LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-E-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	2.304	35	37	41	rVB2	10390	13770	1.21%	0.103%
2	4.022	325	329	335	rVB	39345	49864	4.39%	0.373%
3	5.134	516	518	525	rVB	88369	92730	8.17%	0.694%
4	5.410	562	565	570	rVB	21748	19998	1.76%	0.150%
5	5.528	580	585	589	rBV2	652649	659227	58.06%	4.936%
6	5.769	623	626	631	rVB2	54805	71618	6.31%	0.536%
7	6.204	698	700	703	rBV	21631	16691	1.47%	0.125%
8	6.451	739	742	744	rBV	22974	21597	1.90%	0.162%
9	6.481	744	747	749	rVB	19472	16143	1.42%	0.121%
10	6.534	751	756	760	rBV	642028	546283	48.12%	4.091%
11	6.686	778	782	785	rBV	672905	556422	49.01%	4.167%
12	6.745	789	792	798	rBV2	100673	98407	8.67%	0.737%
13	6.922	818	822	826	rBV	898952	714083	62.90%	5.347%
14	6.981	828	832	834	rBV	26243	24337	2.14%	0.182%
15	7.075	845	848	851	rBV	499756	417398	36.76%	3.126%
16	7.192	862	868	872	rVV3	11310	16760	1.48%	0.126%
17	7.239	872	876	882	rVB	18229	16821	1.48%	0.126%
18	7.451	910	912	913	rBV	22963	16314	1.44%	0.122%
19	7.475	913	916	920	rVB	324996	278469	24.53%	2.085%
20	7.945	994	996	1001	rVB4	17176	20840	1.84%	0.156%
21	8.104	1020	1023	1026	rBV	23945	19911	1.75%	0.149%
22	8.204	1036	1040	1042	rBV	991568	799405	70.41%	5.986%
23	8.222	1042	1043	1046	rVB	220383	164824	14.52%	1.234%
24	8.786	1136	1139	1141	rBV2	14717	12434	1.10%	0.093%
25	8.916	1157	1161	1164	rVB	77463	58903	5.19%	0.441%
26	9.016	1174	1178	1181	rVB	53617	41258	3.63%	0.309%
27	9.275	1218	1222	1225	rBV	625327	474650	41.81%	3.554%
28	9.351	1232	1235	1237	rBV2	15755	13717	1.21%	0.103%
29	9.539	1264	1267	1271	rBV2	15050	18459	1.63%	0.138%
30	9.616	1276	1280	1282	rBV	27069	24543	2.16%	0.184%
31	9.669	1286	1289	1294	rVB	58459	51998	4.58%	0.389%
32	9.733	1296	1300	1302	rBV2	15960	13747	1.21%	0.103%
33	9.822	1311	1315	1318	rBV	47130	41865	3.69%	0.313%
34	9.880	1321	1325	1329	rVB3	15822	17917	1.58%	0.134%

LSC Area Percent Report

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Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-E-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	1329	1338	1342	rBV	764824	703225	61.94%	5.266%
36	9.992	1342	1344	1346	rVB	42779	31201	2.75%	0.234%
37	10.116	1360	1365	1367	rBV4	6969	11602	1.02%	0.087%
38	10.163	1367	1373	1376	rVB2	39638	39372	3.47%	0.295%
39	10.198	1376	1379	1383	rBV3	14435	14146	1.25%	0.106%
40	10.380	1403	1410	1413	rBV2	24839	29773	2.62%	0.223%
41	10.504	1428	1431	1438	rVB2	40412	39975	3.52%	0.299%
42	10.574	1438	1443	1445	rBV3	8412	12024	1.06%	0.090%
43	10.739	1468	1471	1476	rVB	267364	247251	21.78%	1.851%
44	10.857	1488	1491	1492	rBV2	33690	34834	3.07%	0.261%
45	10.945	1499	1506	1509	rBV6	9590	16885	1.49%	0.126%
46	11.051	1519	1524	1527	rBV4	16880	27068	2.38%	0.203%
47	11.180	1542	1546	1548	rBV5	10630	14613	1.29%	0.109%
48	11.245	1554	1557	1561	rVB	25401	23257	2.05%	0.174%
49	11.298	1562	1566	1570	rBV5	21207	27567	2.43%	0.206%
50	11.339	1570	1573	1578	rVB2	26841	32214	2.84%	0.241%
51	11.398	1579	1583	1587	rBV	14579	16222	1.43%	0.121%
52	11.445	1587	1591	1593	rBV	864255	711722	62.69%	5.330%
53	11.469	1593	1595	1598	rVV	325698	243468	21.44%	1.823%
54	11.521	1601	1604	1607	rVB	107797	83029	7.31%	0.622%
55	11.551	1607	1609	1613	rBV4	15678	17554	1.55%	0.131%
56	11.674	1623	1630	1633	rBV2	37410	54130	4.77%	0.405%
57	11.733	1636	1640	1644	rVB5	15621	27321	2.41%	0.205%
58	11.774	1644	1647	1650	rBV2	21948	17605	1.55%	0.132%
59	11.945	1673	1676	1679	rBV2	60240	83976	7.40%	0.629%
60	11.974	1679	1681	1684	rVV	91270	71724	6.32%	0.537%
61	12.021	1686	1689	1692	rVV	32823	31691	2.79%	0.237%
62	12.057	1692	1695	1698	rVV2	99820	116986	10.30%	0.876%
63	12.080	1698	1699	1702	rVB	48352	26696	2.35%	0.200%
64	12.133	1706	1708	1712	rVB5	14053	17343	1.53%	0.130%
65	12.239	1723	1726	1728	rBV2	43773	34459	3.04%	0.258%
66	12.263	1728	1730	1734	rVB2	30980	28213	2.48%	0.211%
67	12.392	1750	1752	1754	rVB2	22515	16106	1.42%	0.121%
68	12.421	1755	1757	1759	rVB	19040	12436	1.10%	0.093%
69	12.445	1759	1761	1763	rVB	21420	17656	1.56%	0.132%
70	12.492	1763	1769	1772	rBV2	66540	114723	10.10%	0.859%
71	12.527	1772	1775	1778	rVV4	36447	43944	3.87%	0.329%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-E-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

