LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

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-BF081517.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	4.934	480	484	497	rVB	170125	235653	9.12%	0.680%
2	5.310	544	548	550	rBV	26285	26914	1.04%	0.078%
3	5.351	550	555	558	rVV	2305666	2432060	94.14%	7.019%
4	6.380	724	730	734	rBV	2434200	2583410	100.00%	7.456%
5	6.510	747	752	755	rBV	2657212	2420772	93.70%	6.987%
6	6.575	759	763	768	rVB2	30467	47306	1.83%	0.137%
7	6.739	787	791	798	rVB	1446680	1188327	46.00%	3.430%
8	6.898	813	818	821	rBV	1910150	1832120	70.92%	5.288%
9	7.133	855	858	864	rBV4	16415	26725	1.03%	0.077%
10	7.304	877	887	890	rBV	1677370	1556785	60.26%	4.493%
11	7.339	890	893	897	rVV2	40265	43721	1.69%	0.126%
12	7.392	897	902	906	rVB3	18009	28009	1.08%	0.081%
13	8.022	1004	1009	1012	rBV	1612559	1520815	58.87%	4.389%
14	8.045	1012	1013	1016	rVB	137593	69107	2.68%	0.199%
15	8.451	1077	1082	1086	rBV	33559	38337	1.48%	0.111%
16	8.616	1106	1110	1114	rBV	43134	38682	1.50%	0.112%
17	8.733	1128	1130	1134	rVB	88461	68575	2.65%	0.198%
18	8.833	1143	1147	1150	rBV	53382	42347	1.64%	0.122%
19	9.098	1187	1192	1195	rBV	2563453	2220346	85.95%	6.408%
20	9.180	1203	1206	1212	rVB2	52465	69549	2.69%	0.201%
21	9.363	1233	1237	1240	rBV2	27430	35680	1.38%	0.103%
22	9.433	1246	1249	1251	rBV2	49165	46662	1.81%	0.135%
23	9.492	1256	1259	1266	rVV	406263	367819	14.24%	1.062%
24	9.551	1266	1269	1274	rVB3	24183	26921	1.04%	0.078%
25	9.633	1280	1283	1289	rVB	54399	48582	1.88%	0.140%
26	9.710	1293	1296	1299	rVV	83867	70893	2.74%	0.205%
27	9.774	1301	1307	1310	rVV2	1718792	1545326	59.82%	4.460%
28	9.804	1310	1312	1316	rVB	83427	81715	3.16%	0.236%
29	9.933	1329	1334	1338	rBV7	19601	31932	1.24%	0.092%
30	9.974	1338	1341	1346	rBV	88637	93925	3.64%	0.271%
31	10.180	1373	1376	1378	rBV2	34450	35187	1.36%	0.102%
32	10.210	1378	1381	1385	rVB	86513	77325	2.99%	0.223%
33	10.316	1396	1399	1402	rBV2	65010	61983	2.40%	0.179%
34	10.433	1415	1419	1423	rVV4	36287	41026	1.59%	0.118%

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Misc :
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Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.474	1423	1426	1430	rVB2	37084	41796	1.62%	0.121%
36	10.563	1436	1441	1444	rBV	1542093	1473102	57.02%	4.252%
37	10.680	1458	1461	1469	rVB2	121127	164681	6.37%	0.475%
38	10.868	1489	1493	1495	rBV5	20817	28981	1.12%	0.084%
39	11.063	1523	1526	1530	rVB2	64221	57767	2.24%	0.167%
40	11.104	1530	1533	1535	rBV2	27422	36607	1.42%	0.106%
41	11.127	1535	1537	1539	rVV2	81923	78198	3.03%	0.226%
42	11.151	1539	1541	1547	rVB2	55293	71130	2.75%	0.205%
43	11.257	1555	1559	1561	rBV	1718479	1545294	59.82%	4.460%
44	11.280	1561	1563	1566	rVV	560842	429131	16.61%	1.239%
45	11.327	1566	1571	1574	rVV	120690	138870	5.38%	0.401%
46	11.362	1574	1577	1581	rVV3	26529	29937	1.16%	0.086%
47	11.486	1593	1598	1600	rBV3	73031	85135	3.30%	0.246%
48	11.557	1607	1610	1613	rBV2	60350	59138	2.29%	0.171%
49	11.645	1622	1625	1628	rBV2	34595	43903	1.70%	0.127%
50	11.757	1641	1644	1646	rBV	95635	75385	2.92%	0.218%
51	11.786	1646	1649	1652	rVB	151209	128618	4.98%	0.371%
52	11.833	1654	1657	1659	rVV2	48601	47100	1.82%	0.136%
53	11.868	1659	1663	1665	rVV	151704	169915	6.58%	0.490%
54	11.892	1665	1667	1671	rVB2	93286	90658	3.51%	0.262%
55	11.962	1676	1679	1682	rBV	51183	41641	1.61%	0.120%
56	12.062	1691	1696	1702	rBV3	82341	169265	6.55%	0.489%
57	12.204	1717	1720	1722	rVB	36799	35631	1.38%	0.103%
58	12.233	1722	1725	1727	rBV	39042	38369	1.49%	0.111%
59	12.304	1734	1737	1740	rBV	104175	105392	4.08%	0.304%
60	12.345	1741	1744	1749	rVB4	69098	115899	4.49%	0.335%
61	12.392	1749	1752	1756	rBV2	64048	78069	3.02%	0.225%
62	12.468	1761	1765	1768	rBV	721400	644052	24.93%	1.859%
63	12.692	1797	1803	1806	rBV	636055	688667	26.66%	1.988%
64	12.745	1810	1812	1817	rVB2	45020	55966	2.17%	0.162%
65	12.809	1820	1823	1825	rBV2	49641	60713	2.35%	0.175%
66	12.839	1825	1828	1835	rVB	1791593	1742363	67.44%	5.029%
67	12.909	1837	1840	1844	rBV2	57281	70113	2.71%	0.202%
68	13.021	1857	1859	1862	rVB	120527	94647	3.66%	0.273%
69	13.086	1866	1870	1873	rVB2	91046	111880	4.33%	0.323%
70	13.121	1873	1876	1879	rBV2	88261	100392	3.89%	0.290%
71	13.215	1889	1892	1895	rVB	58629	51800	2.01%	0.150%

