LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

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-BF041717.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	2.960	170	174	180	rBV	183161	198962	9.83%	0.907%
2	4.160	374	378	382	rBV	159548	154597	7.64%	0.705%
3	4.266	392	396	397	rBV	206002	219570	10.85%	1.001%
4	4.331	404	407	421	rVB	100116	121988	6.03%	0.556%
5	4.519	434	439	443	rBV2	339909	464173	22.93%	2.117%
6	4.631	455	458	466	rBV	78828	82385	4.07%	0.376%
7	5.237	558	561	564	rBV	106171	92320	4.56%	0.421%
8	5.272	564	567	572	rVV	61396	59034	2.92%	0.269%
9	5.319	572	575	582	rVB	101620	98168	4.85%	0.448%
10	5.413	587	591	594	rVV2	100264	141508	6.99%	0.645%
11	5.519	604	609	614	rBV	238987	245759	12.14%	1.121%
12	5.572	614	618	624	rVV2	303427	392318	19.38%	1.789%
13	5.619	624	626	632	rVB	113713	106758	5.27%	0.487%
14	5.760	646	650	654	rBV	708718	610821	30.18%	2.786%
15	5.801	654	657	659	rVV	168346	142601	7.05%	0.650%
16	5.825	659	661	664	rVV	137046	137873	6.81%	0.629%
17	5.854	664	666	668	rVB	97893	76983	3.80%	0.351%
18	5.936	676	680	683	rBV	256671	248646	12.28%	1.134%
19	6.054	696	700	703	rBV	904162	793192	39.19%	3.618%
20	6.136	710	714	719	rVB2	60536	57507	2.84%	0.262%
21	6.384	752	756	757	rBV	85524	71239	3.52%	0.325%
22	6.407	757	760	763	rVV	231511	221850	10.96%	1.012%
23	6.478	769	772	775	rVV	74874	78937	3.90%	0.360%
24	6.513	775	778	783	rVB2	57775	63684	3.15%	0.290%
25	6.642	796	800	806	rVB2	41191	51171	2.53%	0.233%
26	6.689	806	808	812	rVB	51552	49009	2.42%	0.224%
27	6.848	831	835	838	rBV2	63082	66134	3.27%	0.302%
28	6.954	847	853	858	rBV2	175071	263238	13.01%	1.201%
29	7.001	858	861	867	rVB	196591	276464	13.66%	1.261%
30	7.101	874	878	880	rBV2	63411	62343	3.08%	0.284%
31	7.254	898	904	906	rBV	854975	835188	41.26%	3.809%
32	7.283	906	909	912	rVV	2266301	2024097	100.00%	9.232%
33	7.472	938	941	948	rBV3	51115	79328	3.92%	0.362%
34	7.778	990	993	999	rBV4	71674	141477	6.99%	0.645%

LSC Area Percent Report

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Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.825	999	1001	1004	rVV	53556	58427	2.89%	0.266%
36	7.872	1008	1009	1016	rVV2	38565	47336	2.34%	0.216%
37	8.054	1036	1040	1046	rVB5	28154	60179	2.97%	0.274%
38	8.119	1046	1051	1058	rBV	495008	499693	24.69%	2.279%
39	8.236	1067	1071	1084	rVB	611494	619394	30.60%	2.825%
40	8.572	1124	1128	1133	rVB	534712	442721	21.87%	2.019%
41	8.689	1145	1148	1151	rBV	171902	157682	7.79%	0.719%
42	8.777	1156	1163	1165	rBV6	33404	47897	2.37%	0.218%
43	8.807	1165	1168	1173	rVB	71397	103324	5.10%	0.471%
44	8.889	1178	1182	1186	rVV3	45429	78694	3.89%	0.359%
45	8.977	1193	1197	1200	rVV	132340	140493	6.94%	0.641%
46	9.013	1200	1203	1208	rVV	101503	116100	5.74%	0.530%
47	9.060	1208	1211	1213	rVV	217413	214593	10.60%	0.979%
48	9.077	1213	1214	1218	rVV	122358	89562	4.42%	0.408%
49	9.119	1218	1221	1229	rVB3	71727	116007	5.73%	0.529%
50	9.213	1233	1237	1243	rBV	1056900	1032715	51.02%	4.710%
51	9.389	1263	1267	1271	rVB	868895	834920	41.25%	3.808%
52	9.425	1271	1273	1277	rVB	213022	179087	8.85%	0.817%
53	9.536	1287	1292	1295	rBV2	27414	51292	2.53%	0.234%
54	9.636	1306	1309	1319	rVB2	77512	114311	5.65%	0.521%
55	9.783	1328	1334	1336	rBV3	59142	74315	3.67%	0.339%
56	9.889	1349	1352	1358	rBV2	55712	90885	4.49%	0.415%
57	9.948	1358	1362	1365	rVB	99077	90714	4.48%	0.414%
58	10.001	1369	1371	1373	rVV	86376	80970	4.00%	0.369%
59	10.030	1373	1376	1378	rVV	63369	62007	3.06%	0.283%
60	10.066	1378	1382	1386	rVB	329903	347452	17.17%	1.585%
61	10.130	1390	1393	1397	rBV2	35944	56551	2.79%	0.258%
62	10.336	1422	1428	1430	rVV2	79316	87300	4.31%	0.398%
63	10.366	1430	1433	1437	rVB2	190502	196253	9.70%	0.895%
64	10.566	1464	1467	1470	rBV	59060	62877	3.11%	0.287%
65	10.730	1492	1495	1499	rVV4	44928	74614	3.69%	0.340%
66	10.854	1511	1516	1519	rBV3	32741	58094	2.87%	0.265%
67	10.966	1531	1535	1537	rBV5	36352	47684	2.36%	0.217%
68	10.995	1537	1540	1546	rVB2	65954	78773	3.89%	0.359%
69	11.083	1552	1555	1558	rVV	65427	71374	3.53%	0.326%
70	11.118	1558	1561	1566	rVB4	55532	62921	3.11%	0.287%
71	11.213	1571	1577	1579	rBV	827538	840998	41.55%	3.836%

LSC Area Percent Report

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Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.242	1579	1582	1586	rVV	884412	816881	40.36%	3.726%
73	11.301	1587	1592	1598	rBV	185048	202721	10.02%	0.925%
74	11.718	1661	1663	1670	rBV	36706	52914	2.61%	0.241%
75	11.836	1680	1683	1686	rBV	75614	78880	3.90%	0.360%
76	11.871	1686	1689	1693	rVB	118766	114898	5.68%	0.524%
77	11.948	1693	1702	1703	rBV2	152431	178624	8.82%	0.815%
78	11.966	1703	1705	1708	rVV	168319	195957	9.68%	0.894%
79	11.995	1708	1710	1718	rVB	135592	155907	7.70%	0.711%
80	12.207	1742	1746	1750	rVB2	72241	84022	4.15%	0.383%
81	12.389	1771	1777	1781	rBV3	63362	85302	4.21%	0.389%
82	12.436	1781	1785	1792	rBV	166777	214884	10.62%	0.980%
83	12.589	1808	1811	1814	rVB	78123	79263	3.92%	0.362%
84	12.701	1827	1830	1834	rVB	312572	310227	15.33%	1.415%
85	12.777	1839	1843	1846	rBV4	45552	50705	2.51%	0.231%
86	12.818	1846	1850	1855	rVB	81074	100536	4.97%	0.459%
87	12.918	1863	1867	1873	rBV3	131051	160977	7.95%	0.734%
88	12.977	1873	1877	1881	rVV	438115	431236	21.31%	1.967%
89	13.077	1891	1894	1898	rVB3	47127	58891	2.91%	0.269%
90	13.183	1908	1912	1916	rBV	412726	407675	20.14%	1.859%
91	13.265	1921	1926	1930	rBV	41550	58721	2.90%	0.268%
92	13.348	1936	1940	1946	rBV	125867	152836	7.55%	0.697%
93	13.524	1967	1970	1974	rVB2	43257	58221	2.88%	0.266%
94	13.671	1992	1995	1999	rBV	49284	60015	2.97%	0.274%
95	14.354	2105	2111	2117	rBV	66240	100733	4.98%	0.459%
96	14.465	2124	2130	2133	rBV	680155	846519	41.82%	3.861%
97	14.495	2133	2135	2142	rVB2	66003	81596	4.03%	0.372%
98	15.565	2315	2317	2322	rVB	42597	47861	2.36%	0.218%
99	16.036	2394	2397	2402	rBV	55193	67170	3.32%	0.306%
100	16.089	2402	2406	2414	rBV	467363	553410	27.34%	2.524%