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Peak separation: 5

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

72	12.580	1781	1784	1789	rVV4	42393	46791	4.12%	0.350%
73	12.657	1794	1797	1801	rVV	524465	437622	38.55%	3.277%
74	12.698	1801	1804	1810	rVV7	39453	66812	5.88%	0.500%
75	12.751	1810	1813	1815	rVV	32337	30433	2.68%	0.228%
76	12.810	1821	1823	1826	rBV	30096	30134	2.65%	0.226%
77	12.886	1830	1836	1842	rBV	504609	605978	53.37%	4.538%
78	13.027	1854	1860	1866	rBV	625246	588956	51.87%	4.410%
79	13.104	1870	1873	1876	rBV4	43028	66073	5.82%	0.495%
80	13.215	1890	1892	1896	rVB2	82244	71477	6.30%	0.535%
81	13.251	1896	1898	1901	rBV3	29995	33270	2.93%	0.249%
82	13.280	1901	1903	1905	rBV	47241	41667	3.67%	0.312%
83	13.304	1905	1907	1909	rBV2	116258	107380	9.46%	0.804%
84	13.410	1923	1925	1928	rVB	41876	35631	3.14%	0.267%
85	13.445	1928	1931	1934	rBV	46359	55987	4.93%	0.419%
86	13.721	1975	1978	1983	rBV	52968	58725	5.17%	0.440%
87	14.086	2033	2040	2043	rBV2	888990	1135342	100.00%	8.502%
88	14.110	2043	2044	2049	rVB	282172	197558	17.40%	1.479%
89	15.139	2215	2219	2222	rBV	214060	334707	29.48%	2.506%
90	15.509	2280	2282	2289	rVB	119486	169785	14.95%	1.271%
91	15.580	2290	2294	2305	rVB	468926	726413	63.98%	5.440%

