LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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	4.022	321	329	334	rBV	35478	45512	4.64%	0.322%
2	5.134	516	518	526	rVB	82083	84546	8.63%	0.599%
3	5.410	562	565	569	rVB	23392	20334	2.07%	0.144%
4	5.528	578	585	589	rBV2	617145	586459	59.84%	4.152%
5	5.775	622	627	630	rVB3	54968	66560	6.79%	0.471%
6	6.445	739	741	744	rBV	27446	25841	2.64%	0.183%
7	6.481	744	747	750	rVB2	19573	18957	1.93%	0.134%
8	6.534	750	756	760	rBV	560001	501433	51.16%	3.550%
9	6.604	764	768	771	rBV	14677	15524	1.58%	0.110%
10	6.687	778	782	785	rVV	608031	511066	52.15%	3.618%
11	6.745	789	792	797	rBV2	122019	111159	11.34%	0.787%
12	6.922	818	822	825	rBV	1014863	825761	84.26%	5.846%
13	6.975	828	831	834	rBV	31253	28669	2.93%	0.203%
14	7.075	844	848	851	rBV	505567	392899	40.09%	2.781%
15	7.192	862	868	871	rVB3	15650	21063	2.15%	0.149%
16	7.239	871	876	881	rVB2	21564	22528	2.30%	0.159%
17	7.316	882	889	893	rBV6	10315	15755	1.61%	0.112%
18	7.451	908	912	913	rBV	31022	24452	2.50%	0.173%
19	7.475	913	916	920	rVB	335573	272907	27.85%	1.932%
20	7.939	993	995	1001	rVB3	18197	23034	2.35%	0.163%
21	8.204	1036	1040	1042	rBV	1210104	980035	100.00%	6.938%
22	8.222	1042	1043	1046	rVB	231716	157503	16.07%	1.115%
23	8.786	1136	1139	1142	rBV2	20026	15042	1.53%	0.106%
24	8.916	1158	1161	1164	rVB	73171	55467	5.66%	0.393%
25	9.016	1173	1178	1181	rVB	47071	44345	4.52%	0.314%
26	9.275	1218	1222	1225	rBV	645160	476899	48.66%	3.376%
27	9.351	1233	1235	1237	rBV2	17821	15286	1.56%	0.108%
28	9.545	1264	1268	1271	rBV2	19446	22645	2.31%	0.160%
29	9.616	1276	1280	1282	rVV	27456	27723	2.83%	0.196%
30	9.639	1282	1284	1286	rVV	18966	13892	1.42%	0.098%
31	9.669	1286	1289	1296	rVB	63212	66432	6.78%	0.470%
32	9.733	1296	1300	1302	rBV	19791	18900	1.93%	0.134%
33	9.816	1311	1314	1317	rBV	39289	35175	3.59%	0.249%
34	9.880	1322	1325	1328	rVB	19195	16527	1.69%	0.117%

LSC Area Percent Report

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Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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	9.957	1332	1338	1342	rVV	943770	836208	85.32%	5.920%
36	9.992	1342	1344	1347	rVB	53725	40721	4.16%	0.288%
37	10.163	1369	1373	1377	rVB2	45110	39936	4.07%	0.283%
38	10.269	1387	1391	1394	rBV4	11161	14861	1.52%	0.105%
39	10.380	1403	1410	1413	rBV4	33052	38960	3.98%	0.276%
40	10.504	1428	1431	1437	rBV2	43639	43546	4.44%	0.308%
41	10.663	1453	1458	1460	rVB3	11565	14156	1.44%	0.100%
42	10.739	1468	1471	1475	rVB	234491	206253	21.05%	1.460%
43	10.857	1487	1491	1492	rBV	28521	30789	3.14%	0.218%
44	10.869	1492	1493	1496	rVB2	34729	18476	1.89%	0.131%
45	11.051	1519	1524	1526	rBV3	21398	29359	3.00%	0.208%
46	11.080	1526	1529	1532	rVB3	21525	22051	2.25%	0.156%
47	11.180	1542	1546	1548	rBV5	12559	15296	1.56%	0.108%
48	11.245	1554	1557	1561	rVB2	23022	20999	2.14%	0.149%
49	11.304	1562	1567	1570	rBV4	27492	32350	3.30%	0.229%
50	11.339	1570	1573	1579	rVB2	27304	35626	3.64%	0.252%
51	11.392	1579	1582	1587	rBV	14973	17613	1.80%	0.125%
52	11.445	1587	1591	1593	rBV	940049	755629	77.10%	5.349%
53	11.469	1593	1595	1598	rVV	321062	230341	23.50%	1.631%
54	11.522	1601	1604	1606	rVB	93582	75389	7.69%	0.534%
55	11.551	1606	1609	1612	rBV2	25451	27389	2.79%	0.194%
56	11.604	1615	1618	1623	rVB2	23482	40130	4.09%	0.284%
57	11.674	1627	1630	1633	rVV	31636	33847	3.45%	0.240%
58	11.727	1637	1639	1642	rVV3	15232	19992	2.04%	0.142%
59	11.774	1642	1647	1652	rVB2	29719	39972	4.08%	0.283%
60	11.827	1652	1656	1659	rBV6	11899	14738	1.50%	0.104%
61	11.945	1673	1676	1678	rBV	95946	92959	9.49%	0.658%
62	11.974	1678	1681	1684	rVB	139939	127192	12.98%	0.900%
63	12.022	1686	1689	1692	rVV	40809	41569	4.24%	0.294%
64	12.057	1692	1695	1697	rVV2	109397	121358	12.38%	0.859%
65	12.080	1697	1699	1702	rVB2	57542	46418	4.74%	0.329%
66	12.174	1713	1715	1718	rVB2	31531	28580	2.92%	0.202%
67	12.239	1723	1726	1728	rBV2	62515	59136	6.03%	0.419%
68	12.263	1728	1730	1737	rVB4	39527	48425	4.94%	0.343%
69	12.316	1737	1739	1742	rBV2	17584	19320	1.97%	0.137%
70	12.386	1749	1751	1754	rVV	44696	37521	3.83%	0.266%
71	12.421	1754	1757	1759	rVV	67387	55118	5.62%	0.390%