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Misc :
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Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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72	13.245	1895	1897	1901	rBV	60787	61189	2.37%	0.177%
73	13.421	1924	1927	1930	rBV	55132	54631	2.11%	0.158%
74	13.533	1943	1946	1950	rVB2	133388	143879	5.57%	0.415%
75	13.639	1960	1964	1967	rBV3	70135	100894	3.91%	0.291%
76	13.668	1967	1969	1971	rVV	44389	33348	1.29%	0.096%
77	13.739	1978	1981	1988	rVB3	259273	306221	11.85%	0.884%
78	13.892	2002	2007	2010	rBV2	1342234	1628502	63.04%	4.700%
79	13.915	2010	2011	2014	rVB	375204	213324	8.26%	0.616%
80	13.992	2022	2024	2027	rVB	53525	45015	1.74%	0.130%
81	14.274	2070	2072	2075	rVB	84553	72198	2.79%	0.208%
82	14.309	2076	2078	2081	rVB	68096	59916	2.32%	0.173%
83	14.368	2085	2088	2091	rBV3	120721	116360	4.50%	0.336%
84	14.662	2136	2138	2141	rBV3	52546	53928	2.09%	0.156%
85	14.909	2175	2180	2183	rBV	436698	699502	27.08%	2.019%
86	15.009	2195	2197	2200	rVB	98715	82166	3.18%	0.237%
87	15.192	2224	2228	2234	rVB	273033	349428	13.53%	1.009%
88	15.250	2234	2238	2244	rBV	379793	472467	18.29%	1.364%
89	15.315	2244	2249	2252	rBV	940960	1239909	48.00%	3.579%
90	16.692	2478	2483	2489	rVB2	188162	337699	13.07%	0.975%
91	16.856	2508	2511	2516	rVB	40285	56828	2.20%	0.164%
92	17.103	2548	2553	2564	rVB	156292	315007	12.19%	0.909%
93	17.321	2586	2590	2598	rVB	72581	150553	5.83%	0.435%