Sum of corrected areas: 13354155

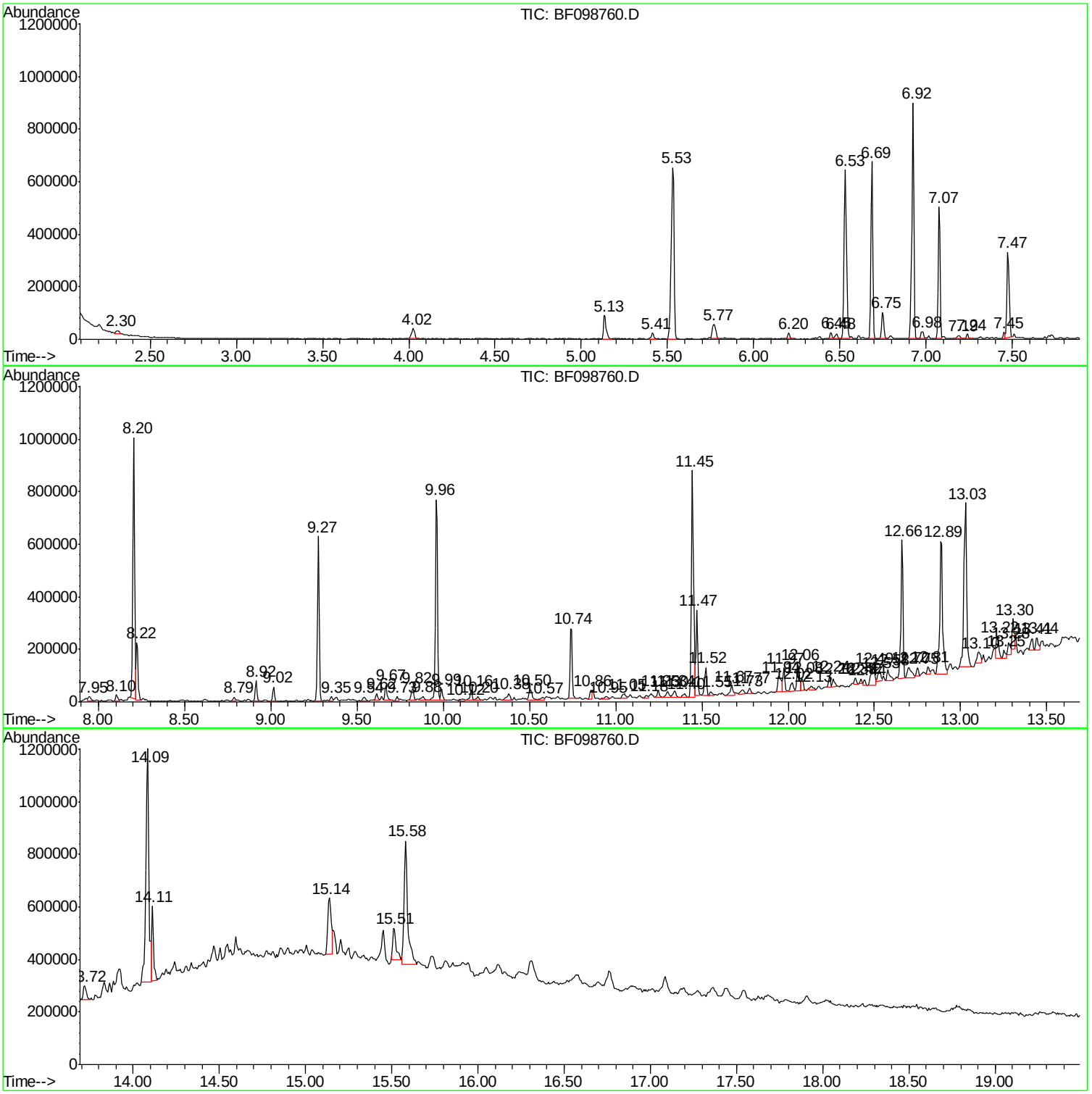
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-E-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 : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
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ALS Vial : 24 Sample Multiplier: 1

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

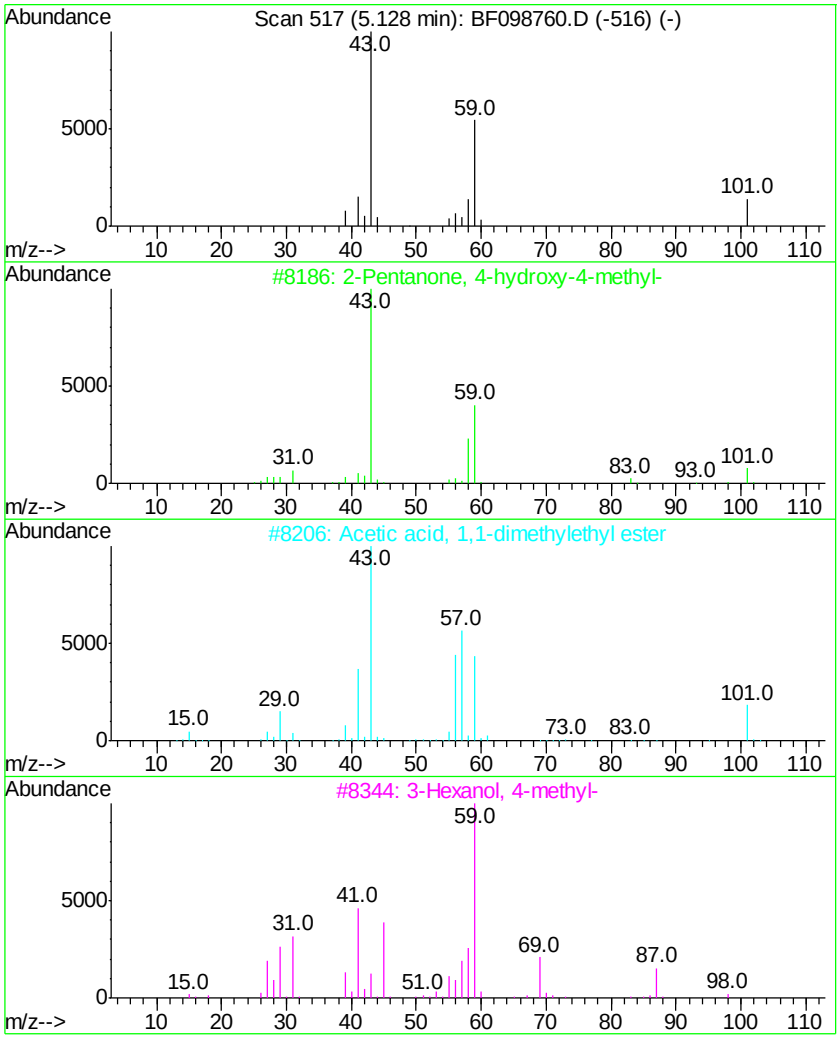
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