LSC Area Percent Report

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Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

72	12.445	1759	1761	1763	rVB	59804	42730	4.36%	0.302%
73	12.492	1766	1769	1772	rBV	115189	118614	12.10%	0.840%
74	12.527	1772	1775	1777	rVV3	58349	66299	6.76%	0.469%
75	12.551	1777	1779	1781	rVB2	42265	32543	3.32%	0.230%
76	12.580	1781	1784	1788	rBV	66709	72262	7.37%	0.512%
77	12.657	1794	1797	1801	rBV	531038	437487	44.64%	3.097%
78	12.698	1801	1804	1807	rBV2	60216	70942	7.24%	0.502%
79	12.810	1821	1823	1826	rBV2	30036	33659	3.43%	0.238%
80	12.886	1830	1836	1842	rBV	495813	579313	59.11%	4.101%
81	12.939	1842	1845	1849	rVV2	71179	79843	8.15%	0.565%
82	13.027	1857	1860	1867	rVB	509466	517016	52.75%	3.660%
83	13.098	1869	1872	1880	rVV5	90623	153970	15.71%	1.090%
84	13.163	1880	1883	1885	rVV3	37061	47536	4.85%	0.337%
85	13.192	1885	1888	1889	rVV2	50400	63263	6.46%	0.448%
86	13.216	1889	1892	1894	rVB	107804	107017	10.92%	0.758%
87	13.280	1901	1903	1905	rBV	55179	46561	4.75%	0.330%
88	13.304	1905	1907	1908	rBV	102709	79846	8.15%	0.565%
89	13.410	1923	1925	1928	rBV	50154	44025	4.49%	0.312%
90	13.439	1928	1930	1934	rVV	49272	47646	4.86%	0.337%
91	13.592	1954	1956	1958	rBV3	41465	42764	4.36%	0.303%
92	13.616	1958	1960	1962	rVV2	43455	39570	4.04%	0.280%
93	13.721	1975	1978	1982	rVB	68023	80677	8.23%	0.571%
94	13.863	2000	2002	2004	rBV	41460	29173	2.98%	0.207%
95	13.886	2004	2006	2009	rBV2	62557	72421	7.39%	0.513%
96	14.086	2035	2040	2042	rBV2	874863	936041	95.51%	6.626%
97	14.110	2042	2044	2046	rVB	221345	154322	15.75%	1.092%
98	15.139	2215	2219	2222	rBV	187561	289988	29.59%	2.053%
99	15.510	2280	2282	2289	rVB	107558	137683	14.05%	0.975%
100	15.580	2290	2294	2304	rVB	501315	770456	78.62%	5.454%