Sum of corrected areas: 34647705

LSC Report - Integrated Chromatogram

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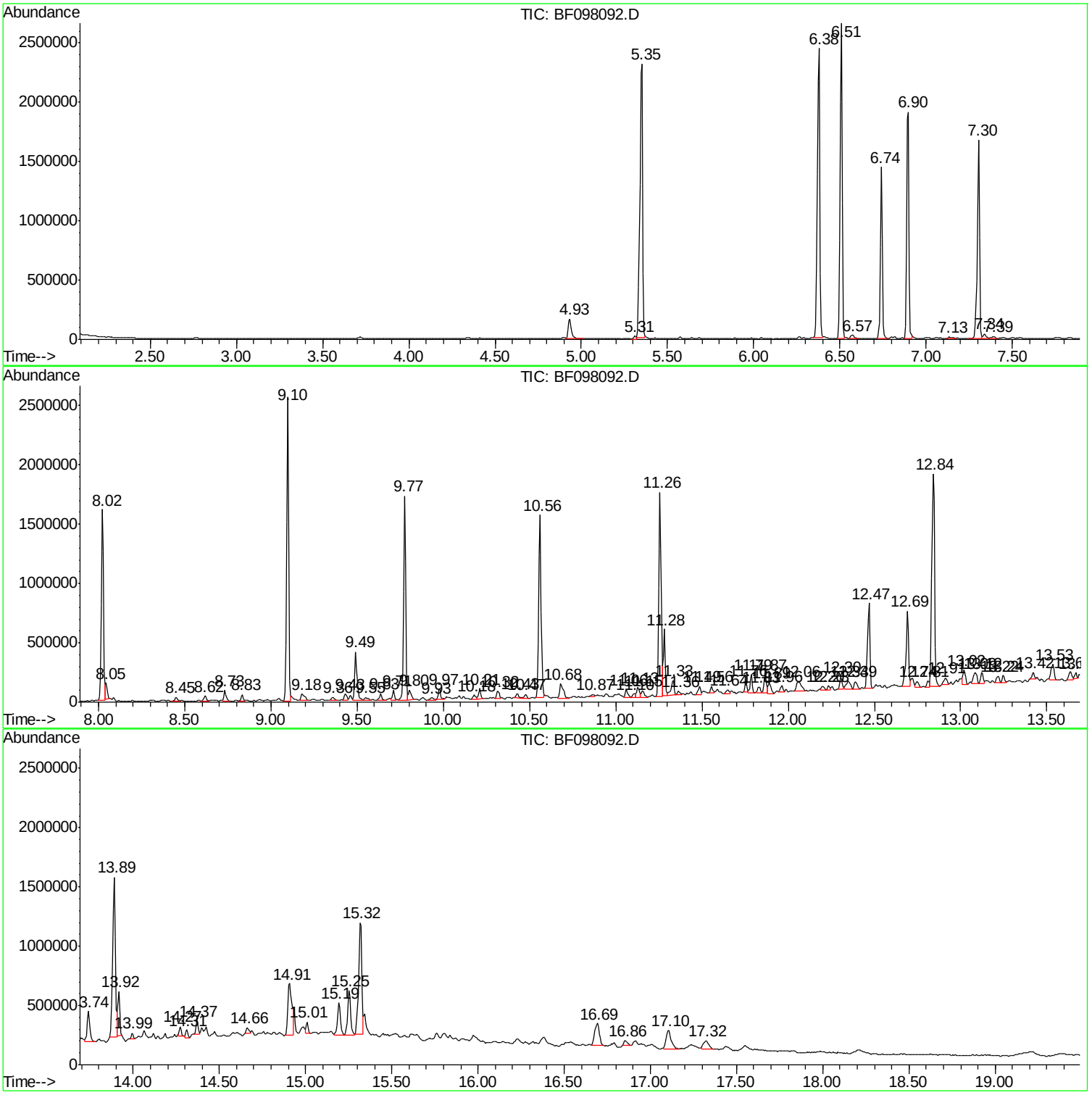
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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\BF082817\
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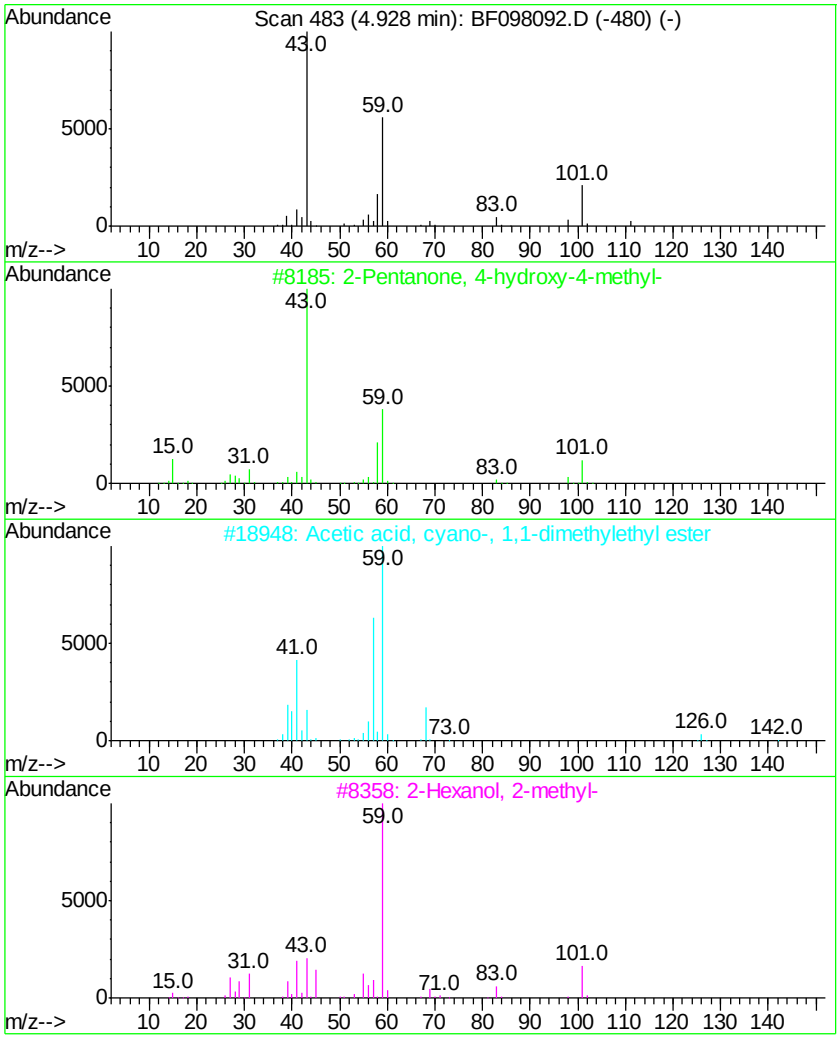
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

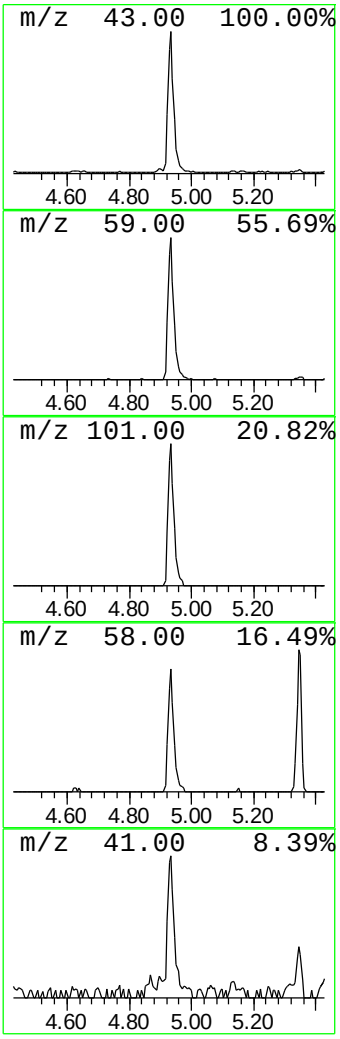
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	3.97 ng	235653	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data File : BF098092.D
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Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

