LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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	2.110	3	4	23	rVB	689318	735224	24.45%	1.803%
2	3.922	307	312	325	rVB	80966	115860	3.85%	0.284%
3	5.075	504	508	515	rVB	26419	34936	1.16%	0.086%
4	5.339	550	553	556	rBV	50216	50520	1.68%	0.124%
5	5.445	567	571	572	rBV	271324	237589	7.90%	0.582%
6	5.475	572	576	592	rVB	2729443	2692382	89.52%	6.601%
7	5.704	612	615	622	rVB	183239	166068	5.52%	0.407%
8	6.316	710	719	722	rBV2	48766	74415	2.47%	0.182%
9	6.381	727	730	733	rBV	331605	265839	8.84%	0.652%
10	6.410	733	735	739	rVB	171835	136359	4.53%	0.334%
11	6.457	739	743	744	rBV	184719	163678	5.44%	0.401%
12	6.486	744	748	754	rVB	2748033	2650099	88.12%	6.497%
13	6.539	754	757	759	rBV	166821	147074	4.89%	0.361%
14	6.622	767	771	775	rBV	2938038	2774116	92.24%	6.801%
15	6.681	778	781	791	rVB	425833	373251	12.41%	0.915%
16	6.851	806	810	817	rBV	1060488	883657	29.38%	2.166%
17	6.910	817	820	822	rVV	171920	161045	5.35%	0.395%
18	6.928	822	823	828	rVB	184624	137151	4.56%	0.336%
19	7.010	833	837	840	rVV	2566732	2189032	72.79%	5.367%
20	7.033	840	841	844	rVV	98251	55666	1.85%	0.136%
21	7.104	847	853	855	rBV2	53184	61030	2.03%	0.150%
22	7.128	855	857	860	rVV2	151497	123774	4.12%	0.303%
23	7.169	860	864	867	rVV	187628	192673	6.41%	0.472%
24	7.192	867	868	872	rVB	50723	37317	1.24%	0.091%
25	7.245	872	877	881	rBV2	73884	75958	2.53%	0.186%
26	7.316	887	889	891	rBV	53188	41600	1.38%	0.102%
27	7.339	891	893	897	rVB	51727	39010	1.30%	0.096%
28	7.410	897	905	910	rBV	1910662	1936639	64.39%	4.748%
29	7.445	910	911	916	rVB	72455	61254	2.04%	0.150%
30	7.498	916	920	924	rBV5	22334	31700	1.05%	0.078%
31	7.539	924	927	929	rBV	37100	39573	1.32%	0.097%
32	7.622	935	941	943	rBV	87046	89379	2.97%	0.219%
33	7.651	943	946	950	rVB2	97066	137009	4.56%	0.336%
34	7.739	957	961	962	rBV2	34371	31753	1.06%	0.078%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.786	966	969	971	rBV2	31582	38343	1.27%	0.094%
36	7.804	971	972	978	rVB2	57237	73960	2.46%	0.181%
37	7.851	978	980	981	rBV	53512	41850	1.39%	0.103%
38	7.875	981	984	987	rVV2	203409	211551	7.03%	0.519%
39	7.928	991	993	996	rBV2	30493	32409	1.08%	0.079%
40	8.039	1009	1012	1017	rBV	66171	90025	2.99%	0.221%
41	8.133	1020	1028	1030	rVV	1302021	1132309	37.65%	2.776%
42	8.151	1030	1031	1034	rVB	157791	116764	3.88%	0.286%
43	8.727	1126	1129	1134	rBV3	44406	45765	1.52%	0.112%
44	8.851	1147	1150	1152	rBV	80438	72431	2.41%	0.178%
45	8.945	1163	1166	1170	rVB	49197	44058	1.46%	0.108%
46	9.210	1207	1211	1215	rBV	3283588	3007497	100.00%	7.373%
47	9.480	1249	1257	1262	rVB4	18560	34448	1.15%	0.084%
48	9.604	1275	1278	1286	rVB	470476	376315	12.51%	0.923%
49	9.892	1323	1327	1331	rBV	1500918	1223667	40.69%	3.000%