Sum of corrected areas: 14126220

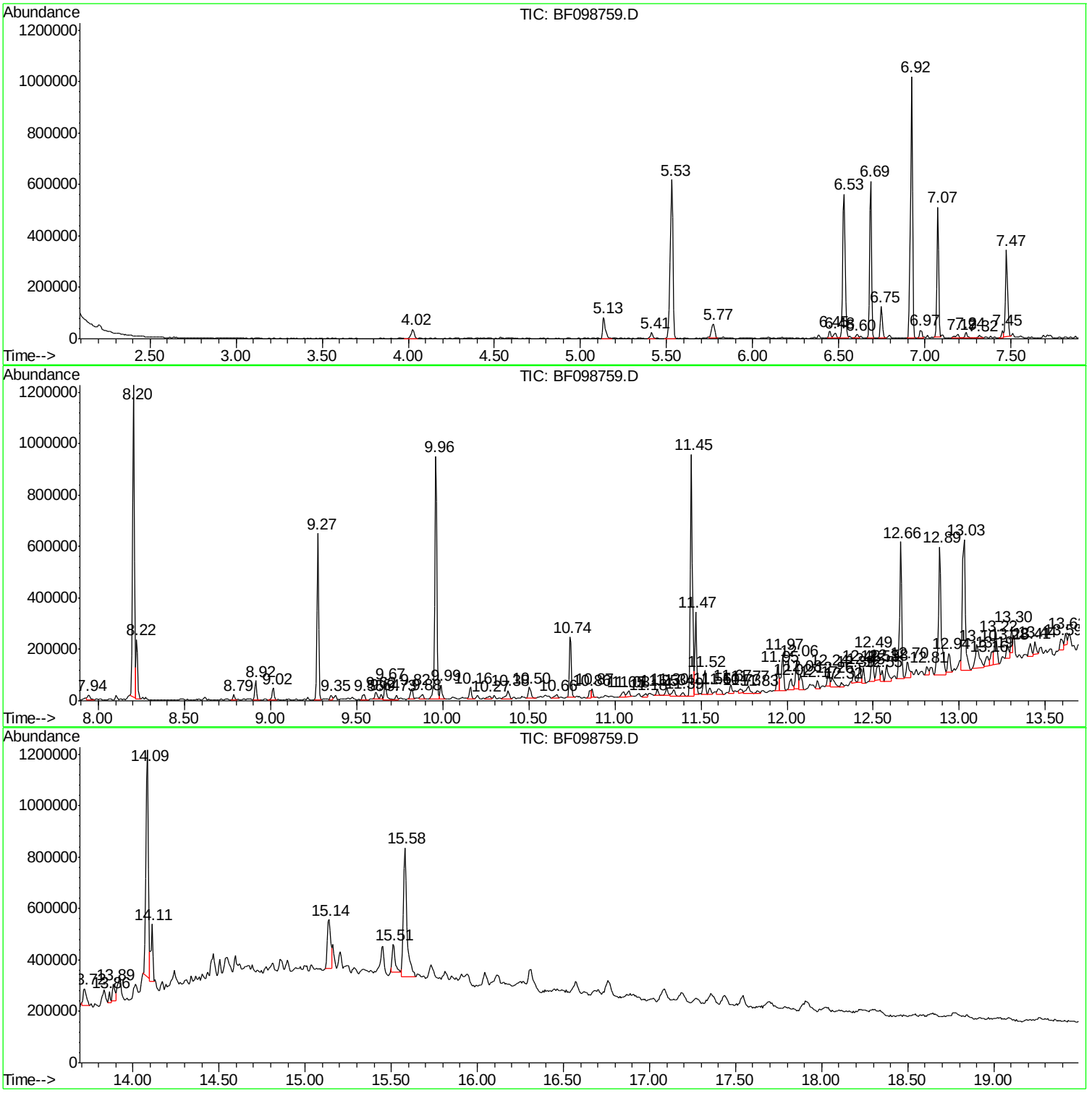
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

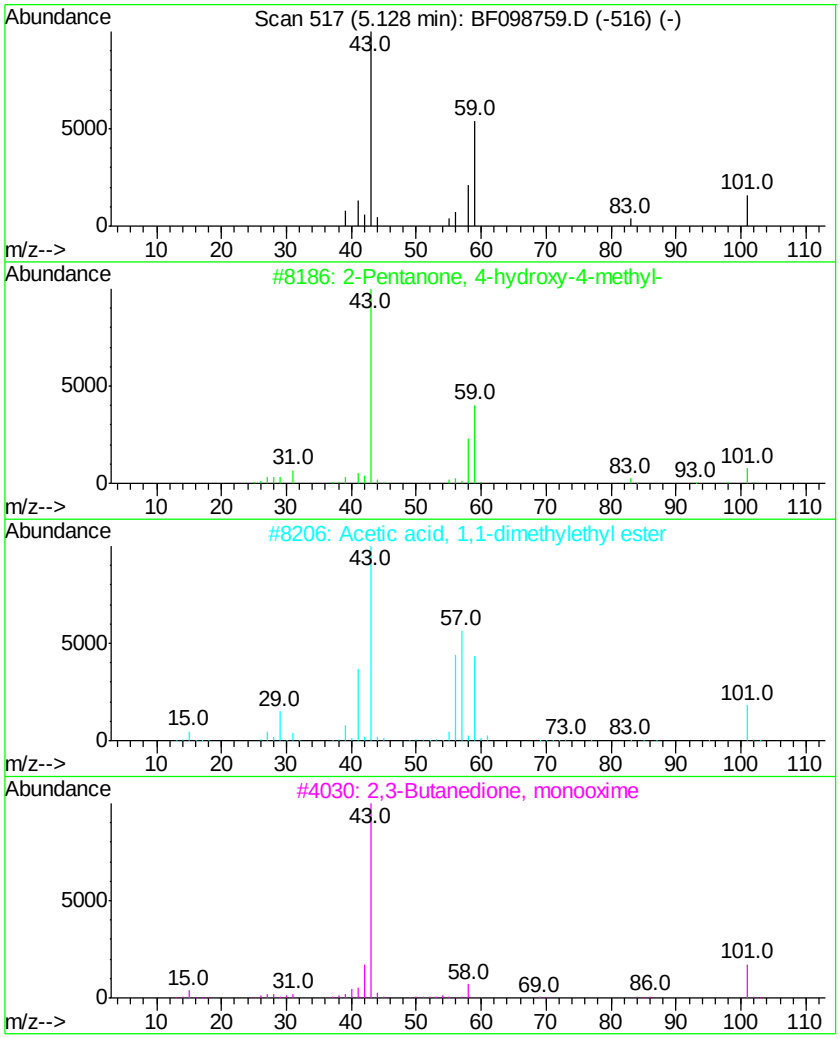
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