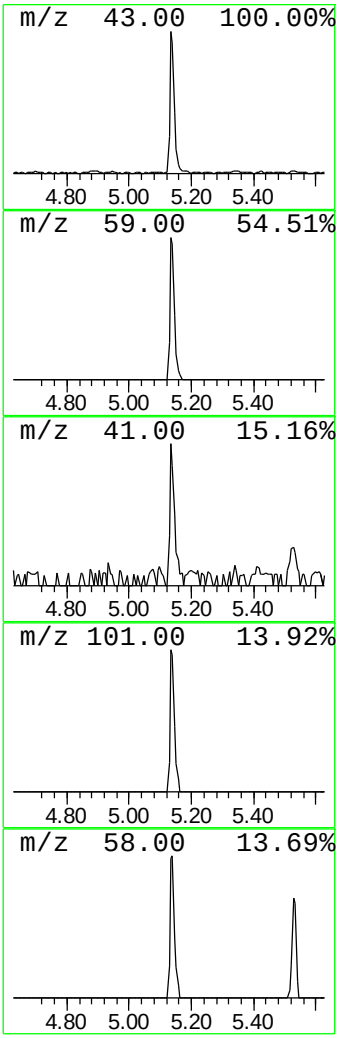
****

Peak Number 1 unknown5.13 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	2.60 ng	92730	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	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

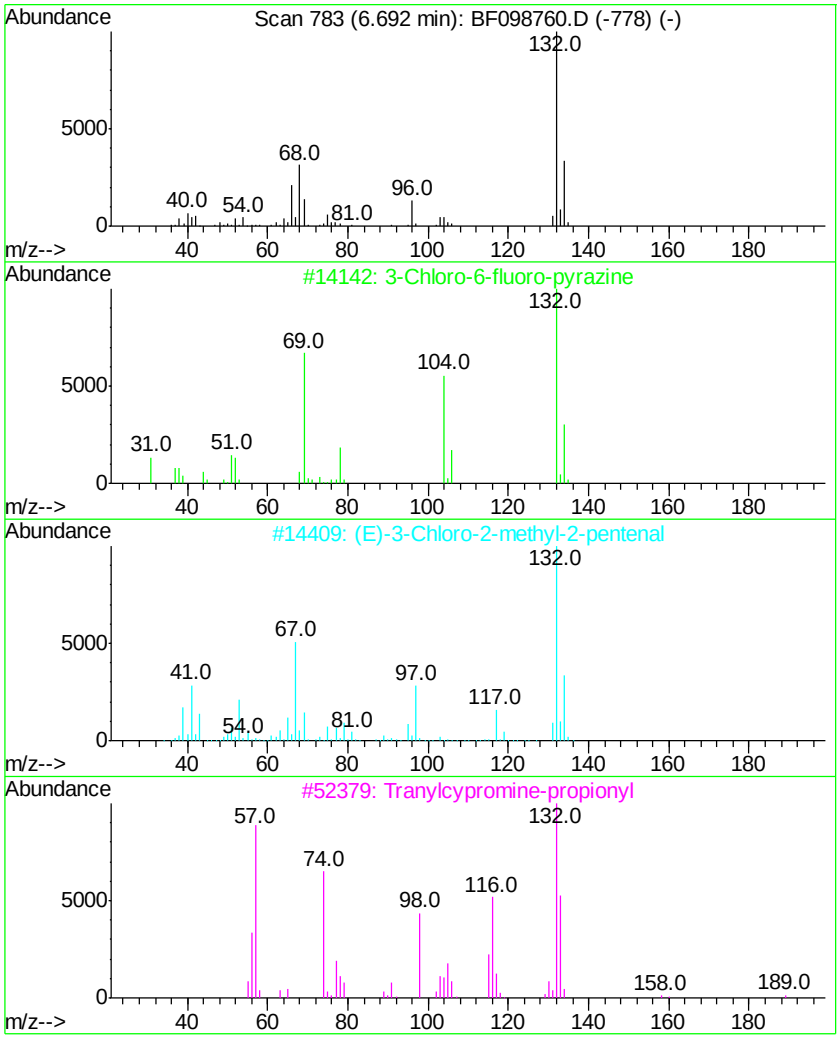
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

