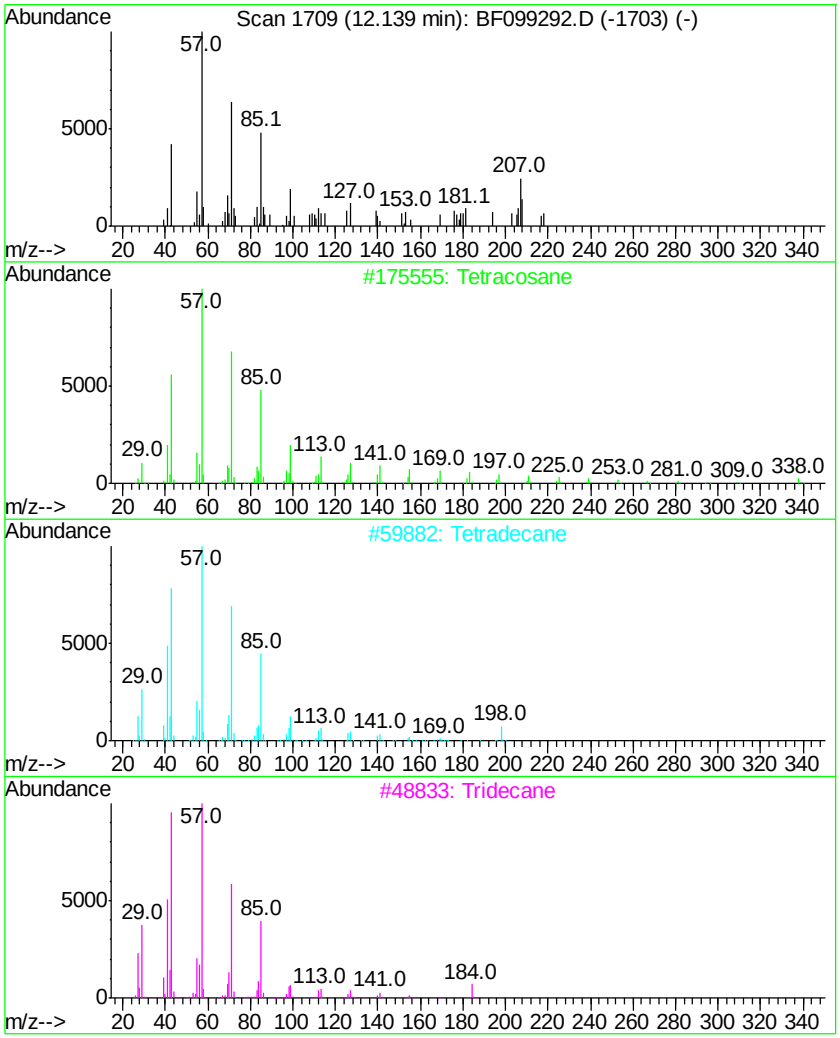
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

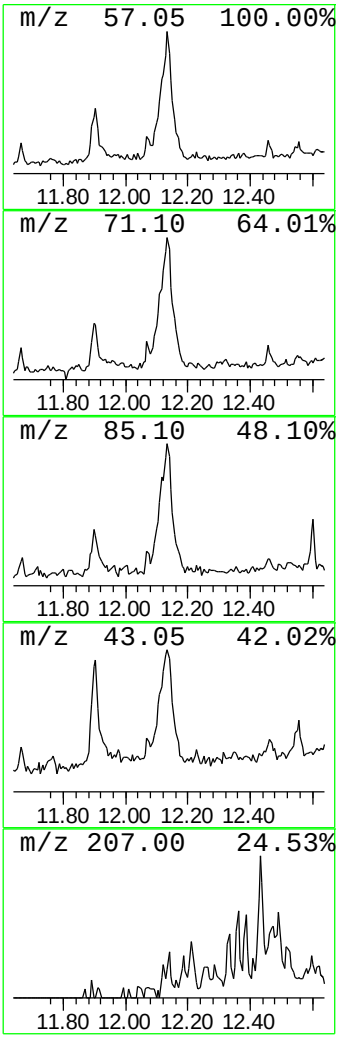
****

Peak Number 8 Tetracosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.20 ng	146242	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	50
2	Tetradecane	198	C14H30	000629-59-4	47
3	Tridecane	184	C13H28	000629-50-5	43
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