Sum of corrected areas: 21925113

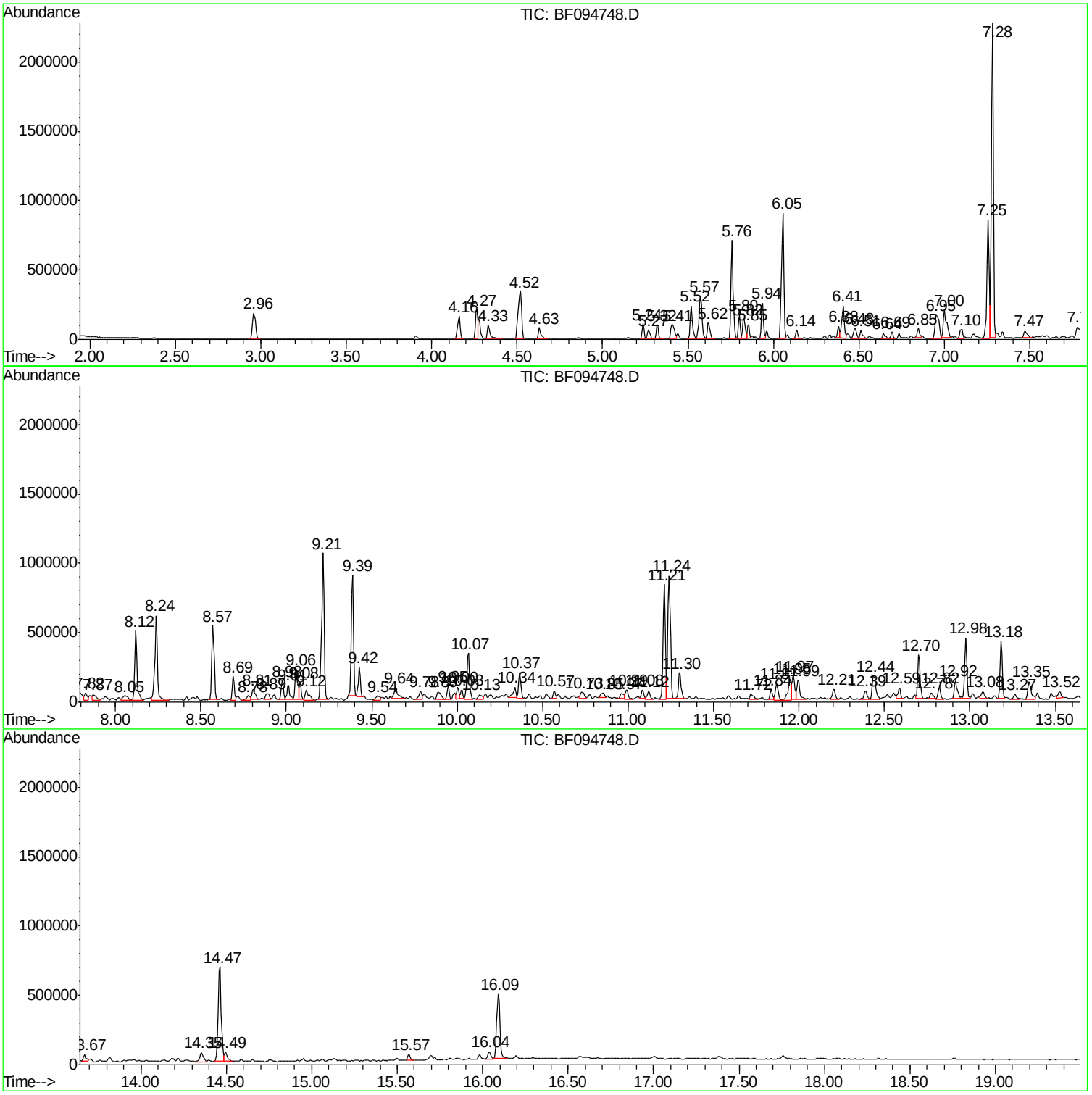
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

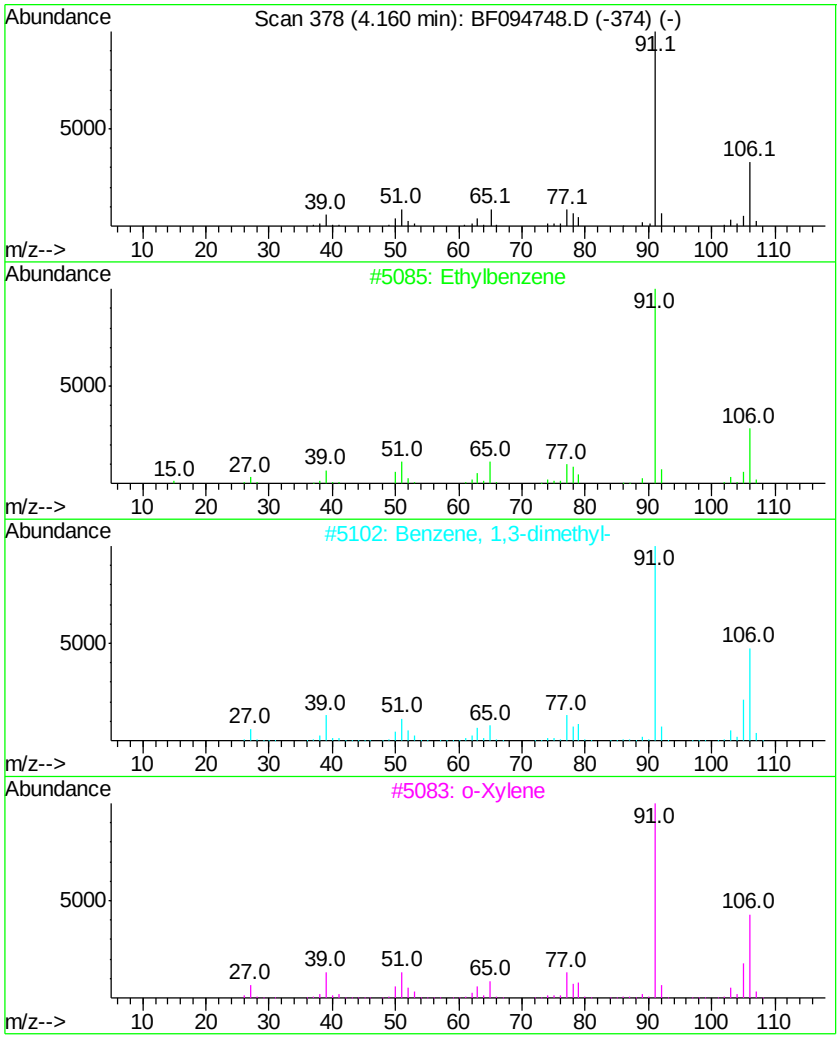
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

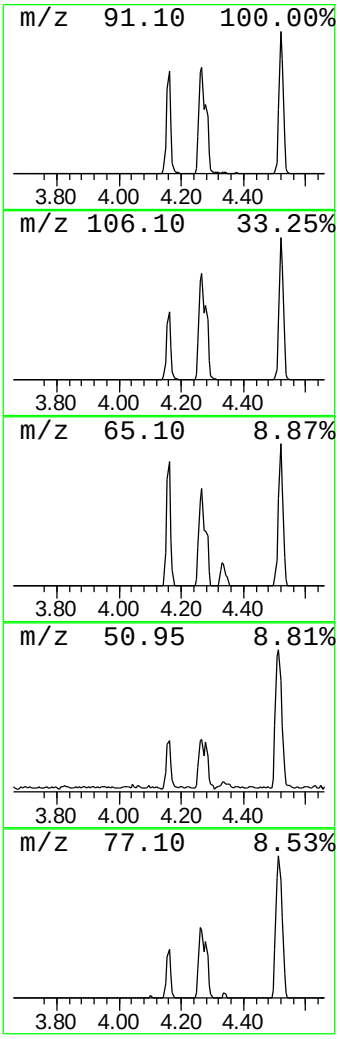
****

Peak Number 2 Ethylbenzene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	5.06 ng	154597	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	91
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	76
3	o-Xylene	106	C8H10	000095-47-6	76
4	p-Xylene	106	C8H10	000106-42-3	68
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

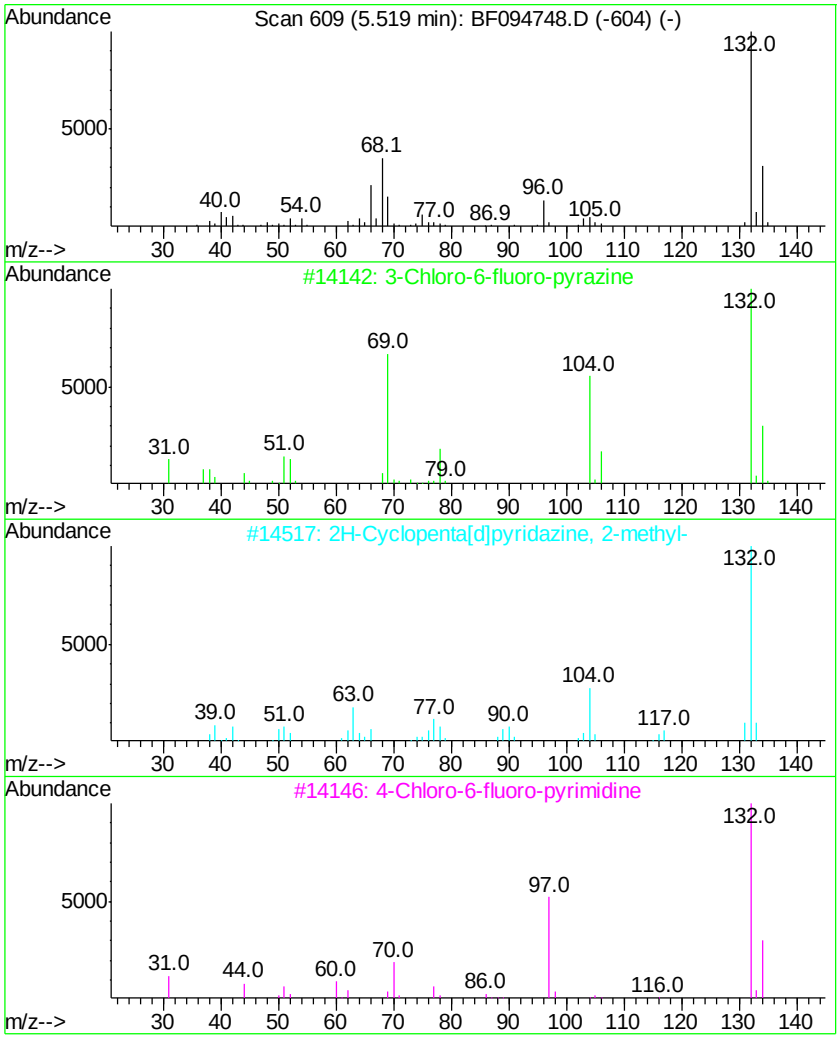
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