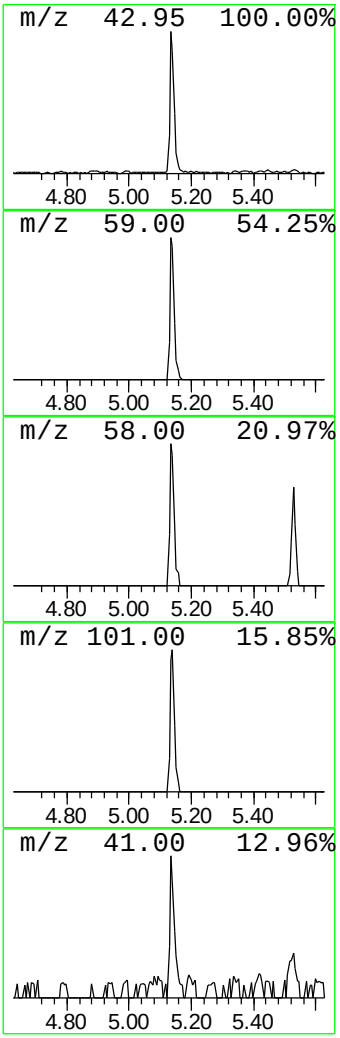
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	2.05 ng	84546	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
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Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

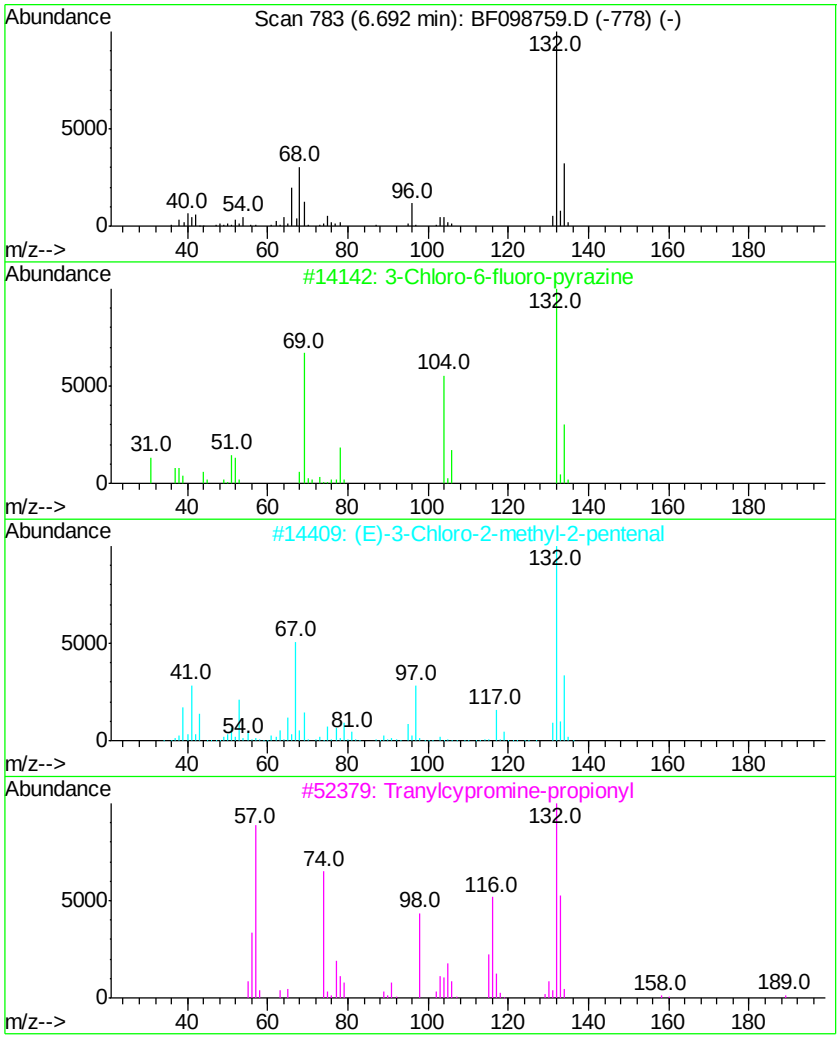
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

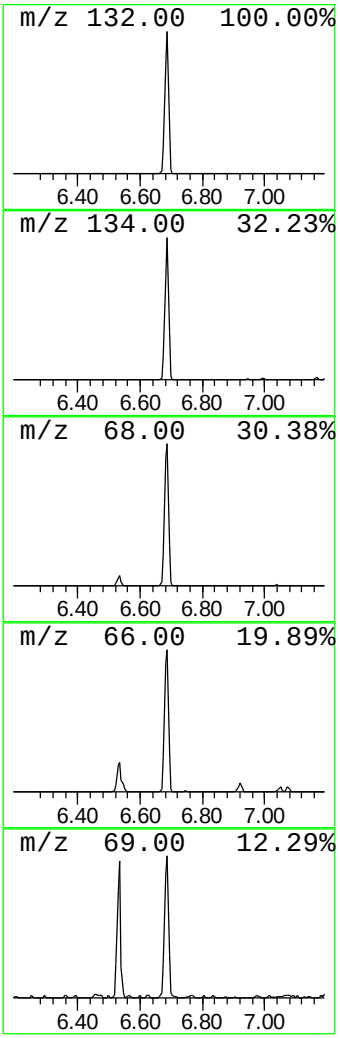
****

Peak Number 2 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	12.38 ng	511066	1,4-Dichlorobenzene-d4	6.92