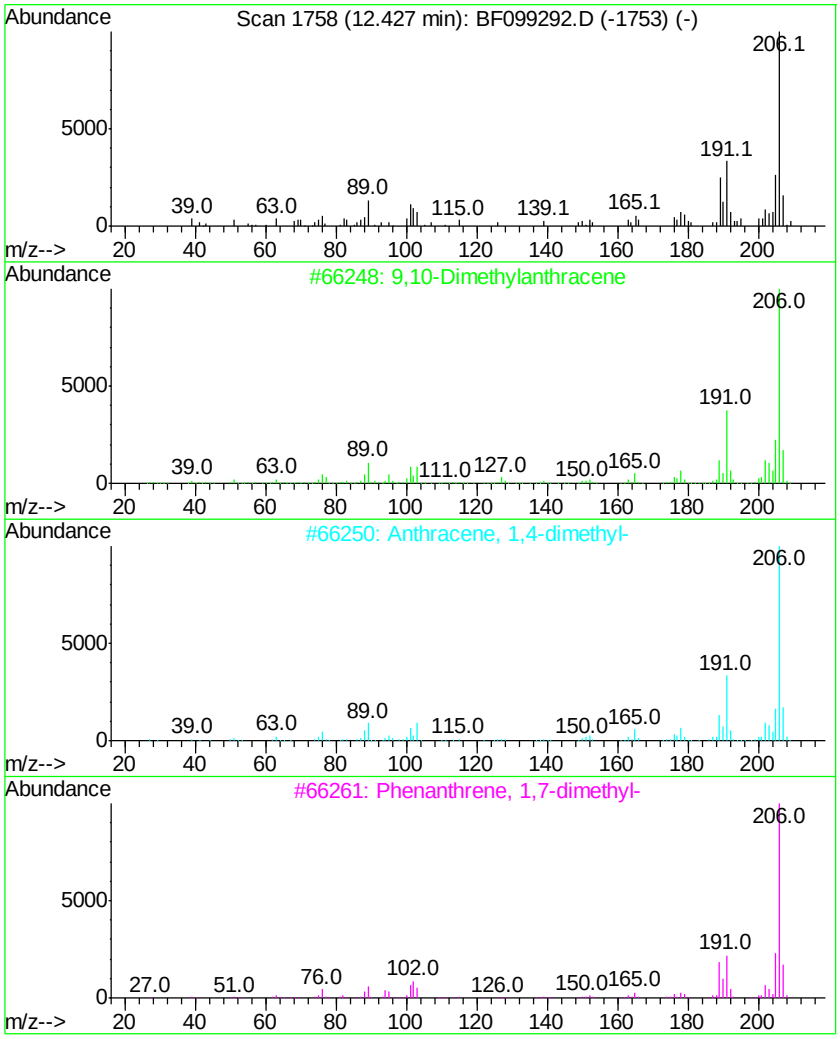
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

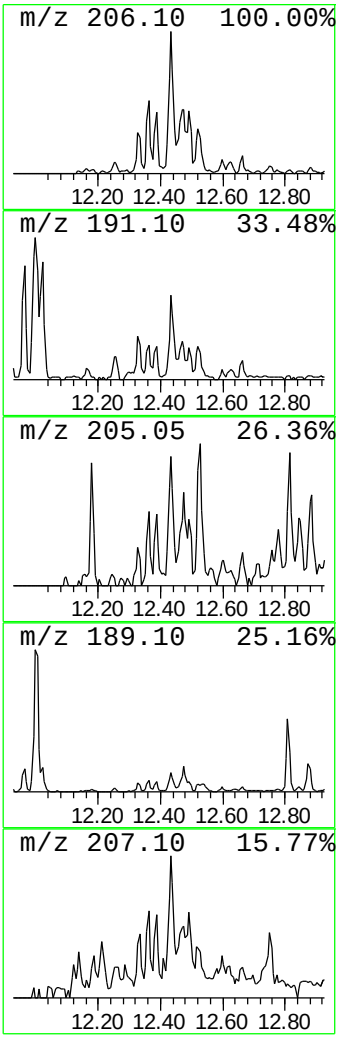
****

Peak Number 9 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.96 ng	137877	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

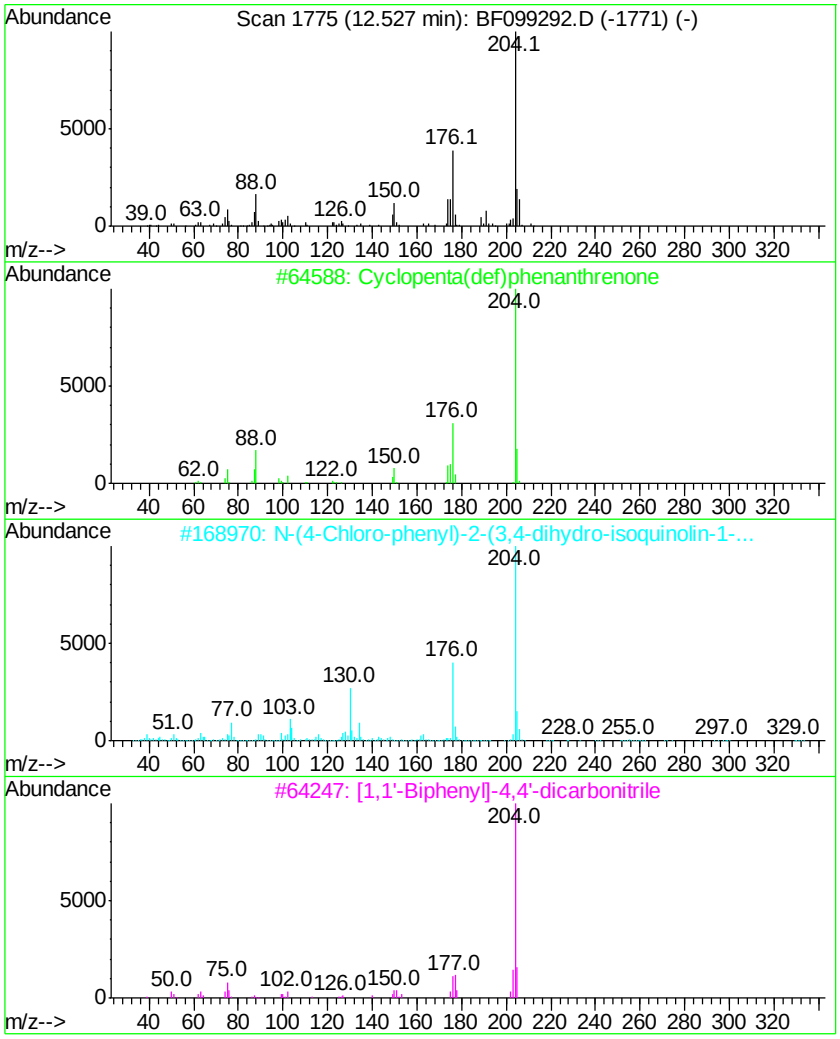
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