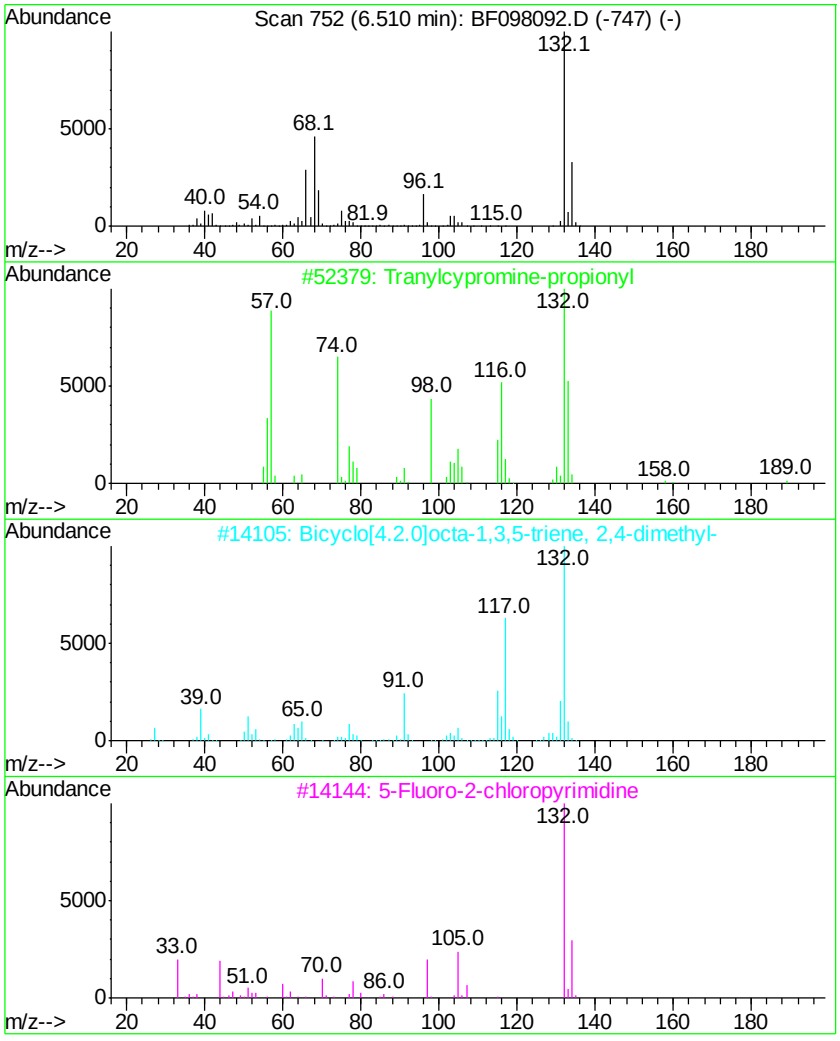
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

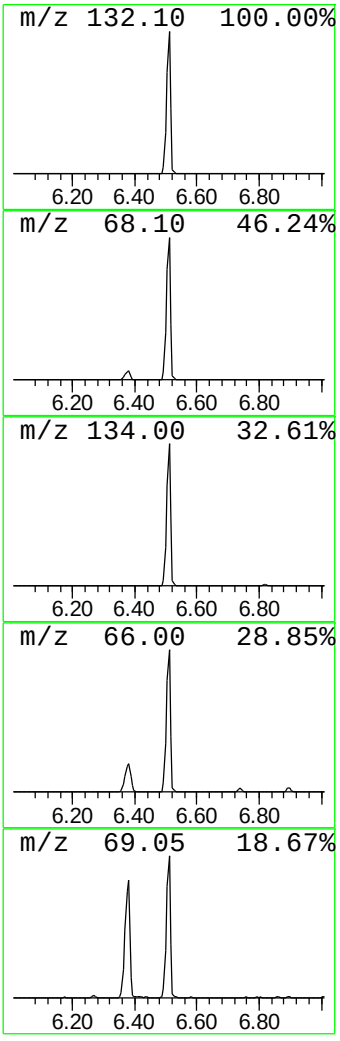
****

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	40.74 ng	2420770	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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TIC Library : C:\DATABASE\NIST11.L
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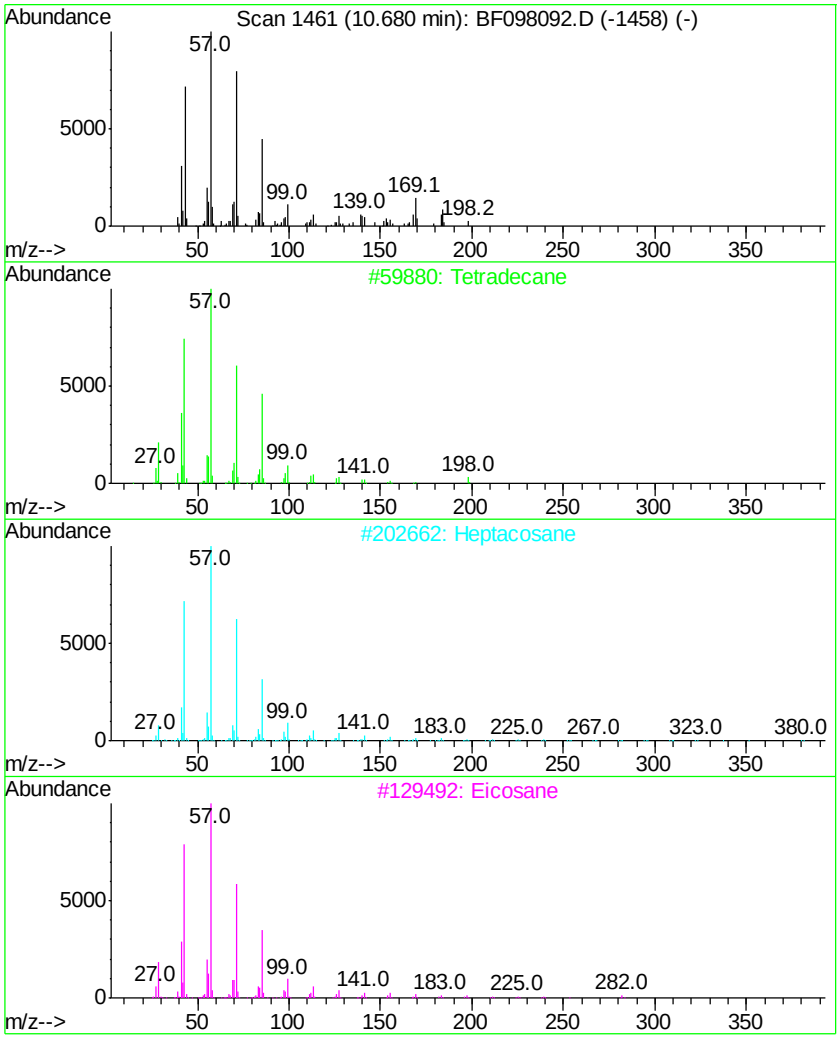
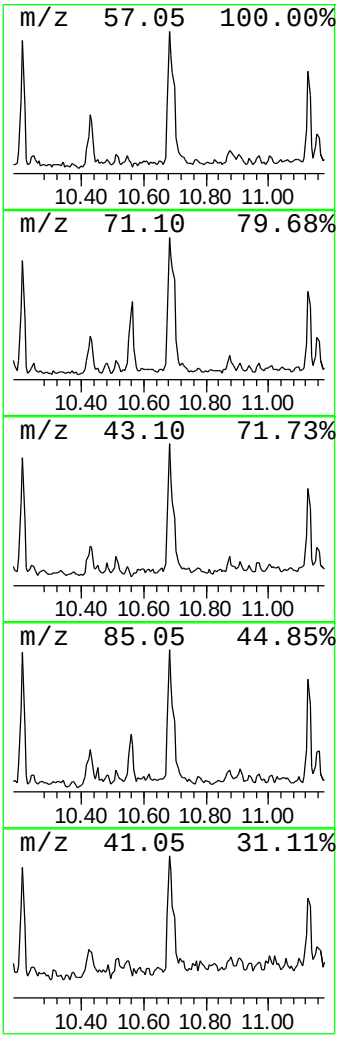
Peak Number 4 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.13 ng	164681	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Heptacosane	380	C27H56	000593-49-7	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Tridecane	184	C13H28	000629-50-5	80
5	Hexadecane	226	C16H34	000544-76-3	80