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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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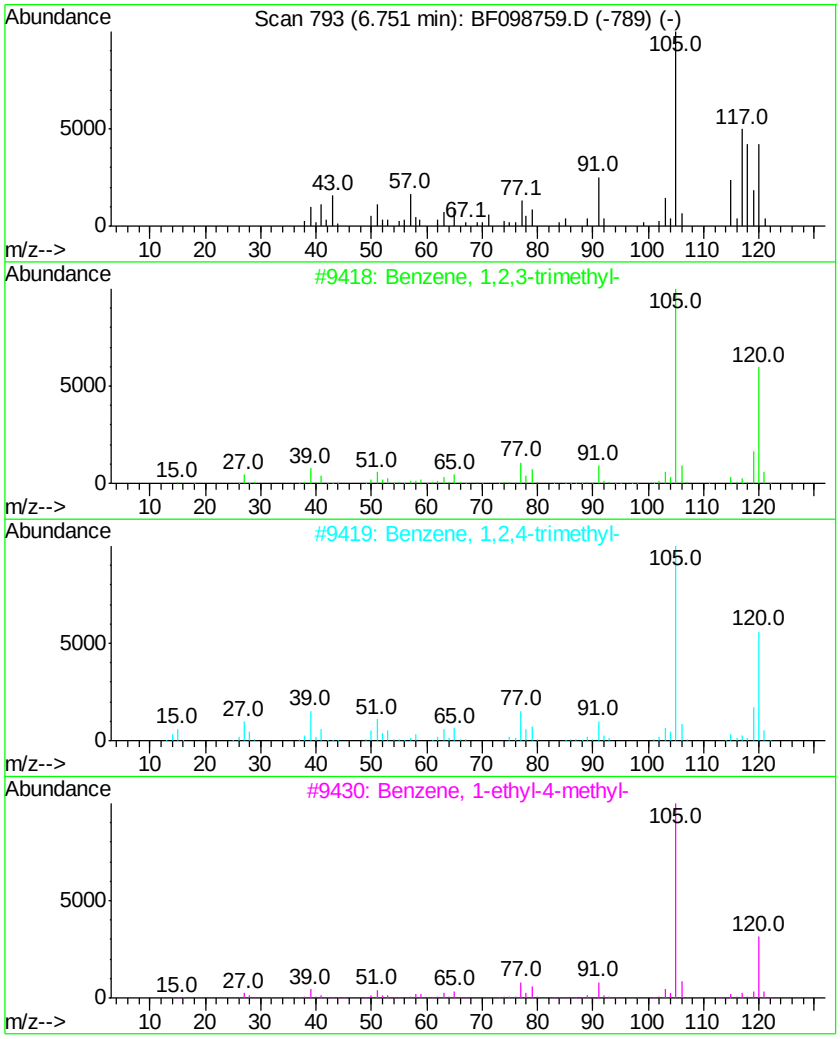
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

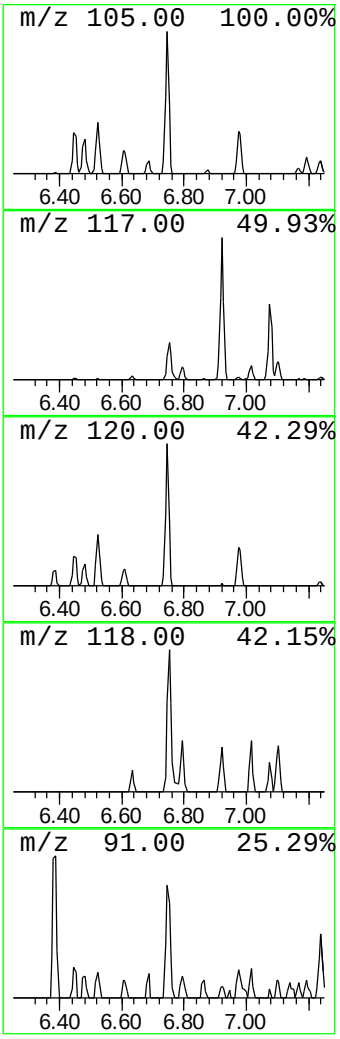
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	2.69 ng	111159	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
4	Mesitylene	120	C9H12	000108-67-8	76
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70





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Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

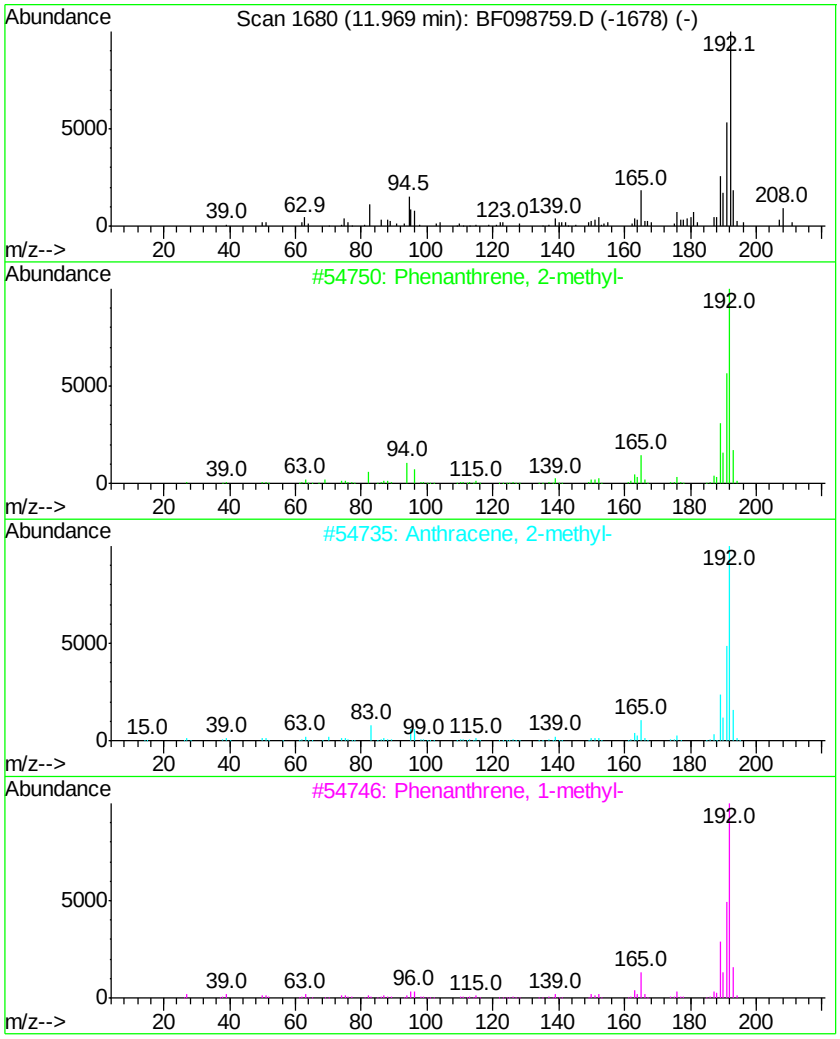
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