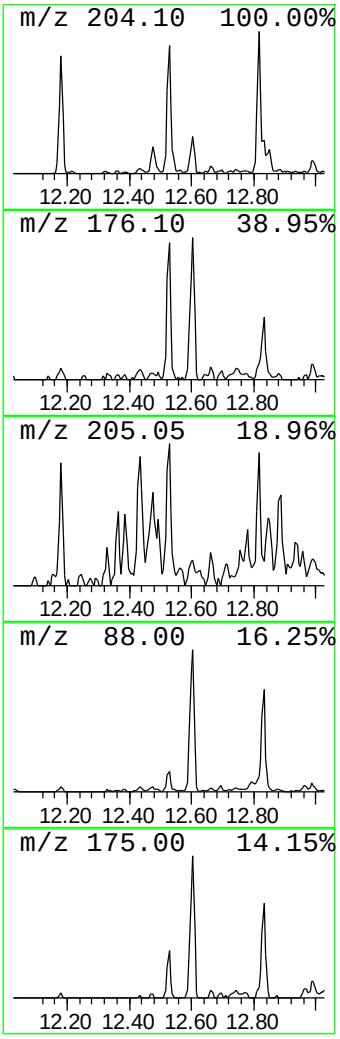
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.56 ng	158792	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

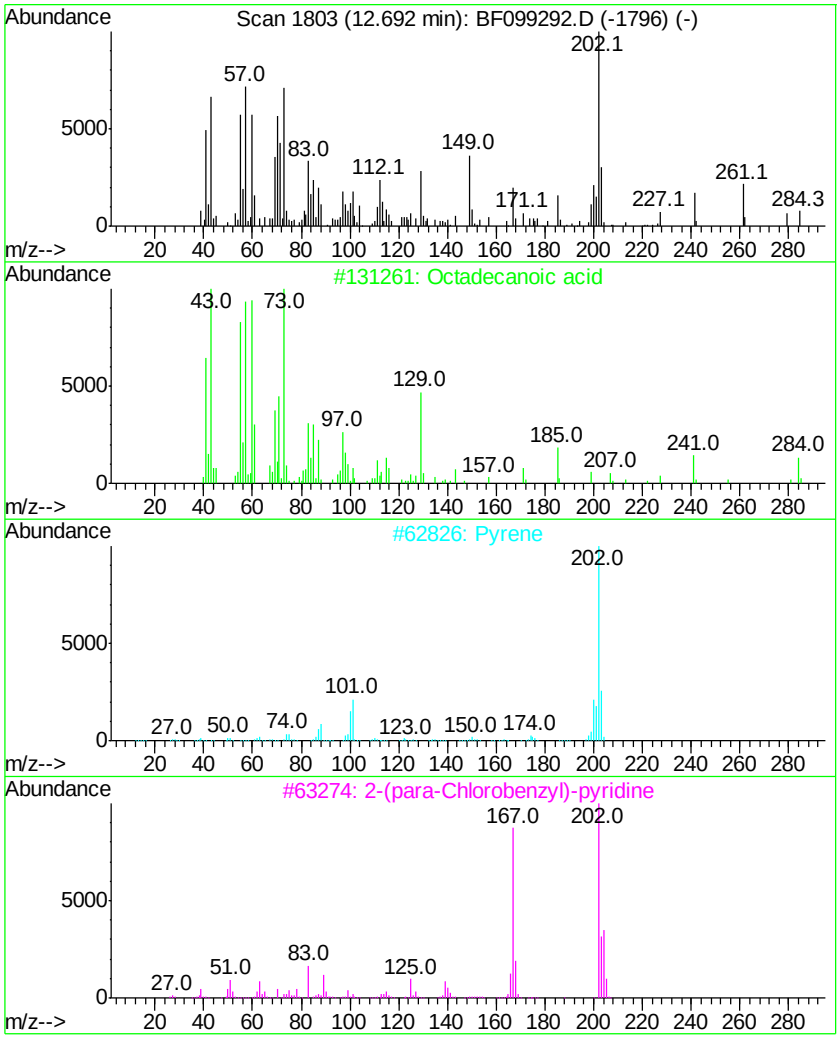
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

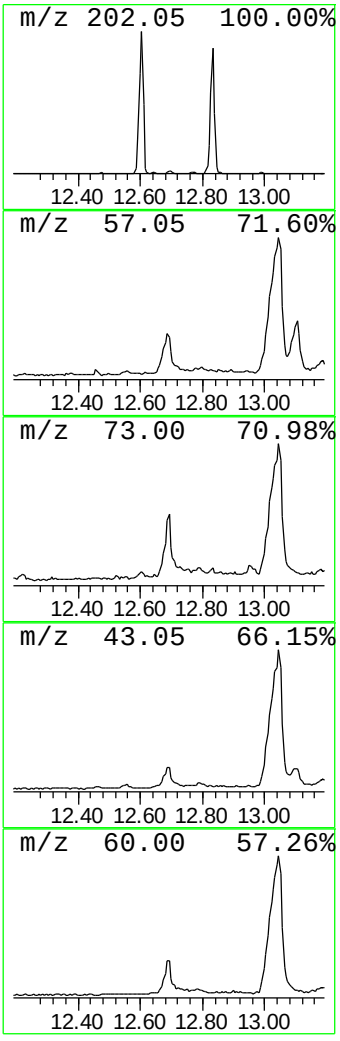
****

Peak Number 11 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	10.43 ng	363474	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	90
2	Pyrene	202	C16H10	000129-00-0	38
3	2-(para-Chlorobenzyl)-pyridine	203	C12H10ClN	004350-41-8	27
4	Benzene, 2-methoxy-4-(2-propenyl...	202	C13H14O2	055956-27-9	27
5	Benzene, chloropentafluoro-	202	C6ClF5	000344-07-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