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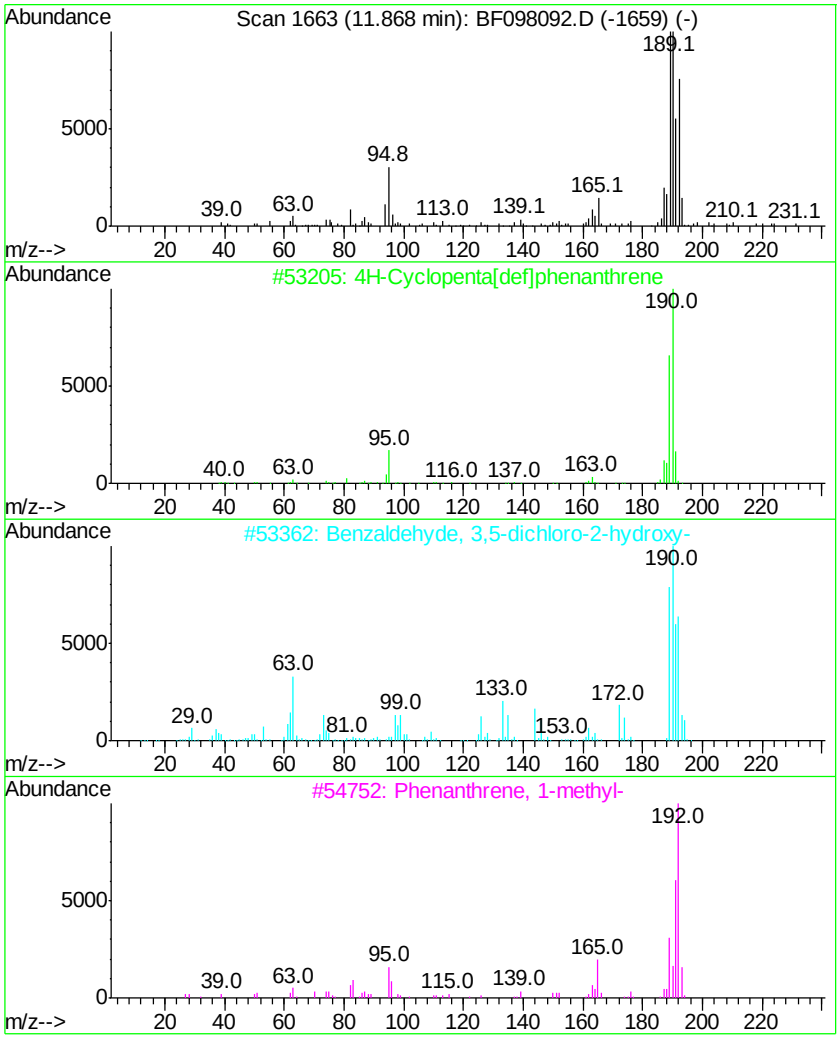
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

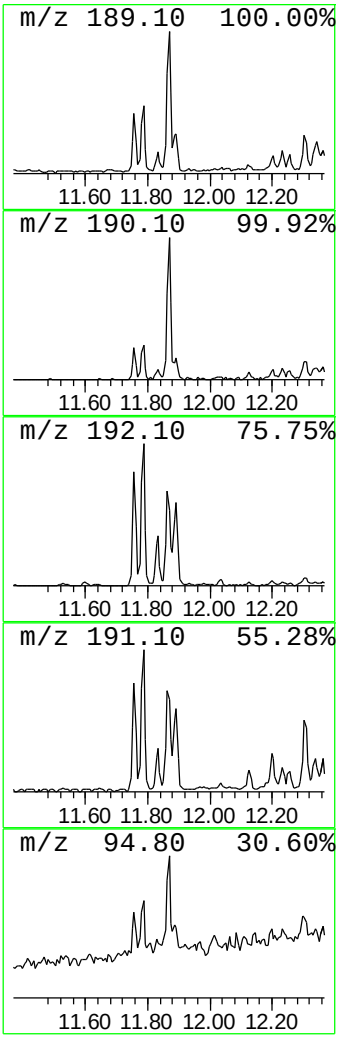
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.20 ng	169915	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38





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Sample : I4959-01
Misc :
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Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