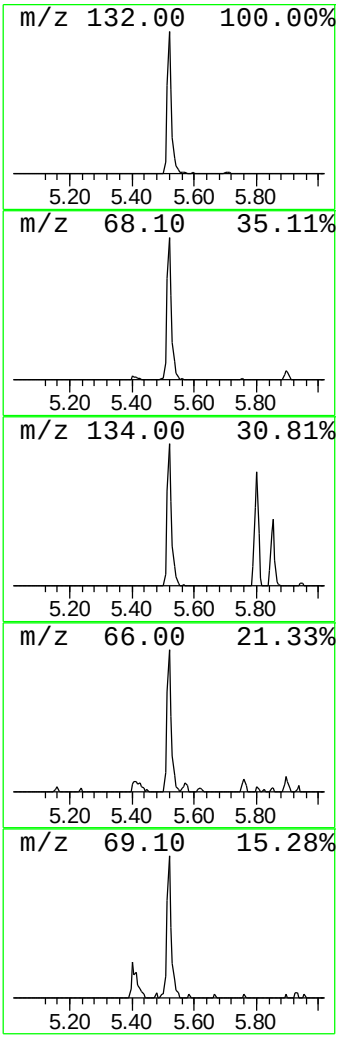
****

Peak Number 5 unknown5.52 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	8.05 ng	245759	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Sample : I2902-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

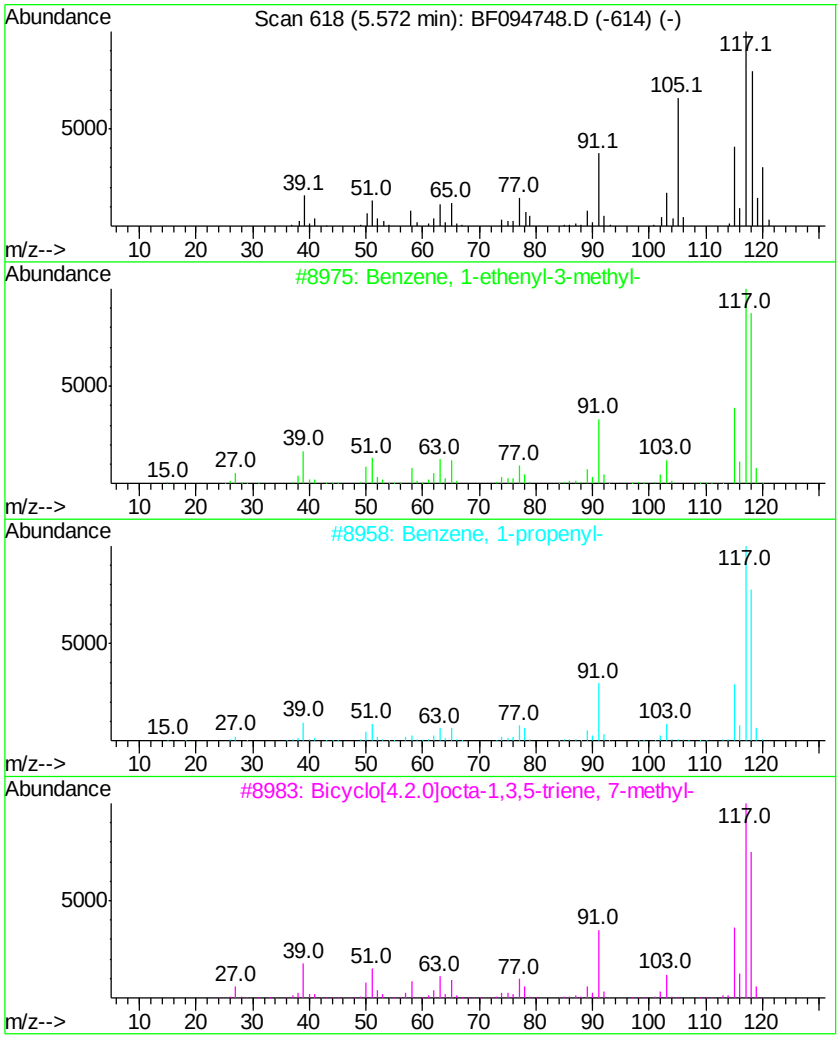
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

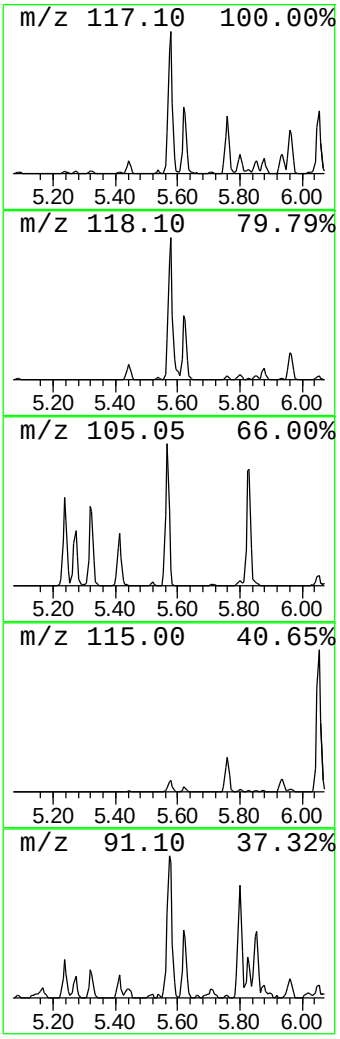
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	12.85 ng	392318	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	92
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	92
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

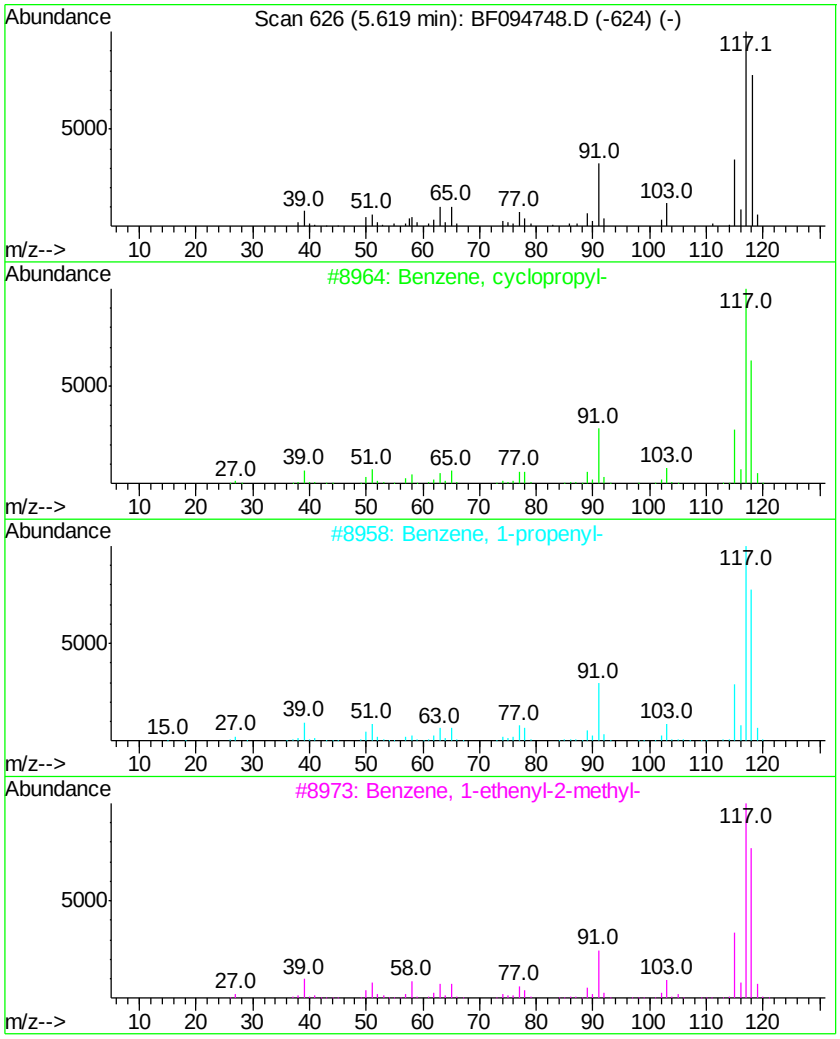
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