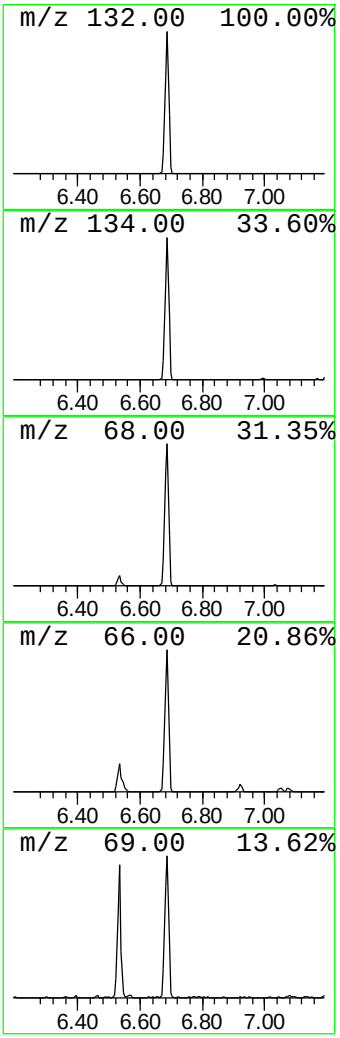
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	15.58 ng	556422	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	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





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Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

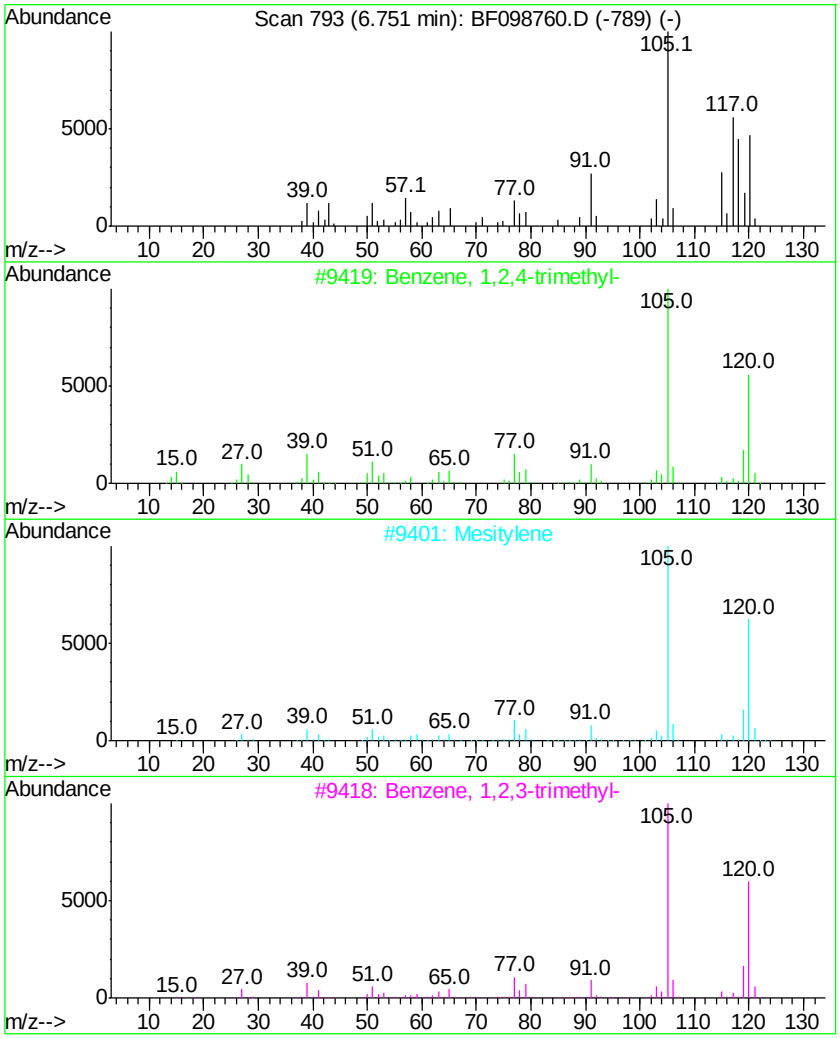
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