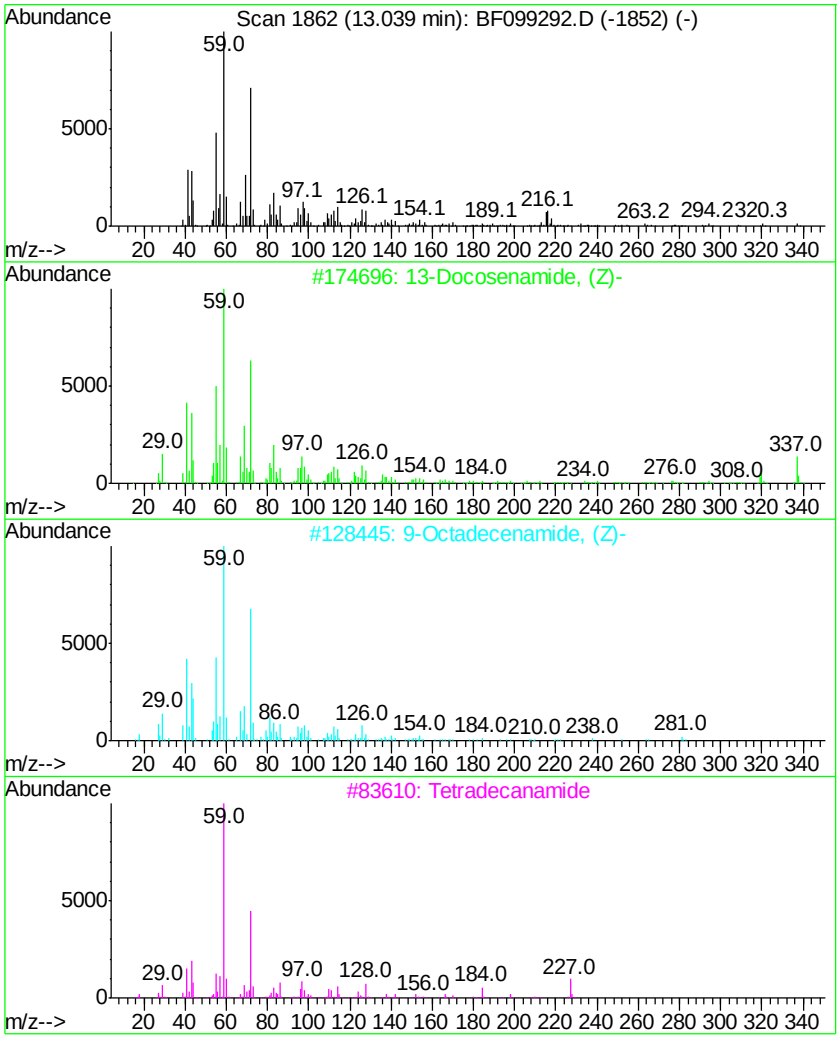
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

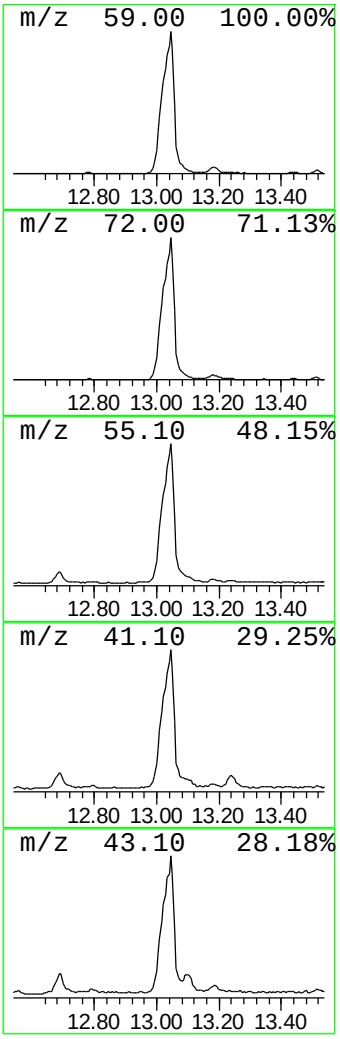
****

Peak Number 12 13-Docosenamide, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	60.85 ng	4557540	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	95
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	83
3	Tetradecanamide	227	C14H29NO	000638-58-4	58
4	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	53
5	Methyl 17-methoxy-10-methoxycarb...	386	C22H42O5	1000110-20-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