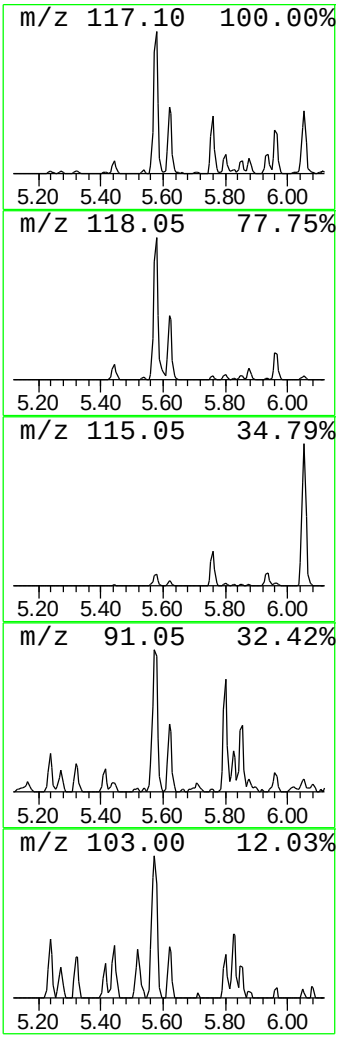
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	3.50 ng	106758	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

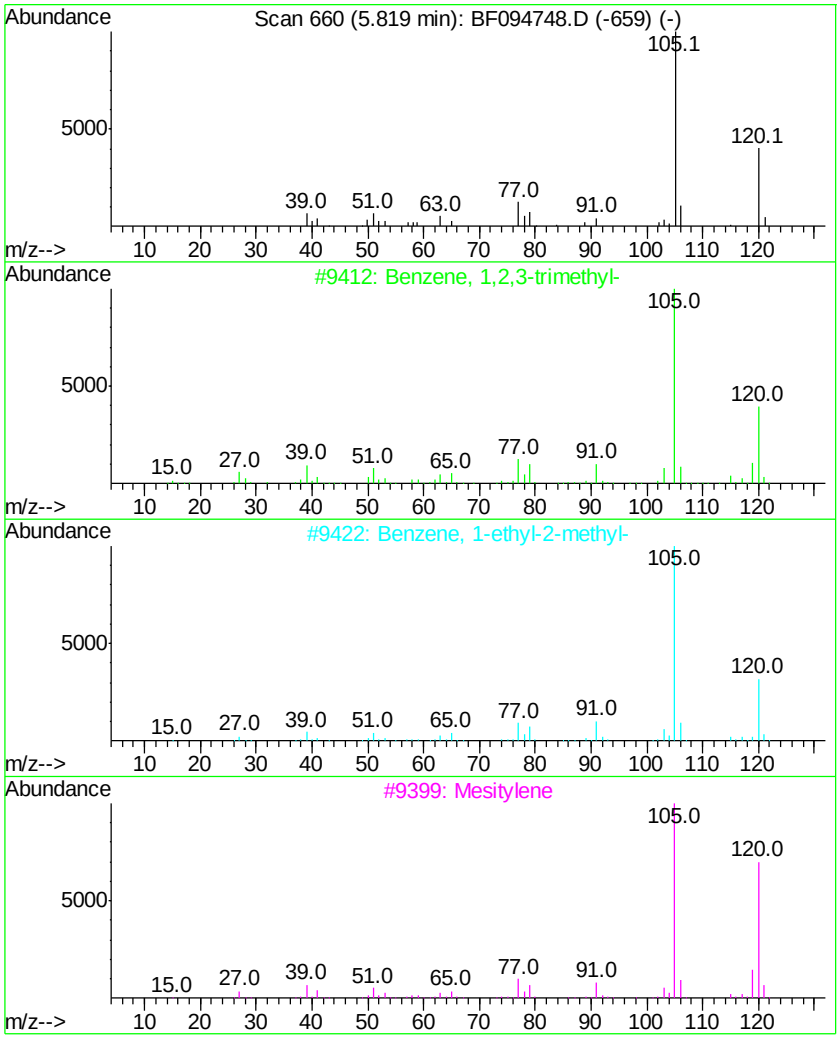
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

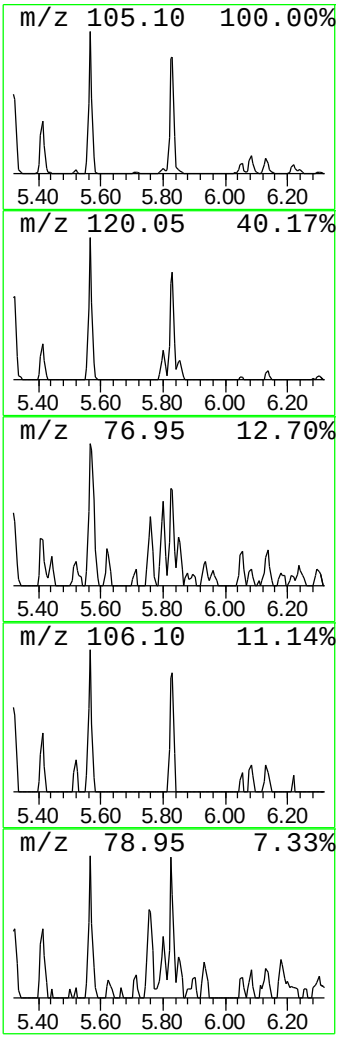
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	4.51 ng	137873	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Library Search Compound Report

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Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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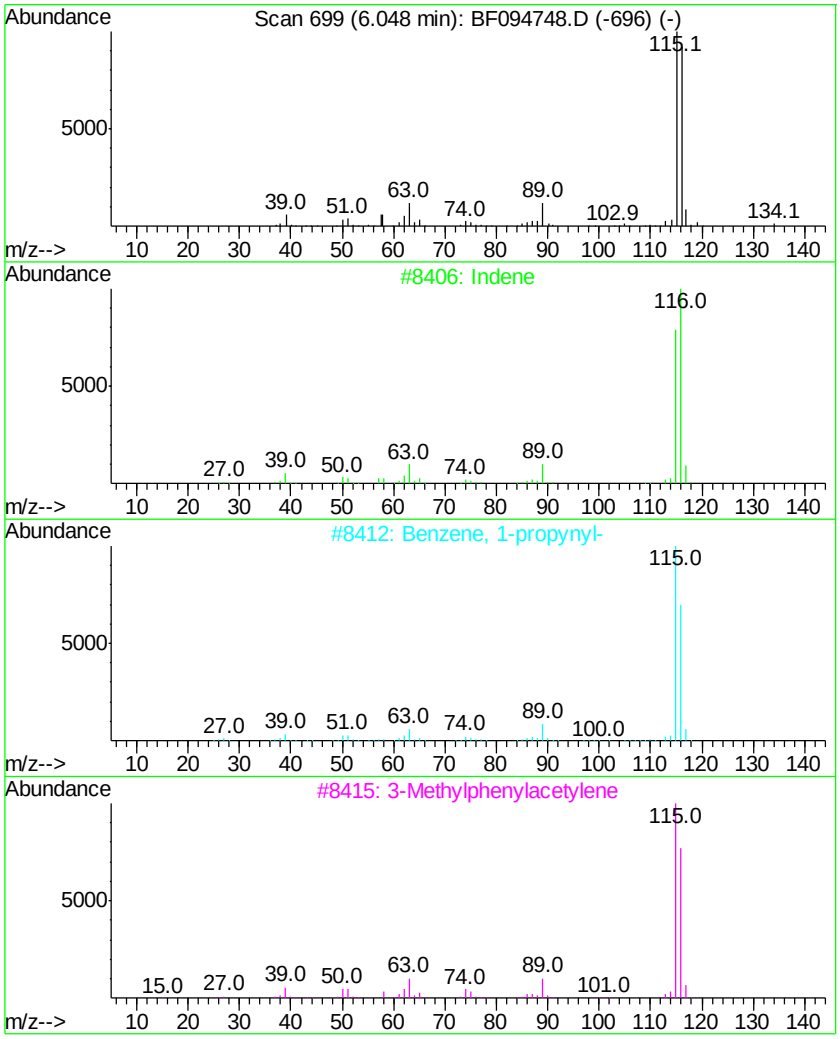
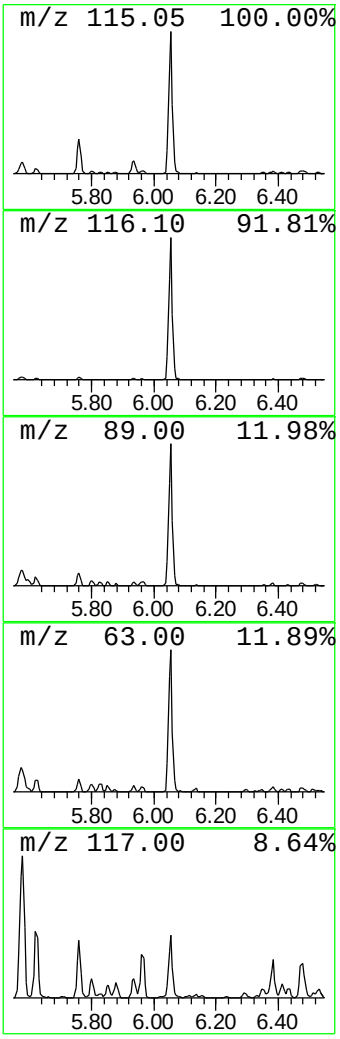
Peak Number 10 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	25.97 ng	793192	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





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Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