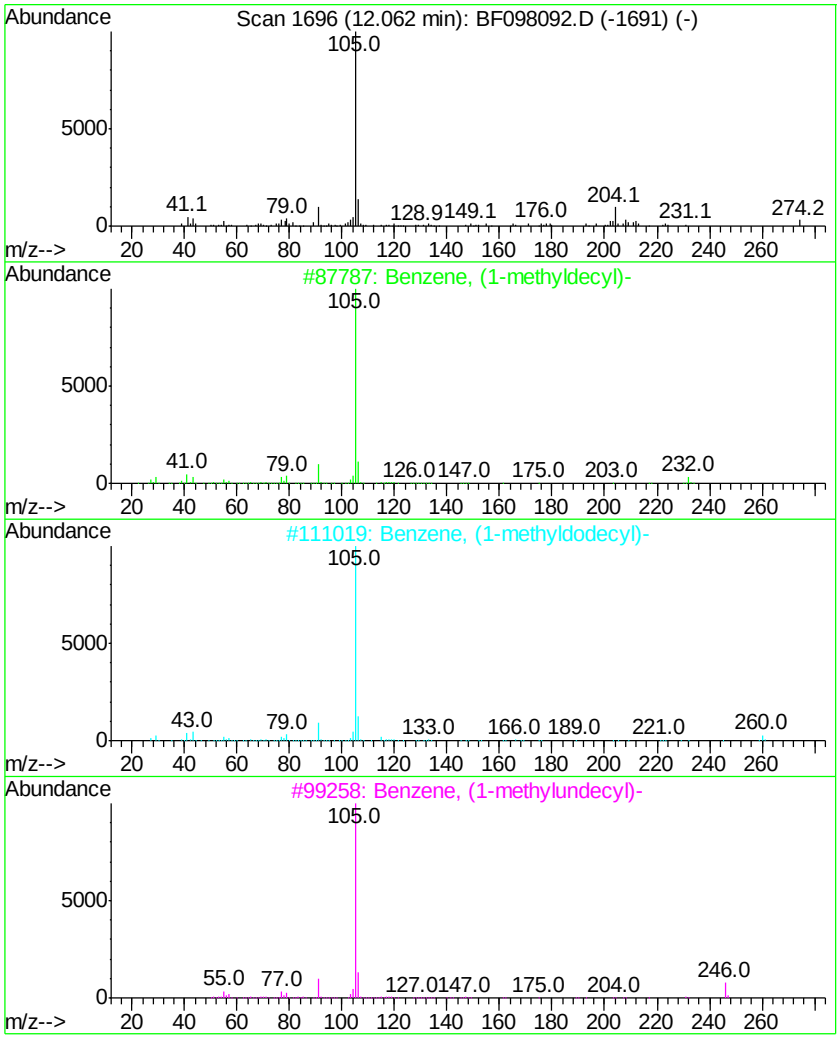
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