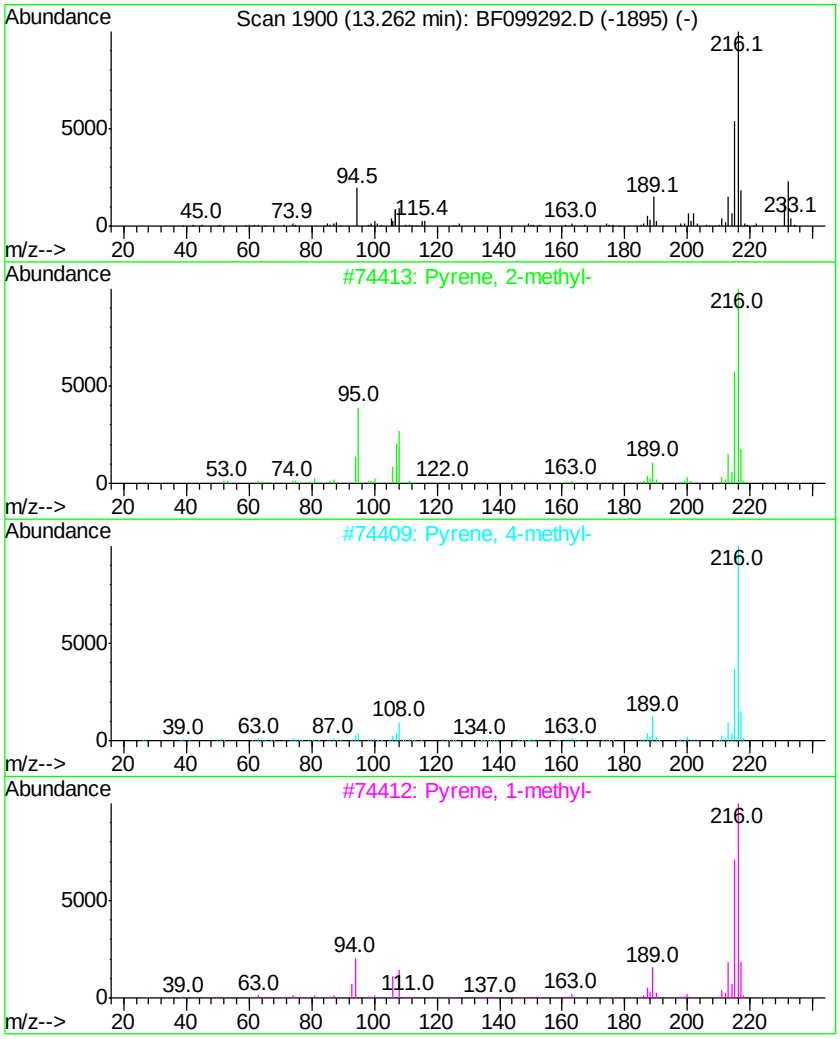
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

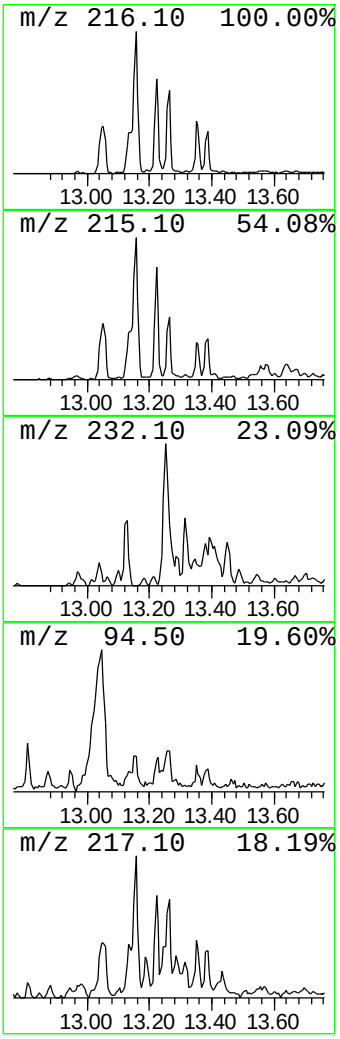
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.61 ng	345476	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

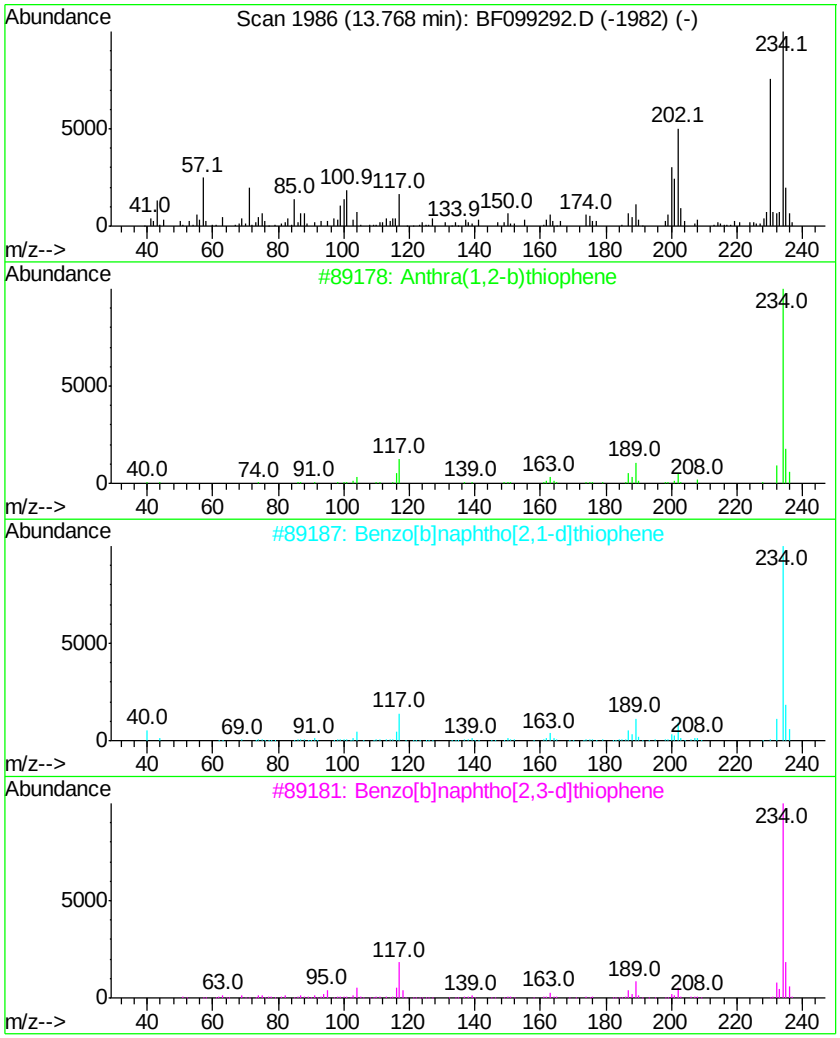
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