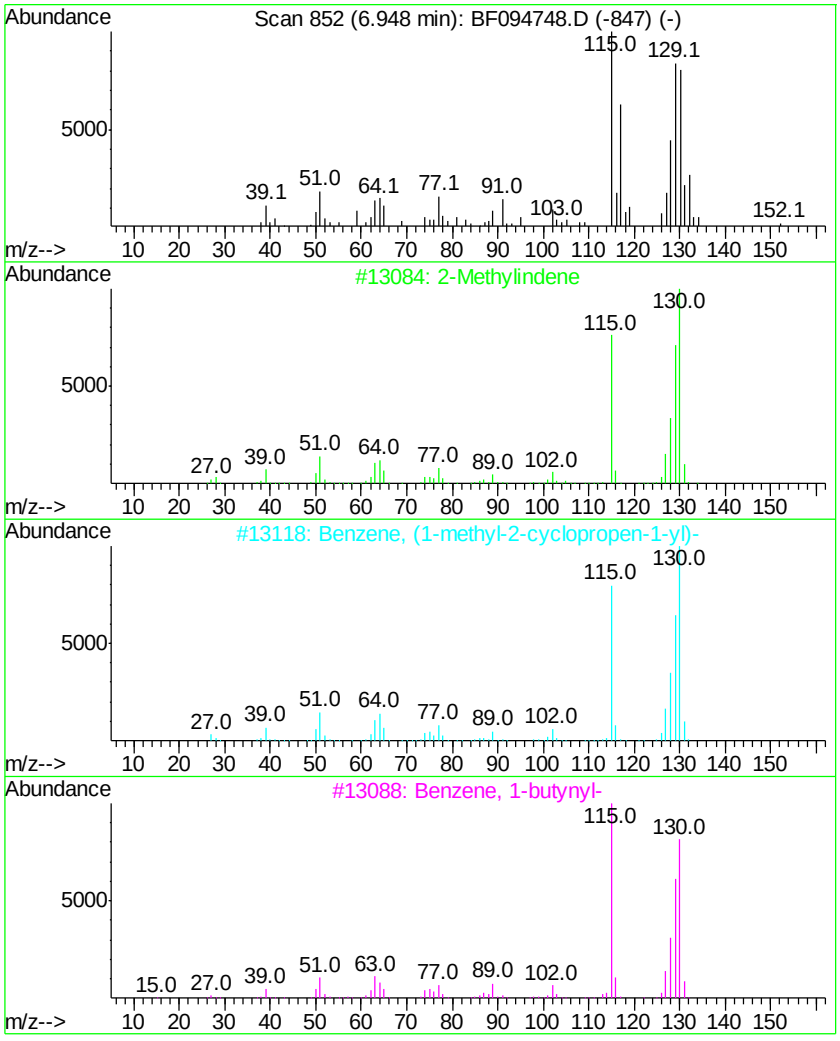
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

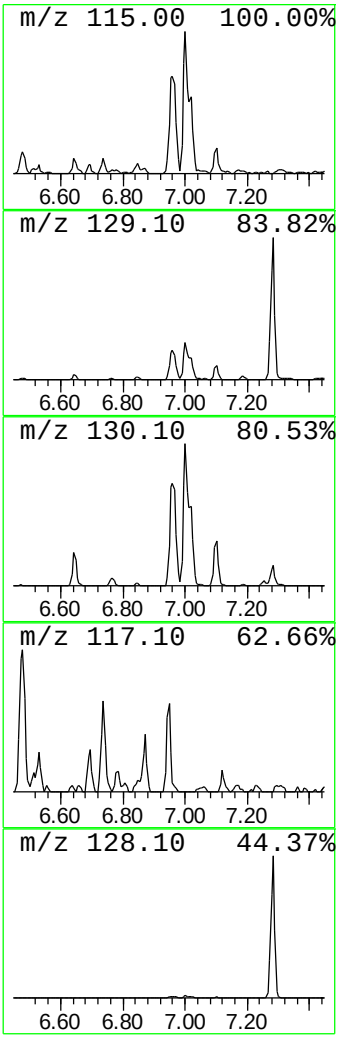
****

Peak Number 11 2-Methylindene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	6.30 ng	263238	Naphthalene-d8	7.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90





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Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

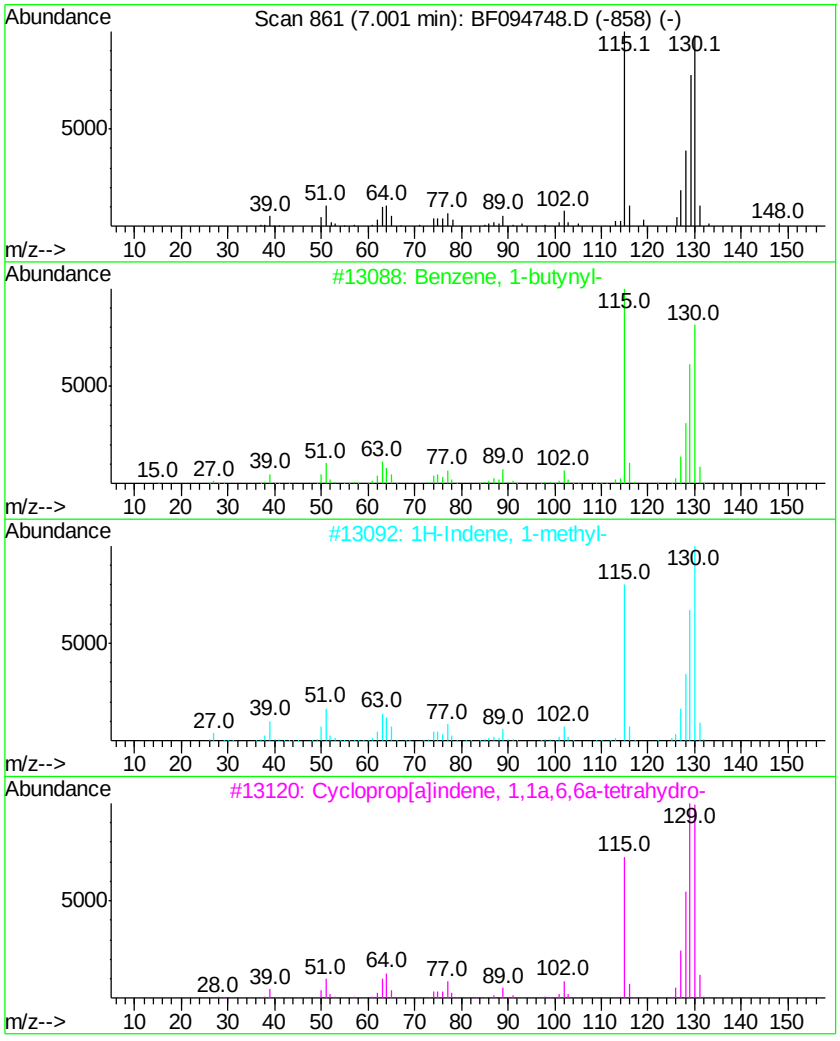
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