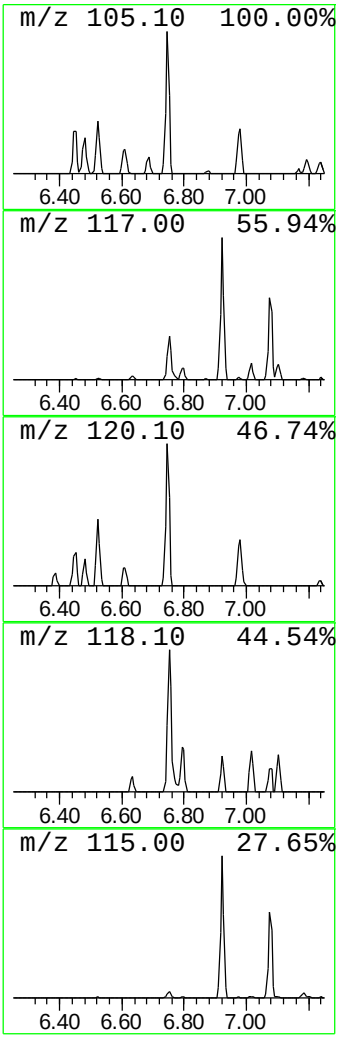
****

Peak Number 4 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	2.76 ng	98407	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
2	Mesitylene	120	C9H12	000108-67-8	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

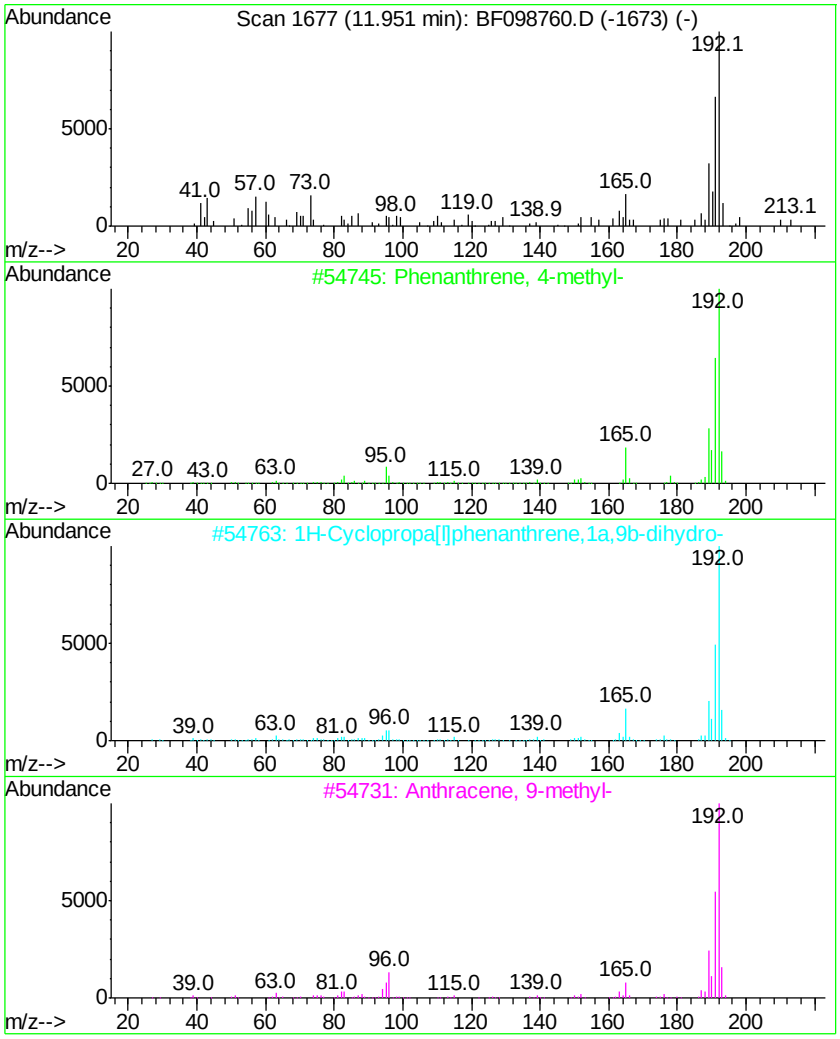
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

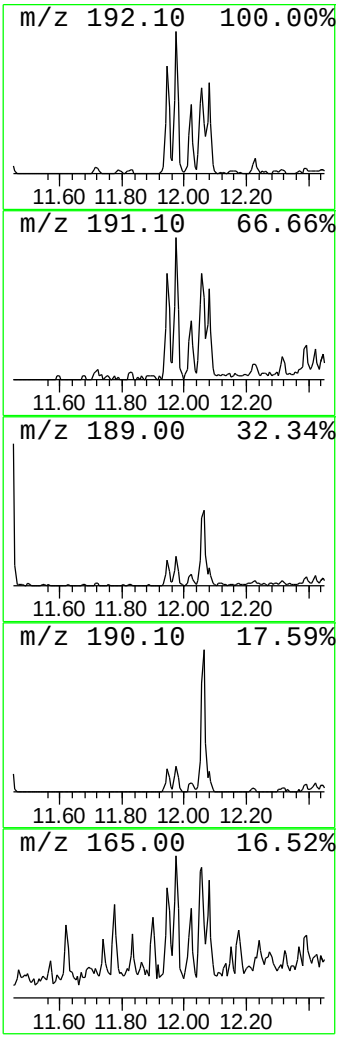
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.36 ng	83976	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