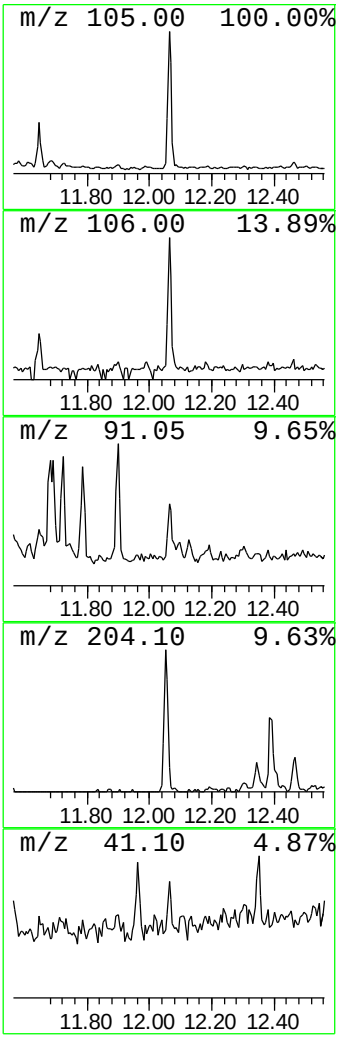
****

Peak Number 6 Benzene, (1-methyldecyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.19 ng	169265	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	50
2	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	50
3	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	50
4	Benzene, (1-methylnonadecyl)-	358	C26H46	002398-66-5	50
5	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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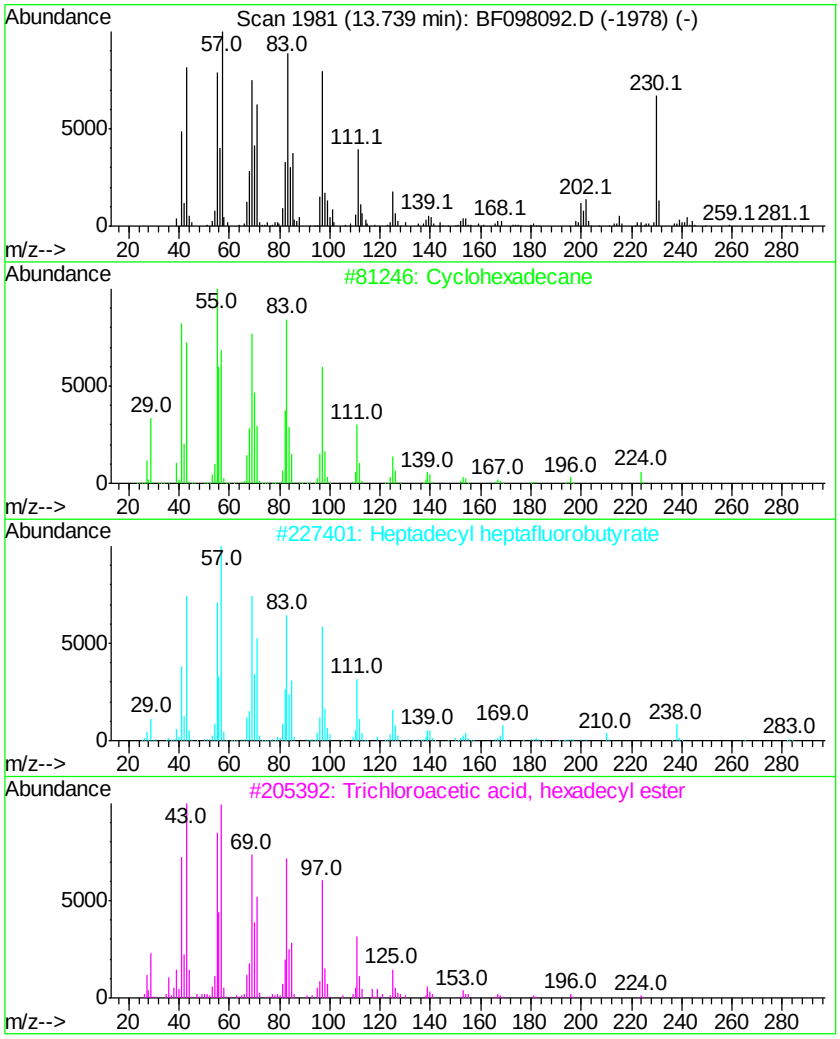
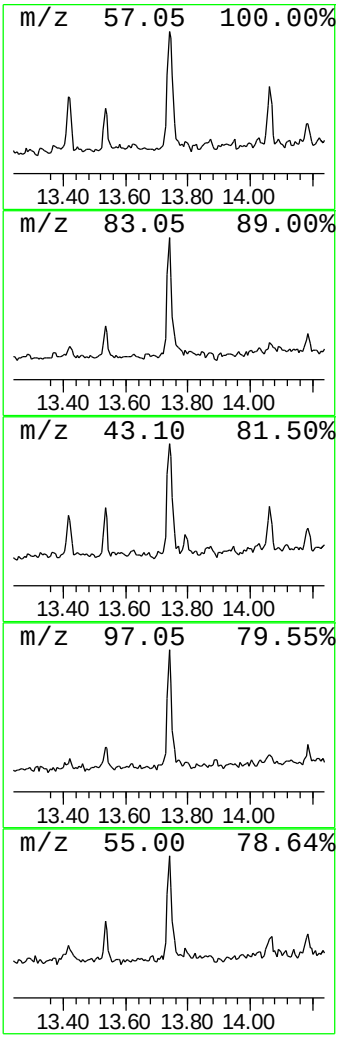
Peak Number 7 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.76 ng	306221	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
4	17-Pentatriacontene	491	C35H70	006971-40-0	90
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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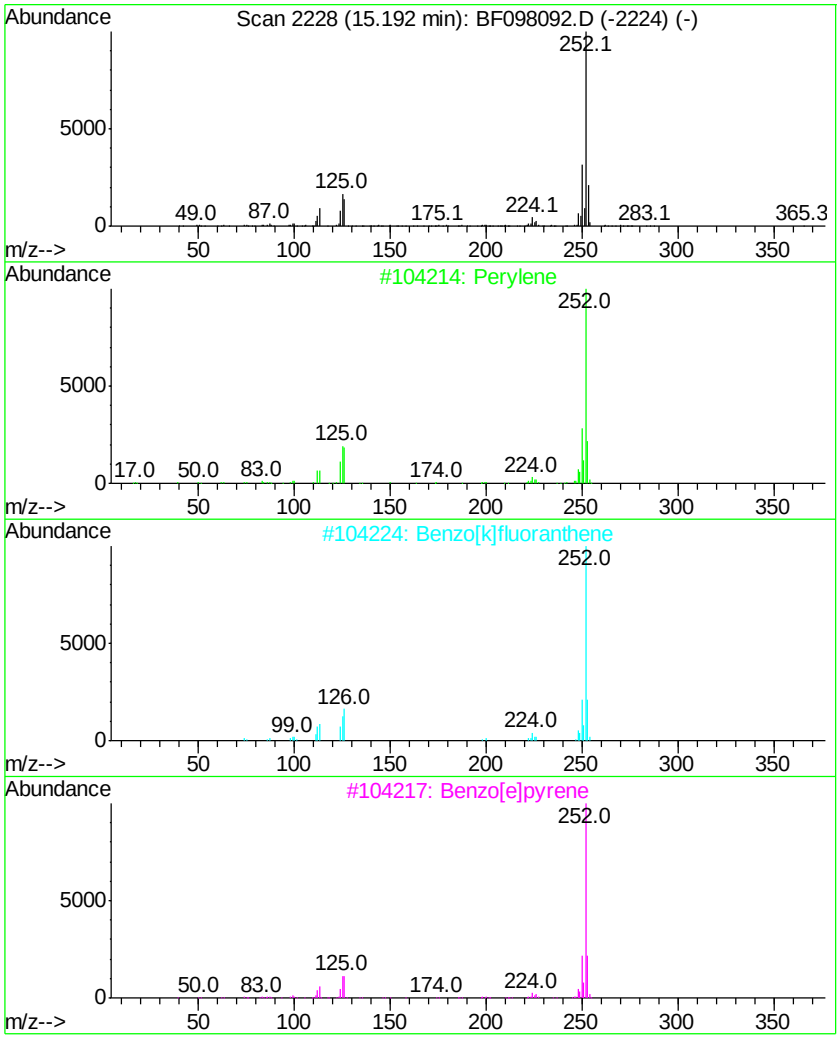
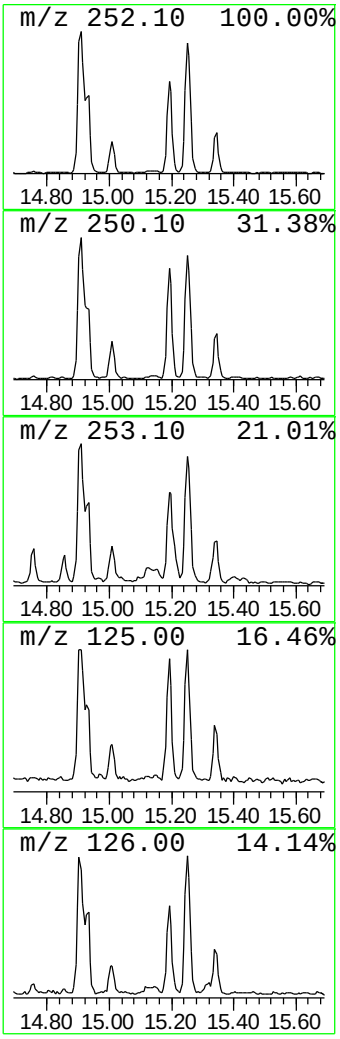