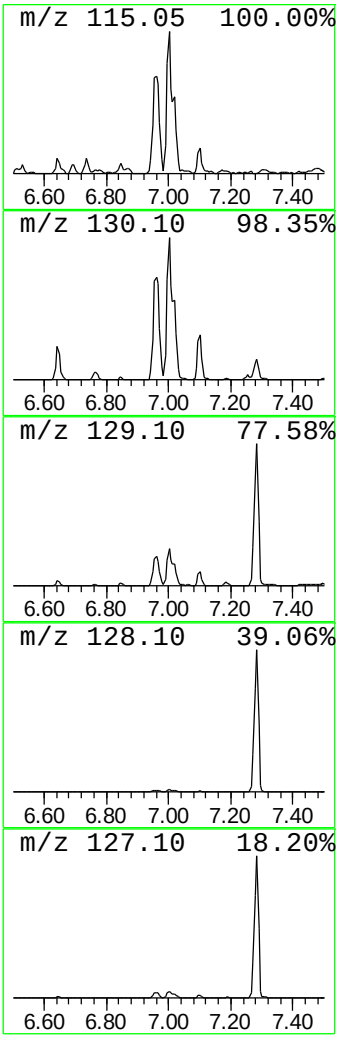
****

Peak Number 12 Benzene, 1-butynyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	6.62 ng	276464	Naphthalene-d8	7.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	2-Methylindene	130	C10H10	002177-47-1	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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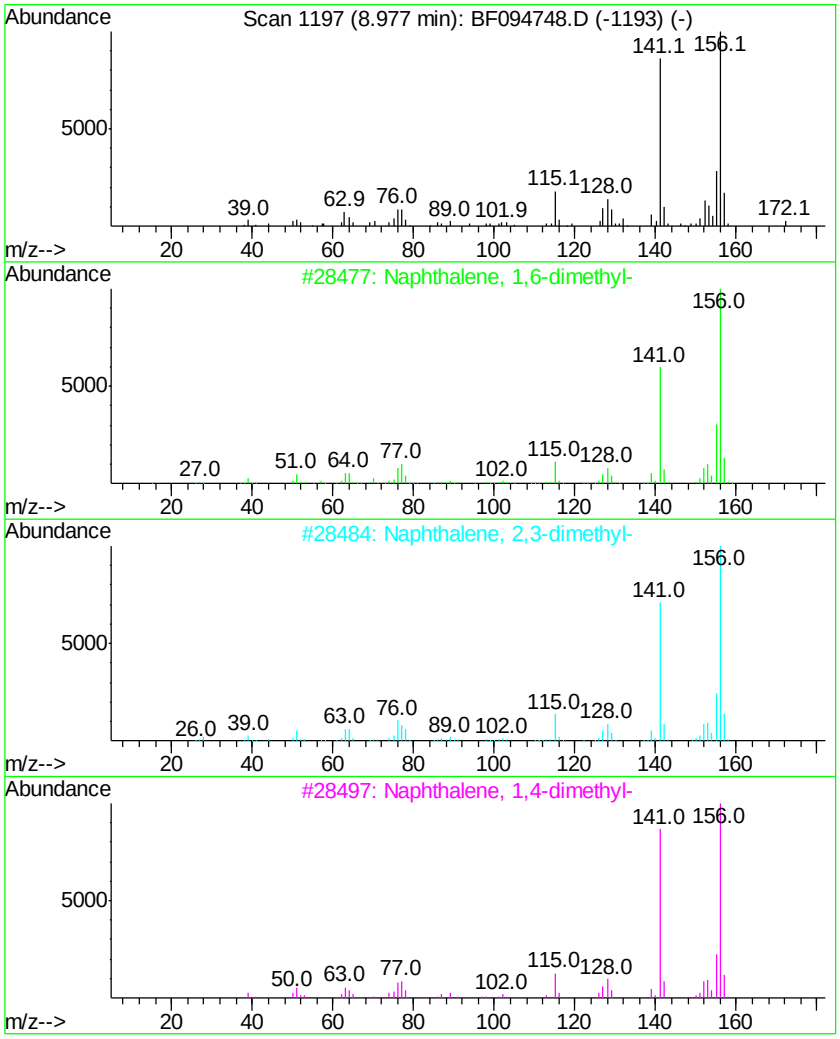
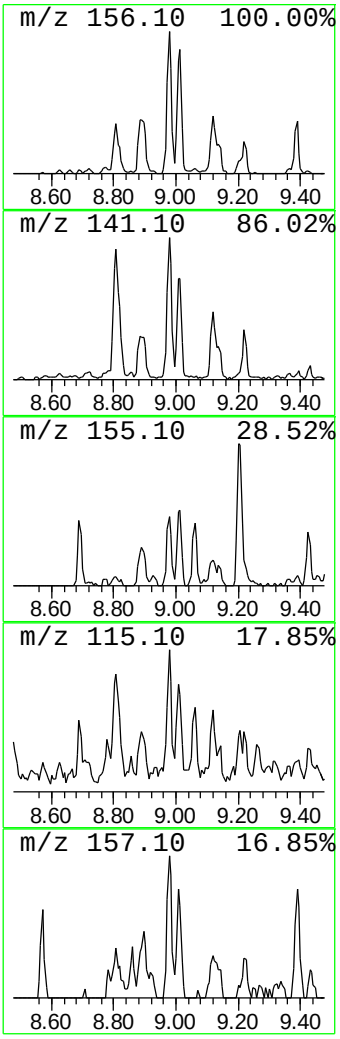
Peak Number 14 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	3.37 ng	140493	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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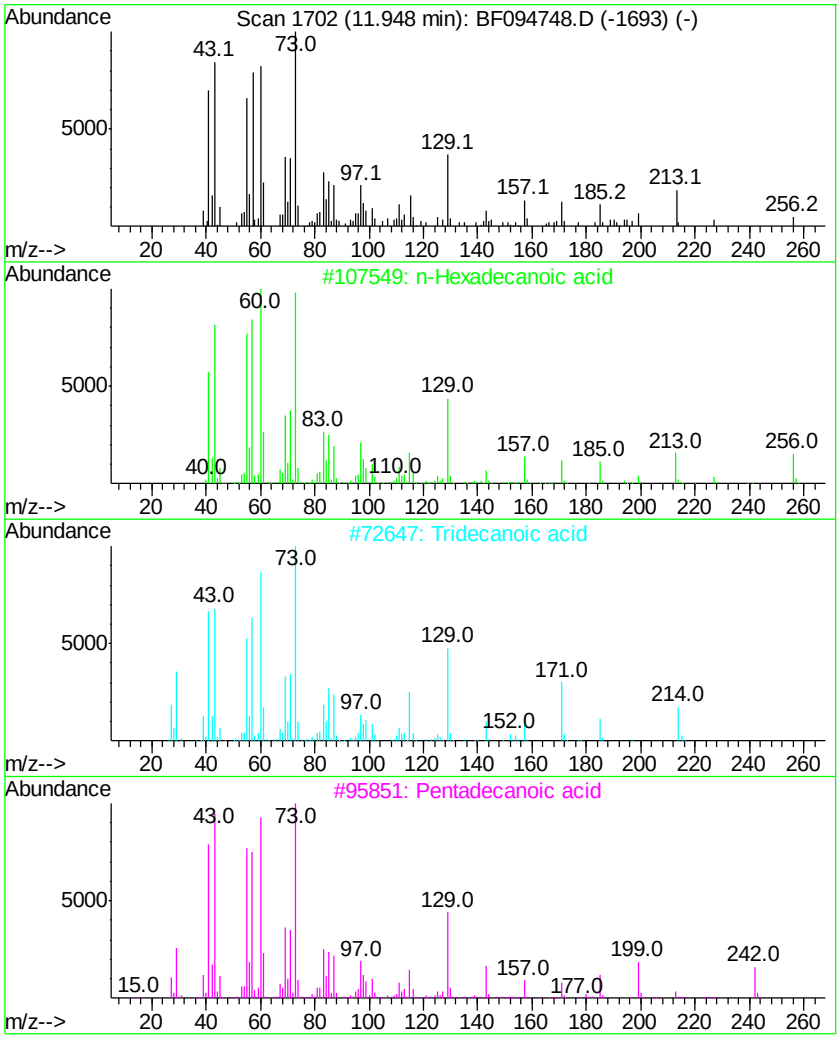
Peak Number 15 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.25 ng	178624	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62



m/z 73.00 100.00%
m/z 43.10 84.42%
m/z 60.00 82.12%
m/z 57.10 78.91%
m/z 41.00 69.89%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094748.D
Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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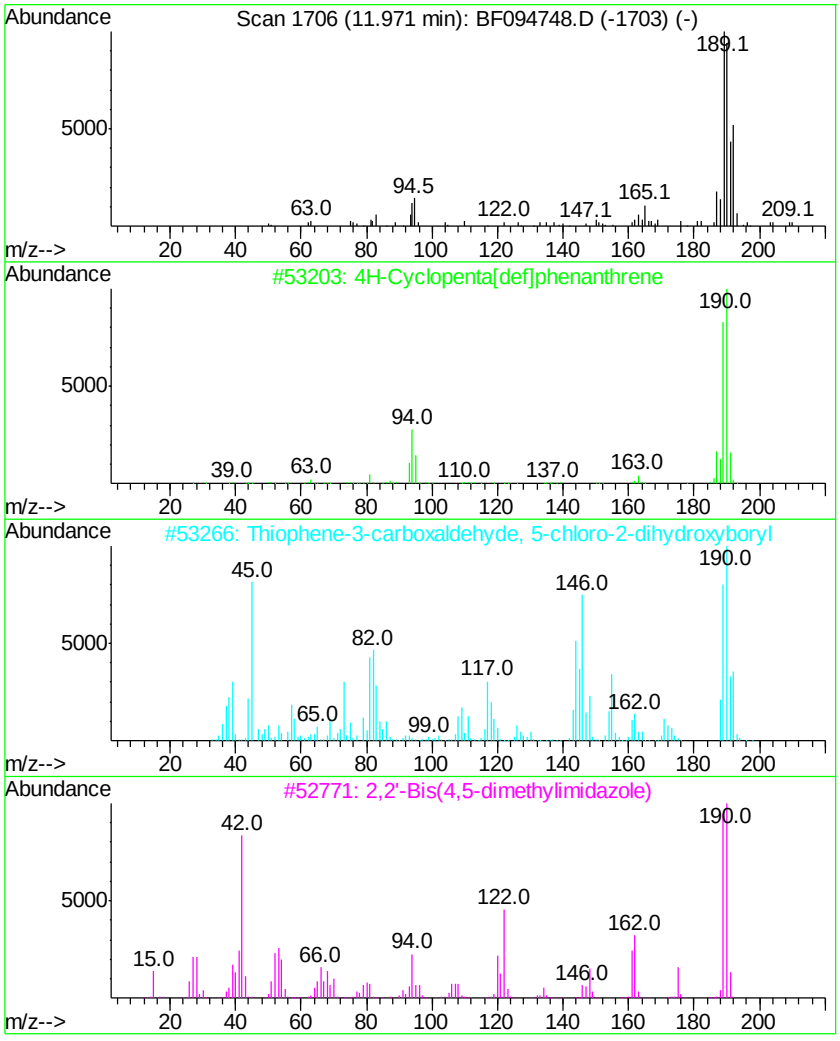
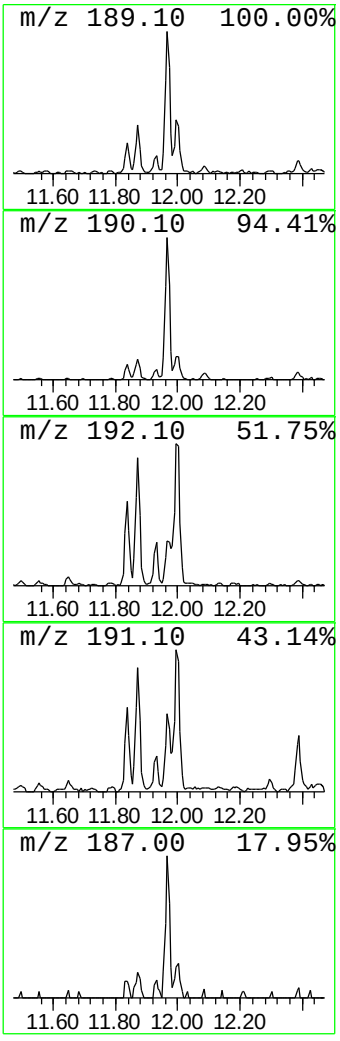
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	4.66 ng	195957	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	35
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