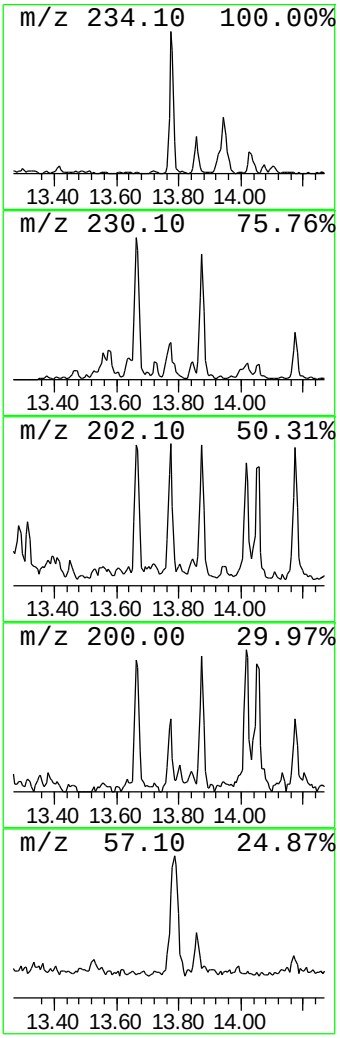
****

Peak Number 14 Anthra(1,2-b)thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.44 ng	257527	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
5	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

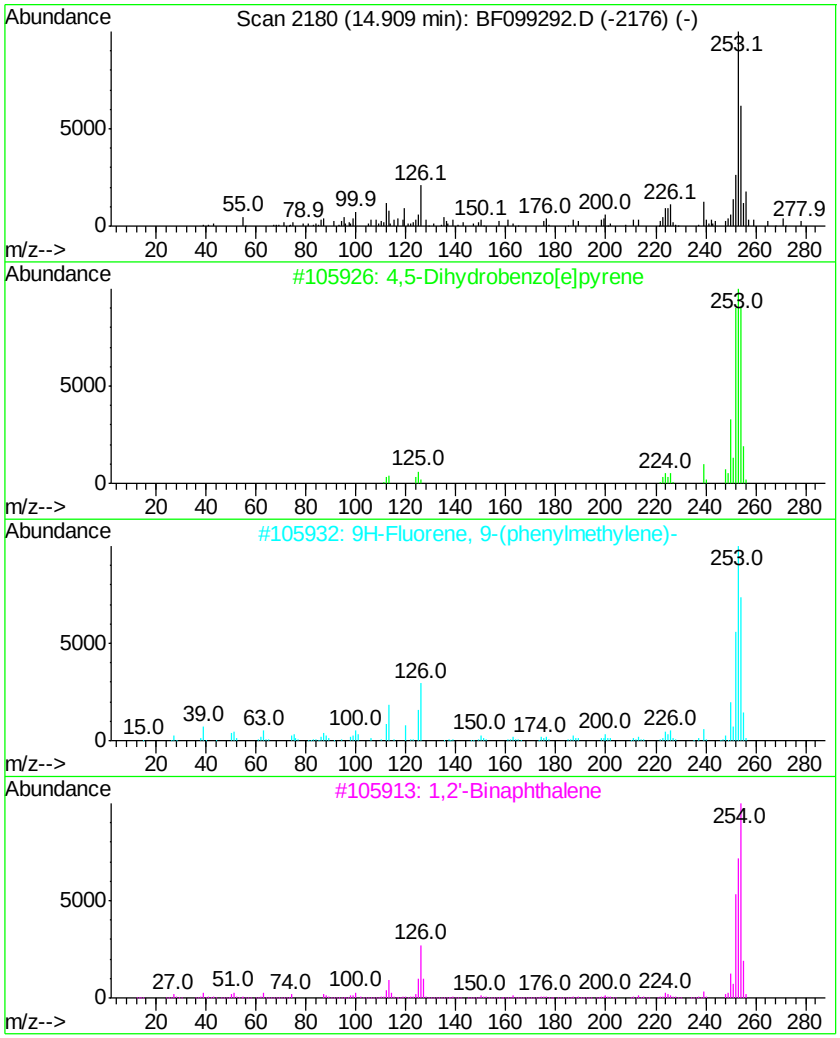
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