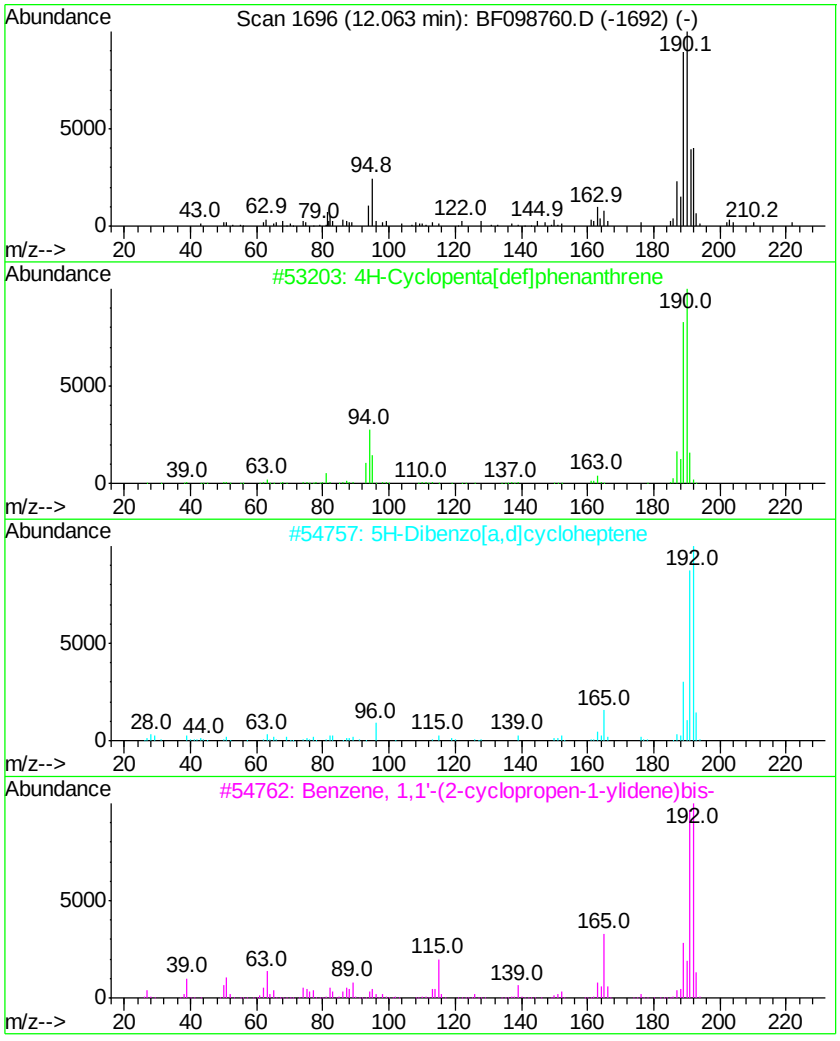
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

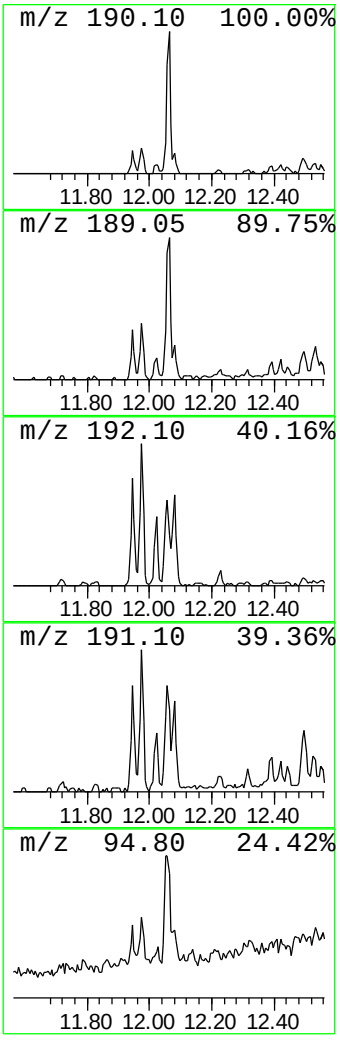
****

Peak Number 8 unknown12.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.29 ng	116986	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Pyrazine, tetraethyl-	192	C12H20N2	038325-19-8	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
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Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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