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Acq On : 1 May 2017 13:47
Operator : SJ/MA
Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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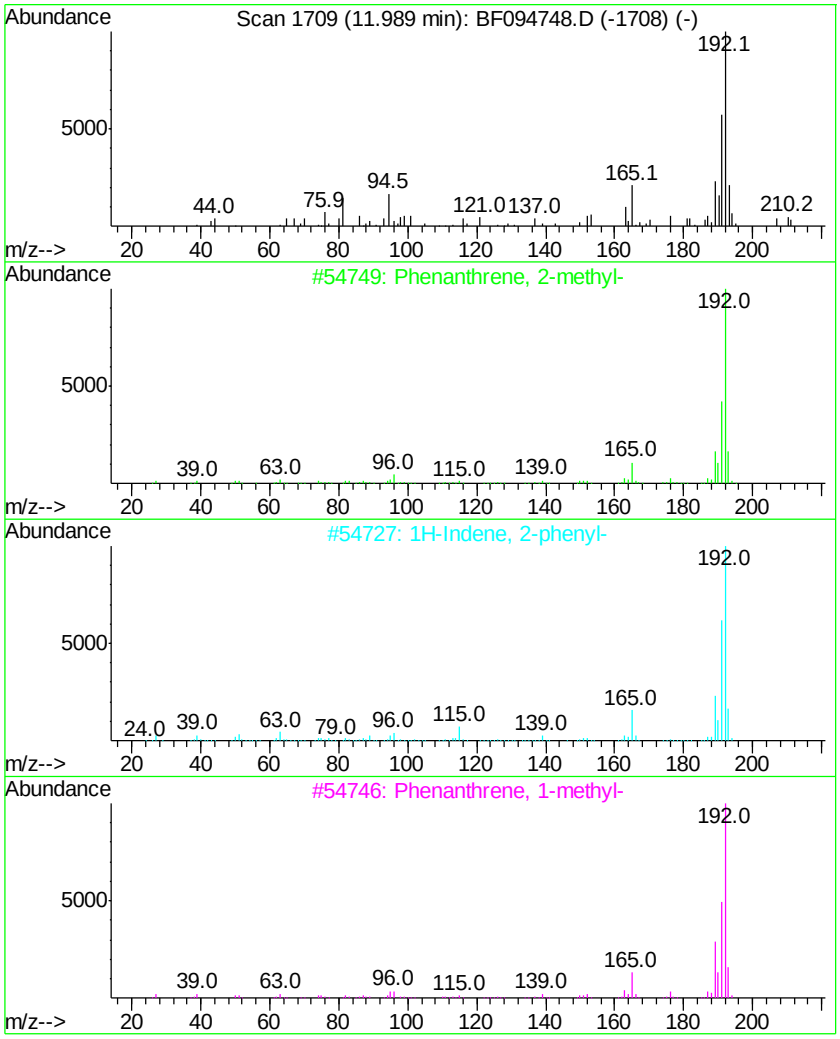
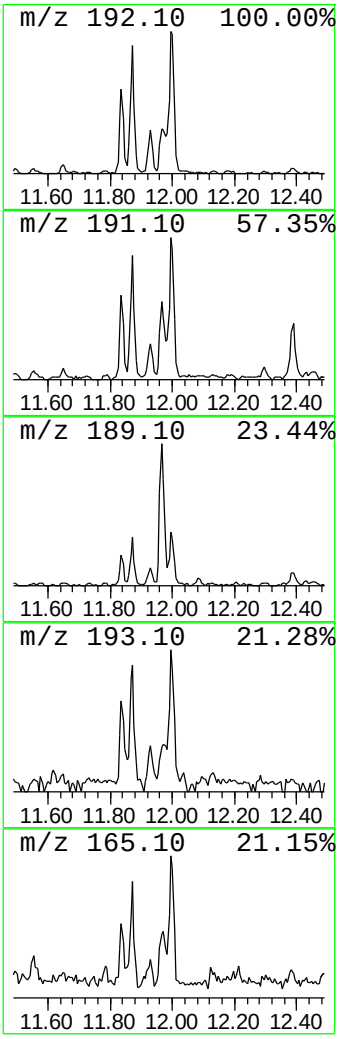
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.71 ng	155907	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : I2902-04 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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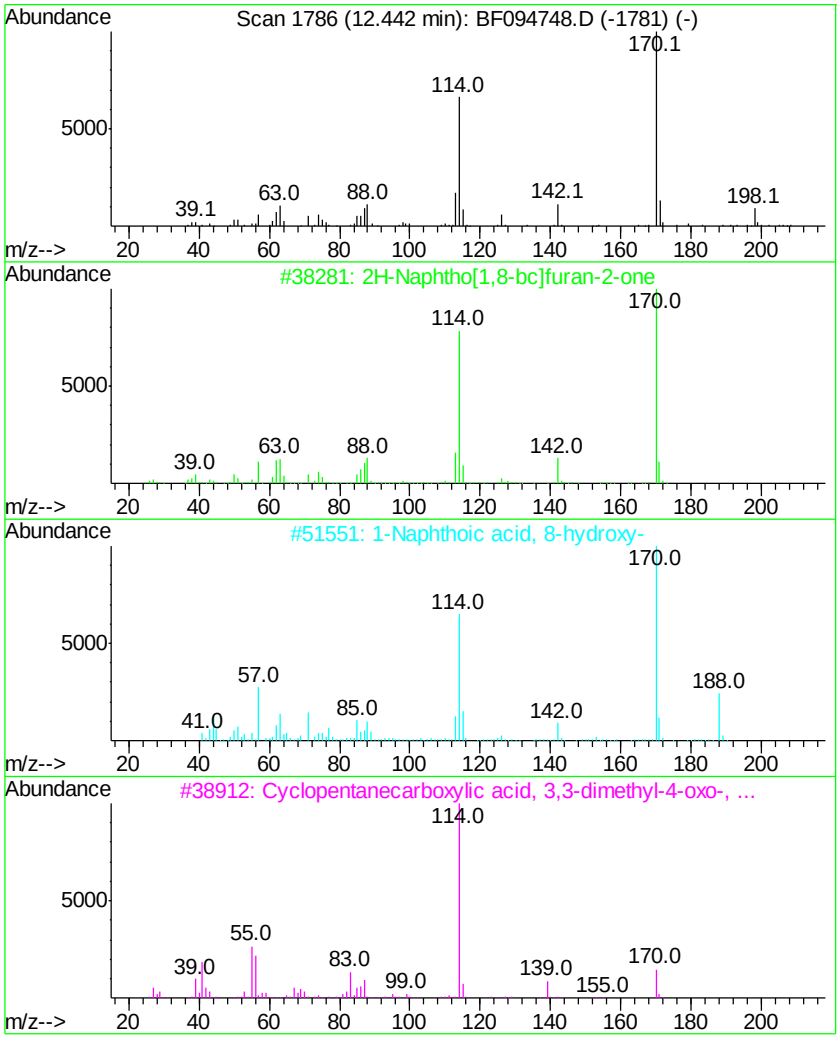
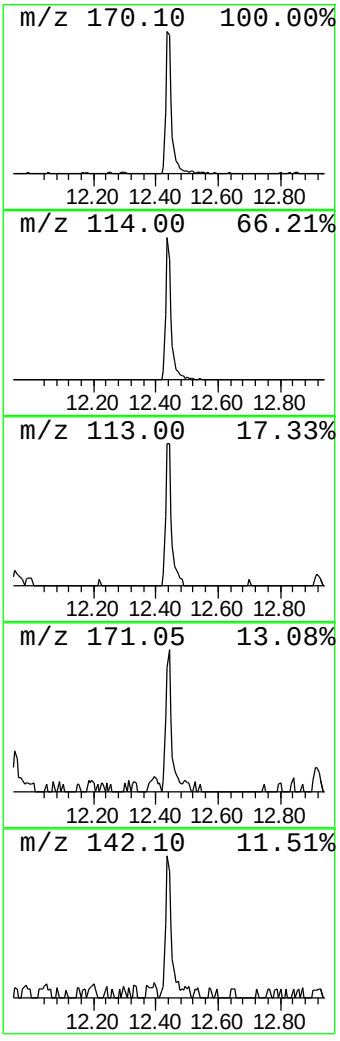
Peak Number 18 2H-Naphtho[1,8-bc]furan-2-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.11 ng	214884	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Naphtho[1,8-bc]furan-2-one	170	C11H6O2	005247-85-8	97
2	1-Naphthoic acid, 8-hydroxy-	188	C11H8O3	001769-88-6	78
3	Cyclopentanecarboxylic acid, 3,3...	170	C9H14O3	078092-04-3	64
4	2-Naphthalenecarboxylic acid, 3-...	188	C11H8O3	000092-70-6	56
5	Tetrazolo[5,1-a]phthalazine, 6-c...	205	C8H4ClN5	052494-54-9	38