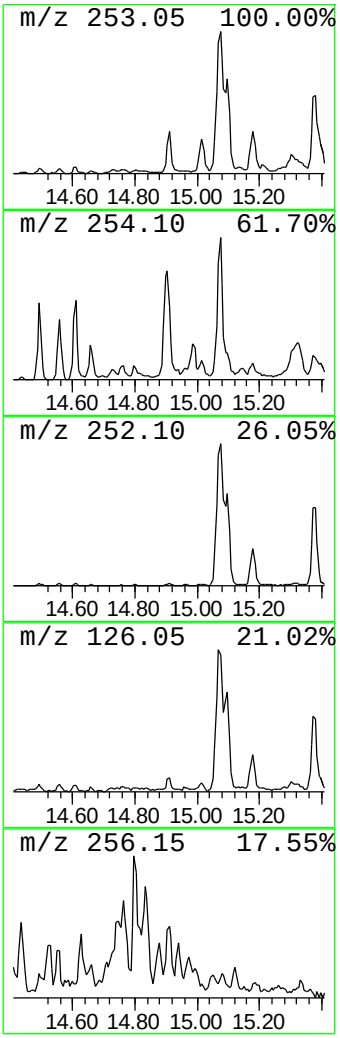
****

Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	5.15 ng	113214	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	90
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	60
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

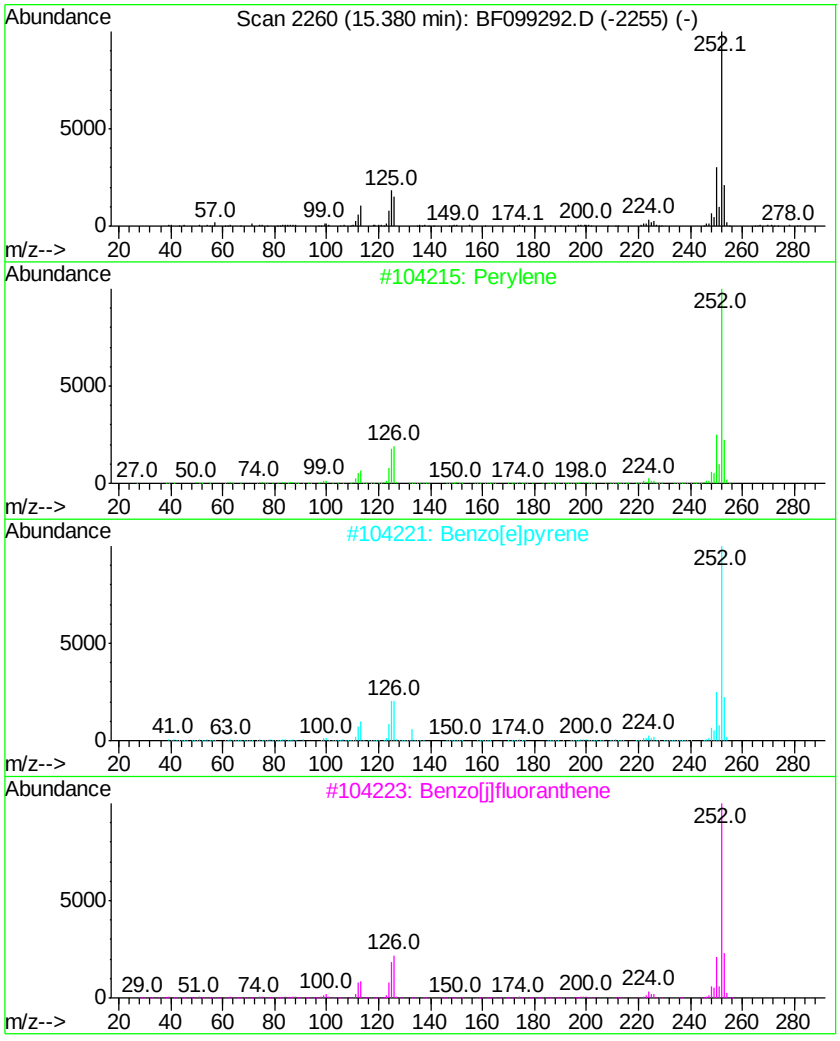
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

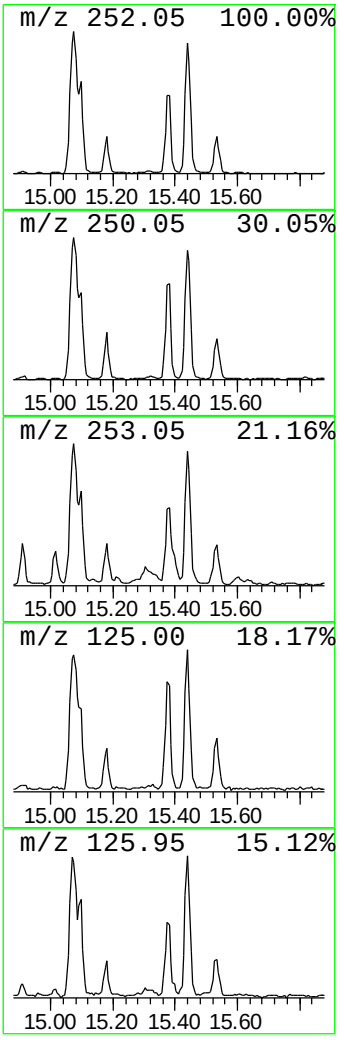
****

Peak Number 17 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	18.67 ng	410296	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