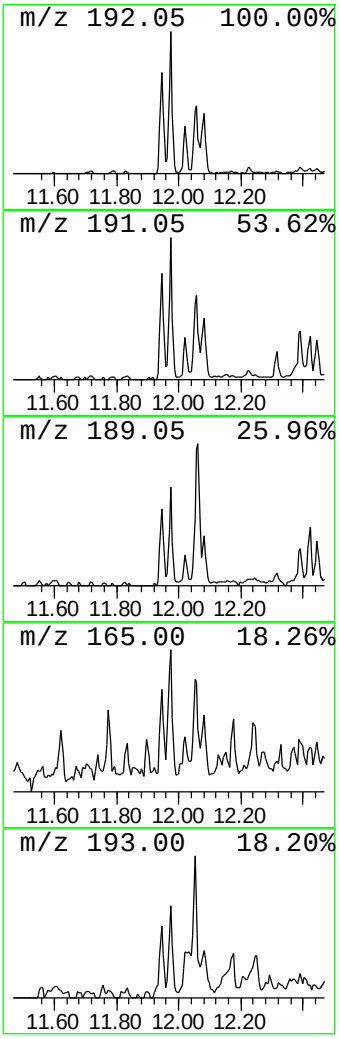
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.37 ng	127192	Phenanthrene-d10	11.45

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

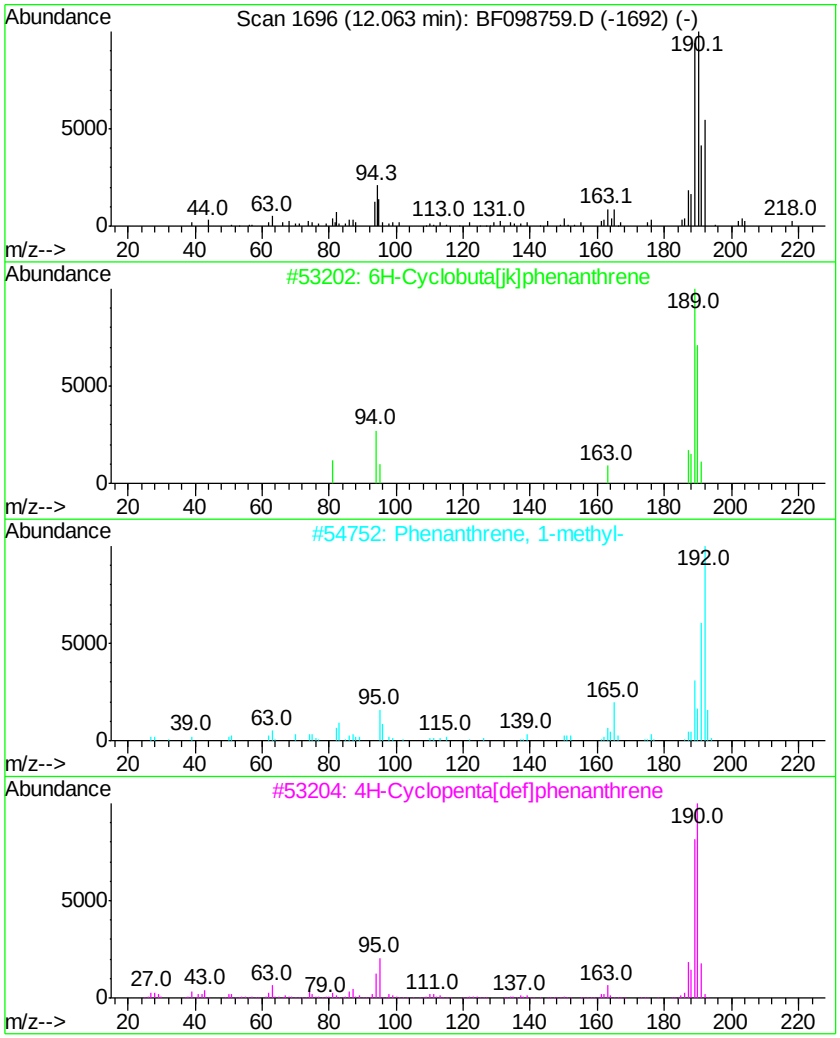
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