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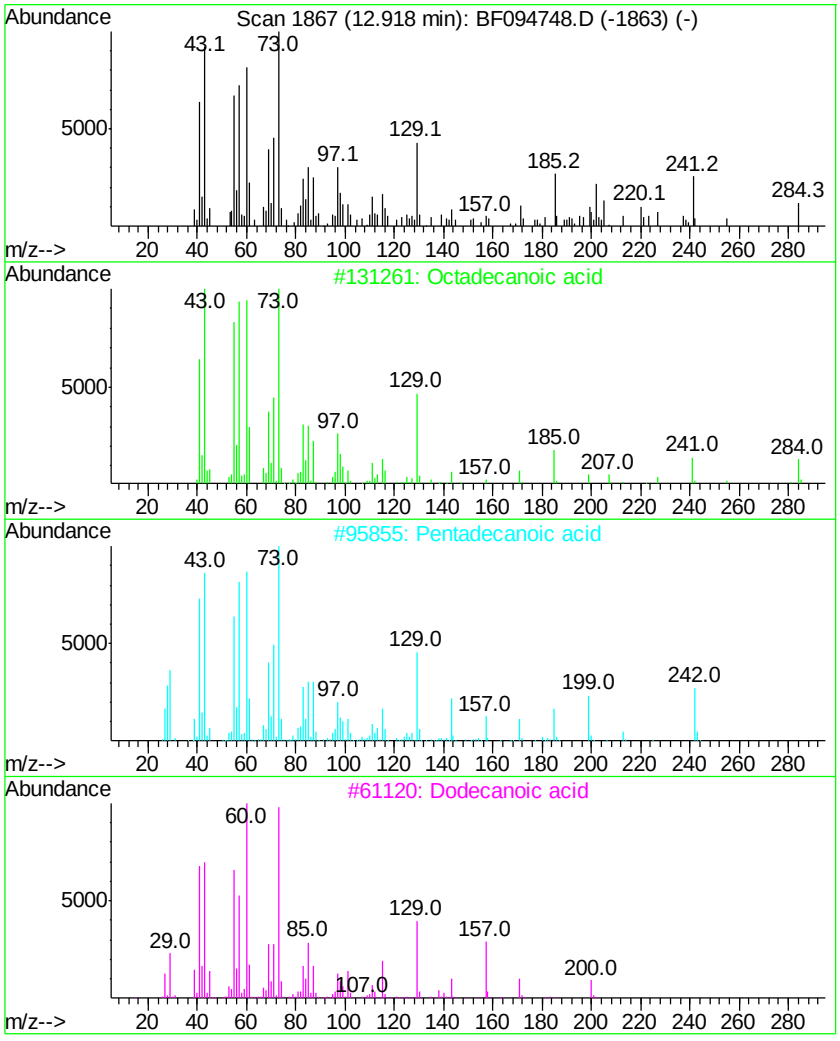
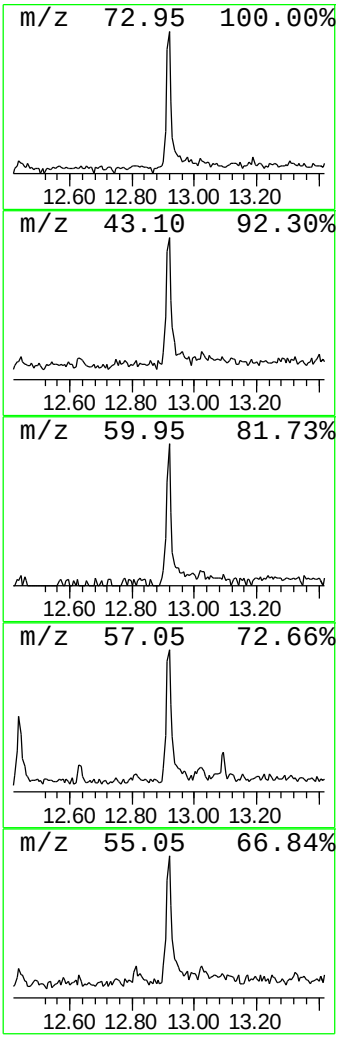
Peak Number 19 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.80 ng	160977	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Dodecanoic acid	200	C12H24O2	000143-07-7	78
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





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

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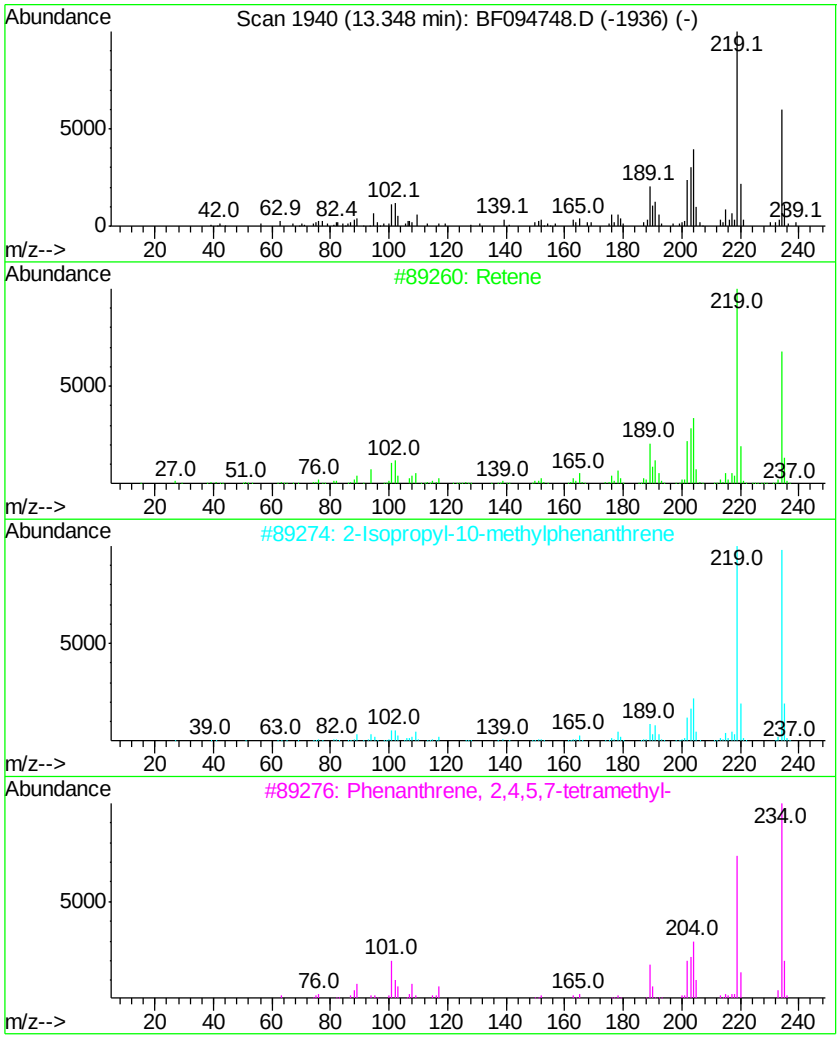
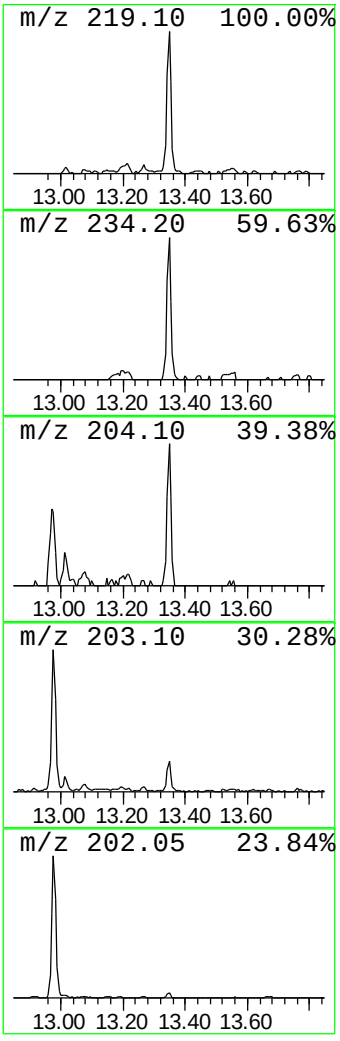
Peak Number 20 Retene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	3.61 ng	152836	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	93
4	1-Phenyl-4-(3,5-dimethylphenyl)b...	234	C18H18	1000202-15-0	87
5	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	53





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethylbenzene	4.16	5.1	ng	154597	1	5.76	610821	20.0
unknown5.52	5.52	8.1	ng	245759	1	5.76	610821	20.0
Benzene, 1-etheny...	5.57	12.9	ng	392318	1	5.76	610821	20.0
Benzene, cyclopro...	5.62	3.5	ng	106758	1	5.76	610821	20.0
Benzene, 1,2,3-tr...	5.82	4.5	ng	137873	1	5.76	610821	20.0
Indene	6.05	26.0	ng	793192	1	5.76	610821	20.0
2-Methylindene	6.95	6.3	ng	263238	2	7.25	835188	20.0
Benzene, 1-butynyl-	7.00	6.6	ng	276464	2	7.25	835188	20.0
Naphthalene, 1,6-...	8.98	3.4	ng	140493	3	9.39	834920	20.0
n-Hexadecanoic acid	11.95	4.3	ng	178624	4	11.21	840998	20.0
4H-Cyclopenta[def...	11.97	4.7	ng	195957	4	11.21	840998	20.0
Phenanthrene, 2-m...	11.99	3.7	ng	155907	4	11.21	840998	20.0
2H-Naphtho[1,8-bc...	12.44	5.1	ng	214884	4	11.21	840998	20.0
Octadecanoic acid	12.92	3.8	ng	160977	5	14.47	846519	20.0
Retene	13.35	3.6	ng	152836	5	14.47	846519	20.0