Peak Number 8 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.64 ng	349428	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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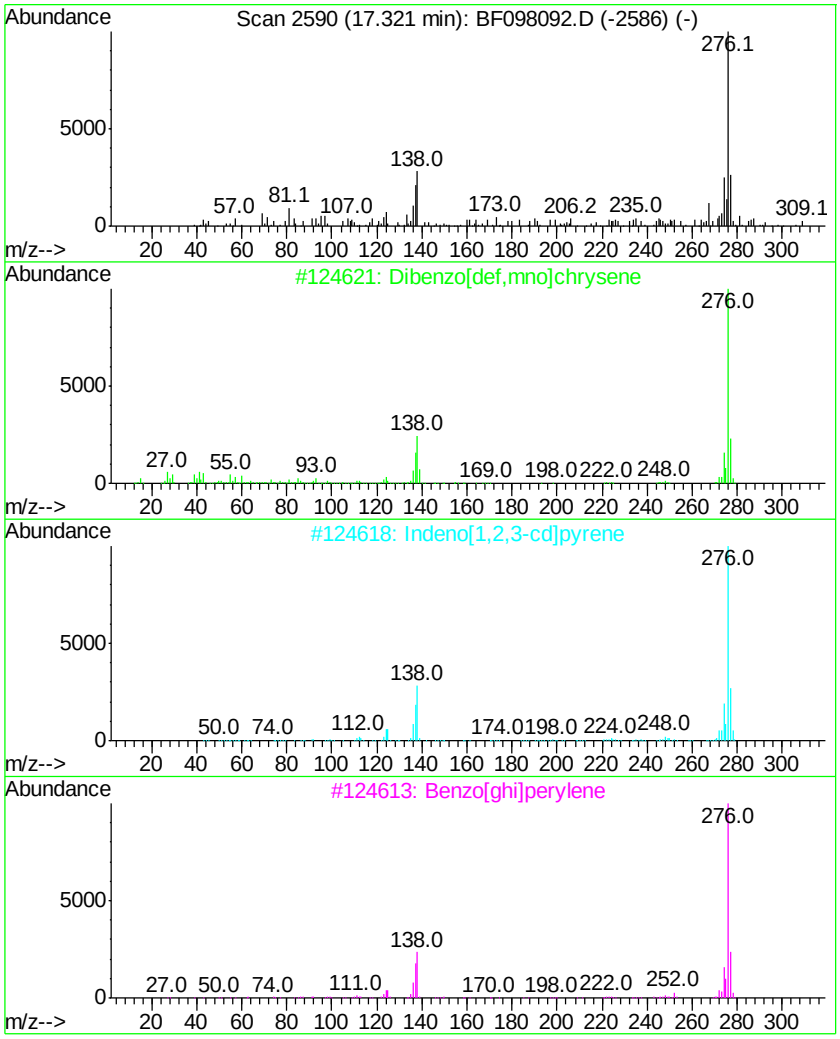
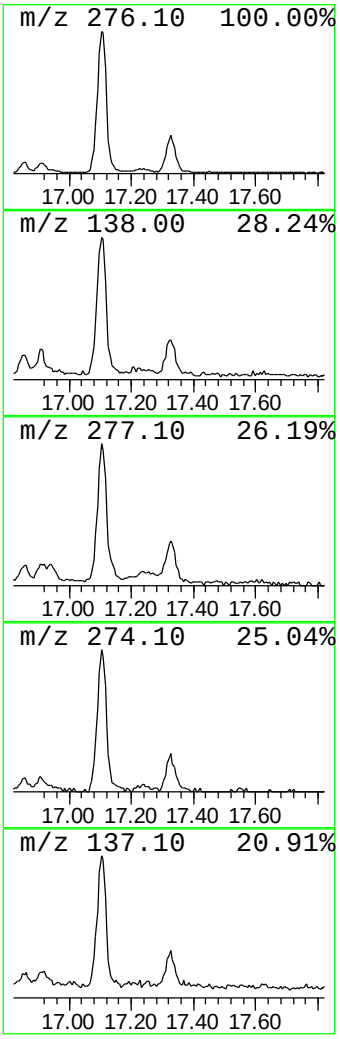
Peak Number 9 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	2.43 ng	150553	Perylene-d12	15.32

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	90
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.93	4.0	ng	235653	1	6.74	1188330	20.0
unknown6.51	6.51	40.7	ng	2420770	1	6.74	1188330	20.0
Tetradecane	10.68	2.1	ng	164681	4	11.26	1545290	20.0
4H-Cyclopenta[def...	11.87	2.2	ng	169915	4	11.26	1545290	20.0
Benzene, (1-methy...	12.06	2.2	ng	169265	4	11.26	1545290	20.0
Cyclohexadecane	13.74	3.8	ng	306221	5	13.89	1628500	20.0
Perylene	15.19	5.6	ng	349428	6	15.32	1239910	20.0
Dibenzo[def,mno]c...	17.32	2.4	ng	150553	6	15.32	1239910	20.0