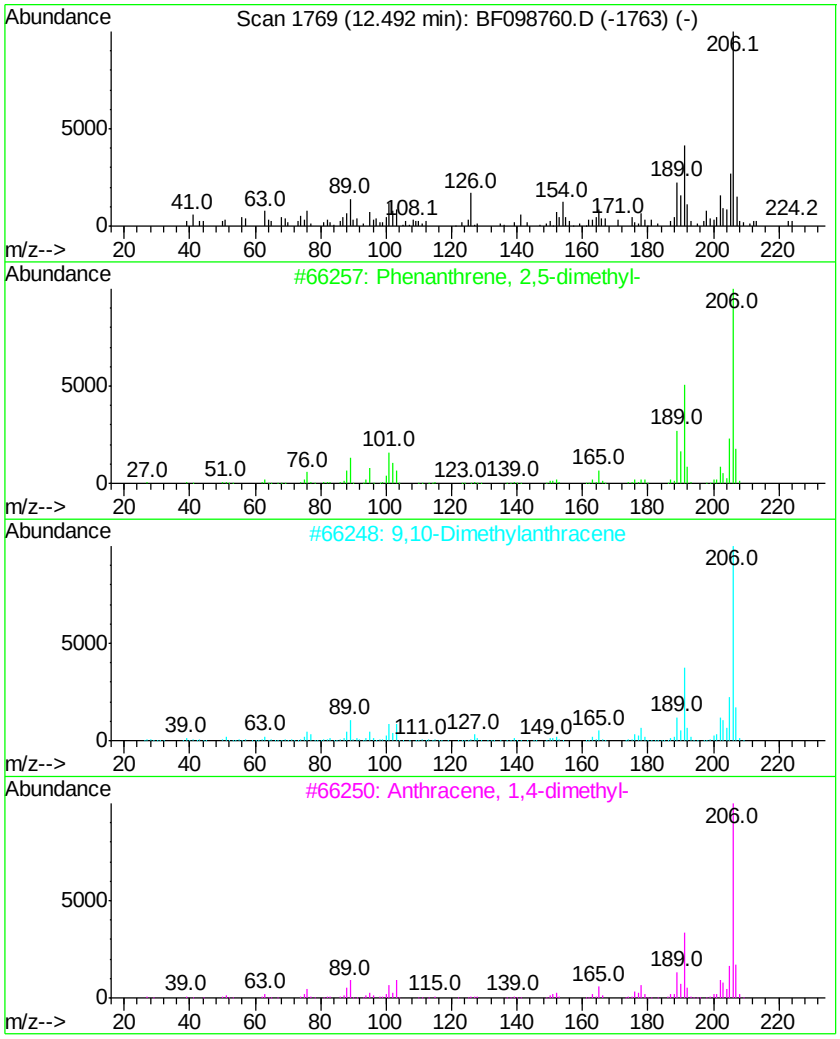
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

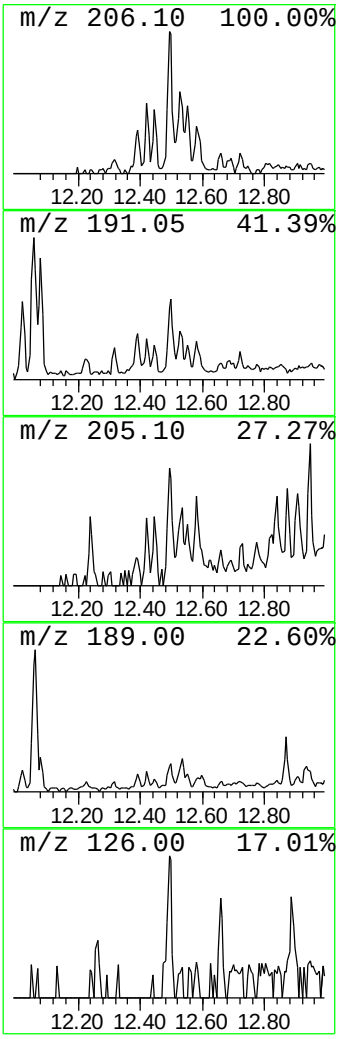
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.22 ng	114723	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-E-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
unknown5.13	5.13	2.6	ng	92730	1	6.92	714083	20.0
unknown6.69	6.69	15.6	ng	556422	1	6.92	714083	20.0
Benzene, 1,2,4-tr...	6.75	2.8	ng	98407	1	6.92	714083	20.0
Phenanthrene, 4-m...	11.95	2.4	ng	83976	4	11.45	711722	20.0
unknown12.06	12.06	3.3	ng	116986	4	11.45	711722	20.0
Phenanthrene, 2,5...	12.49	3.2	ng	114723	4	11.45	711722	20.0