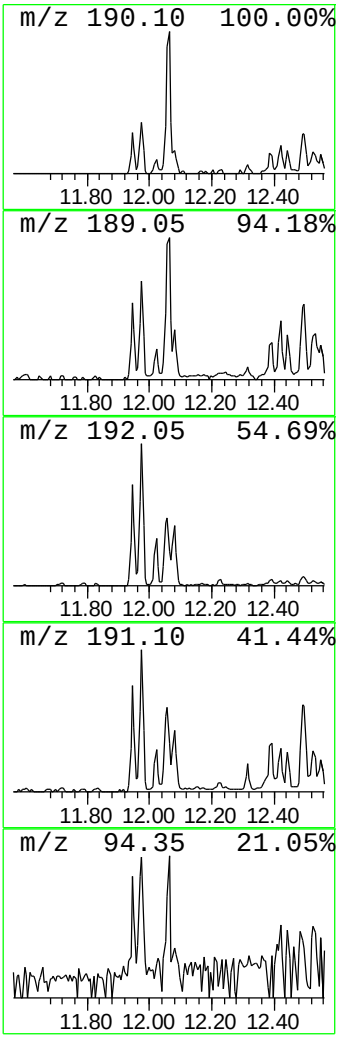
****

Peak Number 7 unknown12.06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.21 ng	121358	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

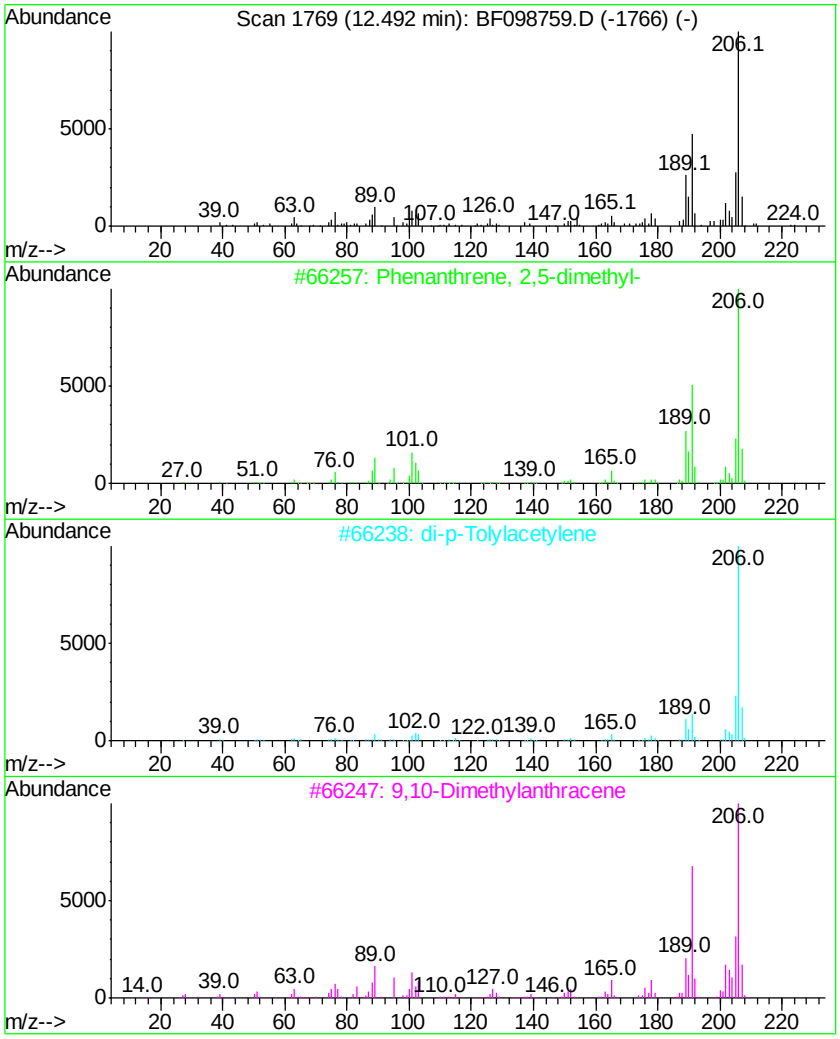
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

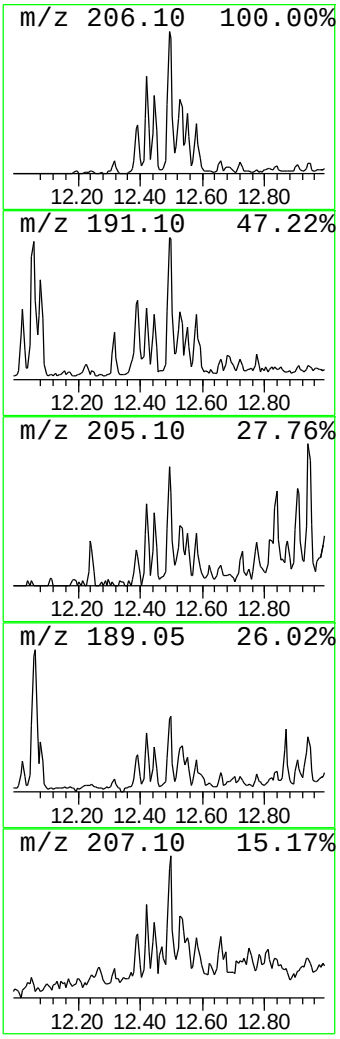
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.14 ng	118614	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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