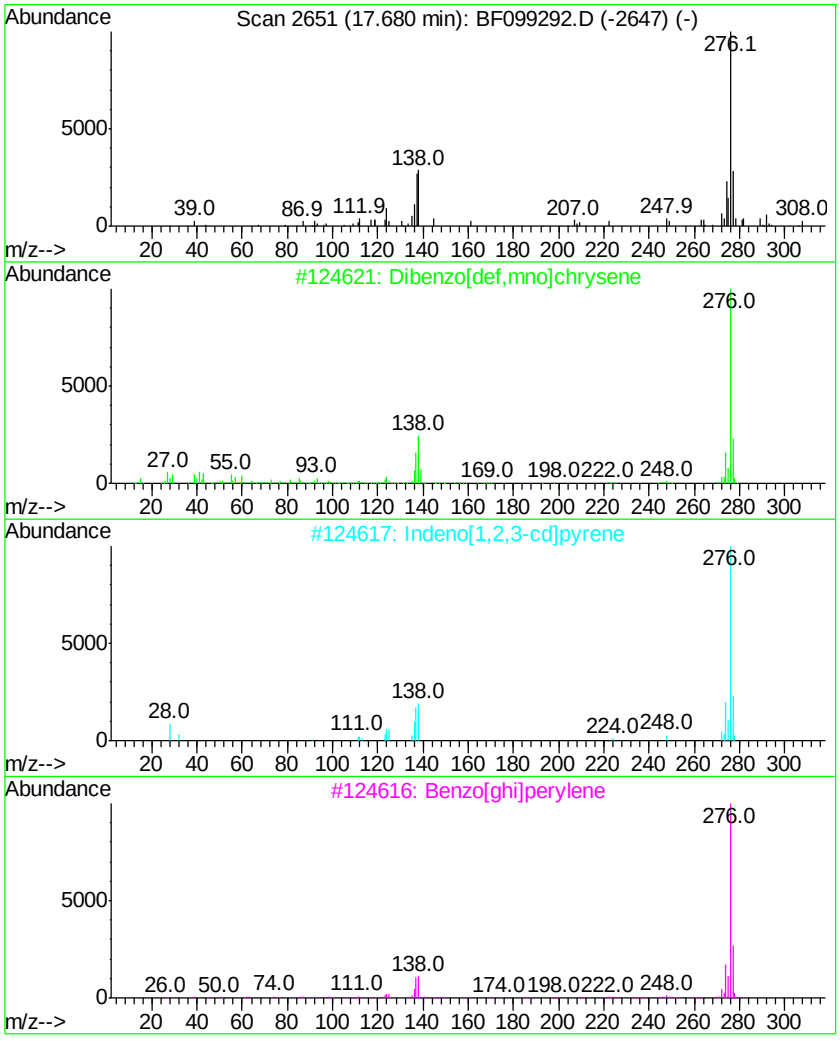
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

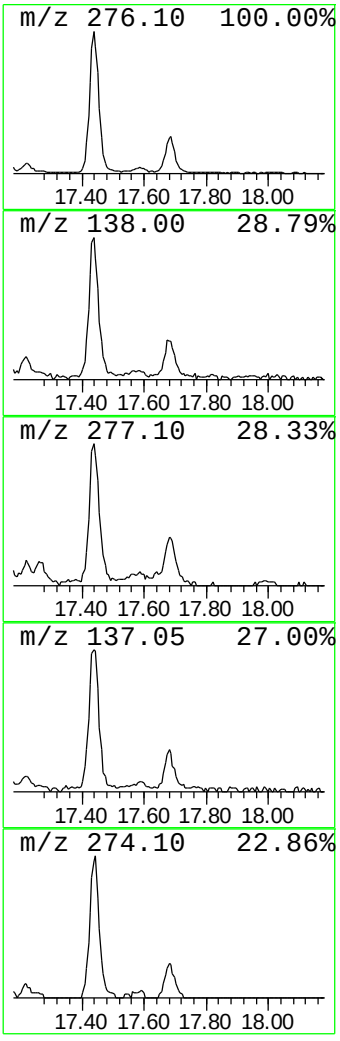
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	6.26 ng	137514	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101017\
Data File : BF099292.D
Acq On : 10 Oct 2017 11:03
Operator : SJ/JU
Sample : I5715-10 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
unknown2.13	2.13	7.5	ng	158758	1	6.86	425986	20.0
2-Pentanone, 4-hy...	5.07	6.6	ng	139933	1	6.86	425986	20.0
unknown6.63	6.63	46.2	ng	984573	1	6.86	425986	20.0
Phenanthrene, 2-m...	11.89	5.0	ng	174339	4	11.39	696980	20.0
4H-Cyclopenta[def...	12.00	8.5	ng	294800	4	11.39	696980	20.0
Tetracosane	12.14	4.2	ng	146242	4	11.39	696980	20.0
9,10-Dimethylanth...	12.43	4.0	ng	137877	4	11.39	696980	20.0
Cyclopenta(def)ph...	12.53	4.6	ng	158792	4	11.39	696980	20.0
Octadecanoic acid	12.69	10.4	ng	363474	4	11.39	696980	20.0
13-Docosenamide, ...	13.04	60.9	ng	4557540	5	14.03	1498030	20.0
Pyrene, 2-methyl-	13.26	4.6	ng	345476	5	14.03	1498030	20.0
Anthra(1,2-b)thio...	13.77	3.4	ng	257527	5	14.03	1498030	20.0
4,5-Dihydrobenzo[...	14.91	5.2	ng	113214	6	15.50	439462	20.0
Perylene	15.38	18.7	ng	410296	6	15.50	439462	20.0
Dibenzo[def,mno]c...	17.68	6.3	ng	137514	6	15.50	439462	20.0