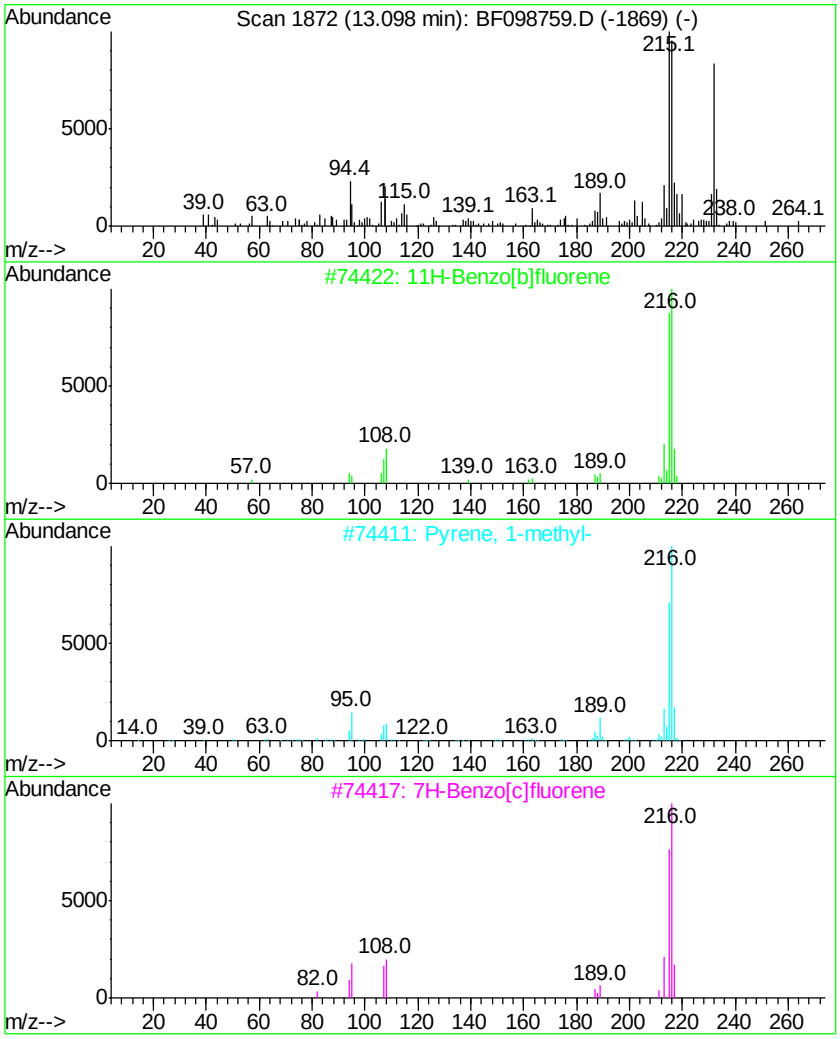
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

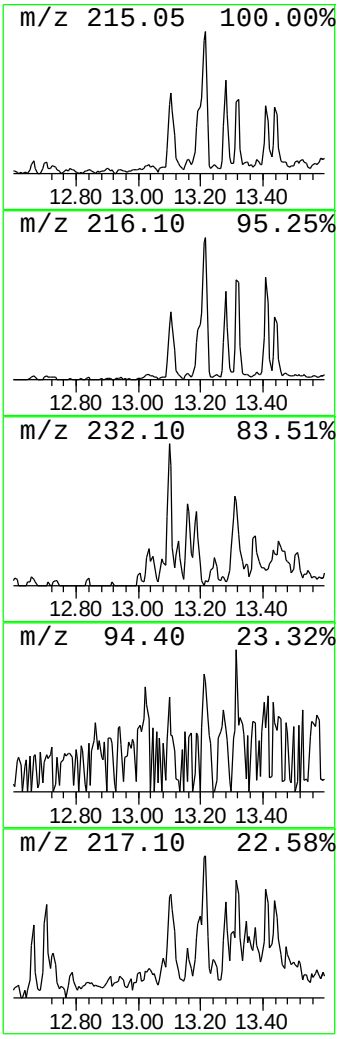
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.29 ng	153970	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	46
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	45
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092317\
Data File : BF098759.D
Acq On : 24 Sep 2017 00:46
Operator : SJ/JU
Sample : I5360-07 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-D-COMP

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
2-Pentanone, 4-hy...	5.13	2.0	ng	84546	1	6.92	825761	20.0
unknown6.69	6.69	12.4	ng	511066	1	6.92	825761	20.0
Benzene, 1,2,3-tr...	6.75	2.7	ng	111159	1	6.92	825761	20.0
Phenanthrene, 2-m...	11.97	3.4	ng	127192	4	11.45	755629	20.0
unknown12.06	12.06	3.2	ng	121358	4	11.45	755629	20.0
Phenanthrene, 2,5...	12.49	3.1	ng	118614	4	11.45	755629	20.0
11H-Benzo[b]fluorene	13.10	3.3	ng	153970	5	14.09	936041	20.0