50	10.098	1358	1362	1366	rBV	42841	40817	1.36%	0.100%
51	10.439	1417	1420	1426	rVB2	37236	41433	1.38%	0.102%
52	10.680	1457	1461	1478	rBV	1898064	1769620	58.84%	4.339%
53	10.798	1478	1481	1489	rVB5	27472	46131	1.53%	0.113%
54	11.239	1550	1556	1559	rBV4	29187	43002	1.43%	0.105%
55	11.274	1559	1562	1568	rVB	37965	39331	1.31%	0.096%
56	11.380	1576	1580	1582	rBV	1315205	1171555	38.95%	2.872%
57	11.404	1582	1584	1587	rVV	589845	470487	15.64%	1.153%
58	11.451	1587	1592	1596	rVB	123288	136085	4.52%	0.334%
59	11.610	1614	1619	1627	rBV3	72817	121676	4.05%	0.298%
60	11.880	1661	1665	1667	rBV	81601	74441	2.48%	0.183%
61	11.904	1667	1669	1675	rVV2	258415	301760	10.03%	0.740%
62	11.957	1675	1678	1681	rVV	59001	69422	2.31%	0.170%
63	11.992	1681	1684	1686	rVV	151327	161860	5.38%	0.397%
64	12.015	1686	1688	1692	rVB	61037	56390	1.87%	0.138%
65	12.174	1712	1715	1718	rBV	70415	61037	2.03%	0.150%
66	12.433	1756	1759	1761	rBV	59197	71773	2.39%	0.176%
67	12.468	1762	1765	1767	rVV2	56287	64647	2.15%	0.158%
68	12.515	1770	1773	1778	rVB2	41839	47843	1.59%	0.117%
69	12.592	1782	1786	1790	rBV	1214336	1047128	34.82%	2.567%
70	12.692	1800	1803	1805	rBV2	53052	63860	2.12%	0.157%
71	12.745	1809	1812	1815	rVB	42491	40657	1.35%	0.100%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.821	1819	1825	1831	rBV	1053138	1063774	35.37%	2.608%
73	12.874	1831	1834	1838	rVB2	42005	57411	1.91%	0.141%
74	12.963	1842	1849	1852	rBV	2969977	2742539	91.19%	6.724%
75	13.039	1858	1862	1866	rBV2	58384	96826	3.22%	0.237%
76	13.151	1874	1881	1884	rBV	176269	258549	8.60%	0.634%
77	13.215	1890	1892	1895	rBV	81762	62308	2.07%	0.153%
78	13.257	1895	1899	1902	rBV2	80969	94288	3.14%	0.231%
79	13.345	1912	1914	1917	rBV	50268	69261	2.30%	0.170%
80	13.657	1965	1967	1972	rVB	73501	75180	2.50%	0.184%
81	13.768	1983	1986	1988	rBV2	91722	91055	3.03%	0.223%
82	13.798	1988	1991	1993	rVV	72709	71807	2.39%	0.176%
83	13.821	1993	1995	1999	rVV2	83726	119398	3.97%	0.293%
84	13.868	2000	2003	2011	rVB	307050	426152	14.17%	1.045%
85	14.021	2024	2029	2031	rBV2	1241871	1576842	52.43%	3.866%
86	14.045	2031	2033	2040	rVB	572694	513498	17.07%	1.259%
87	14.127	2044	2047	2049	rVB	89260	82945	2.76%	0.203%
88	14.486	2105	2108	2110	rBV2	92735	89286	2.97%	0.219%
89	14.768	2154	2156	2158	rBV	113214	108853	3.62%	0.267%
90	15.062	2202	2206	2213	rBV	524795	994981	33.08%	2.439%
91	15.168	2222	2224	2227	rVB	89979	89101	2.96%	0.218%
92	15.362	2254	2257	2263	rVB	282899	389784	12.96%	0.956%
93	15.427	2264	2268	2273	rBV	404455	516742	17.18%	1.267%
94	15.492	2275	2279	2291	rVB2	776228	1211662	40.29%	2.971%
95	16.962	2525	2529	2537	rVB2	175366	321104	10.68%	0.787%
96	17.403	2601	2604	2614	rVB	117236	239893	7.98%	0.588%

Sum of corrected areas: 40788216

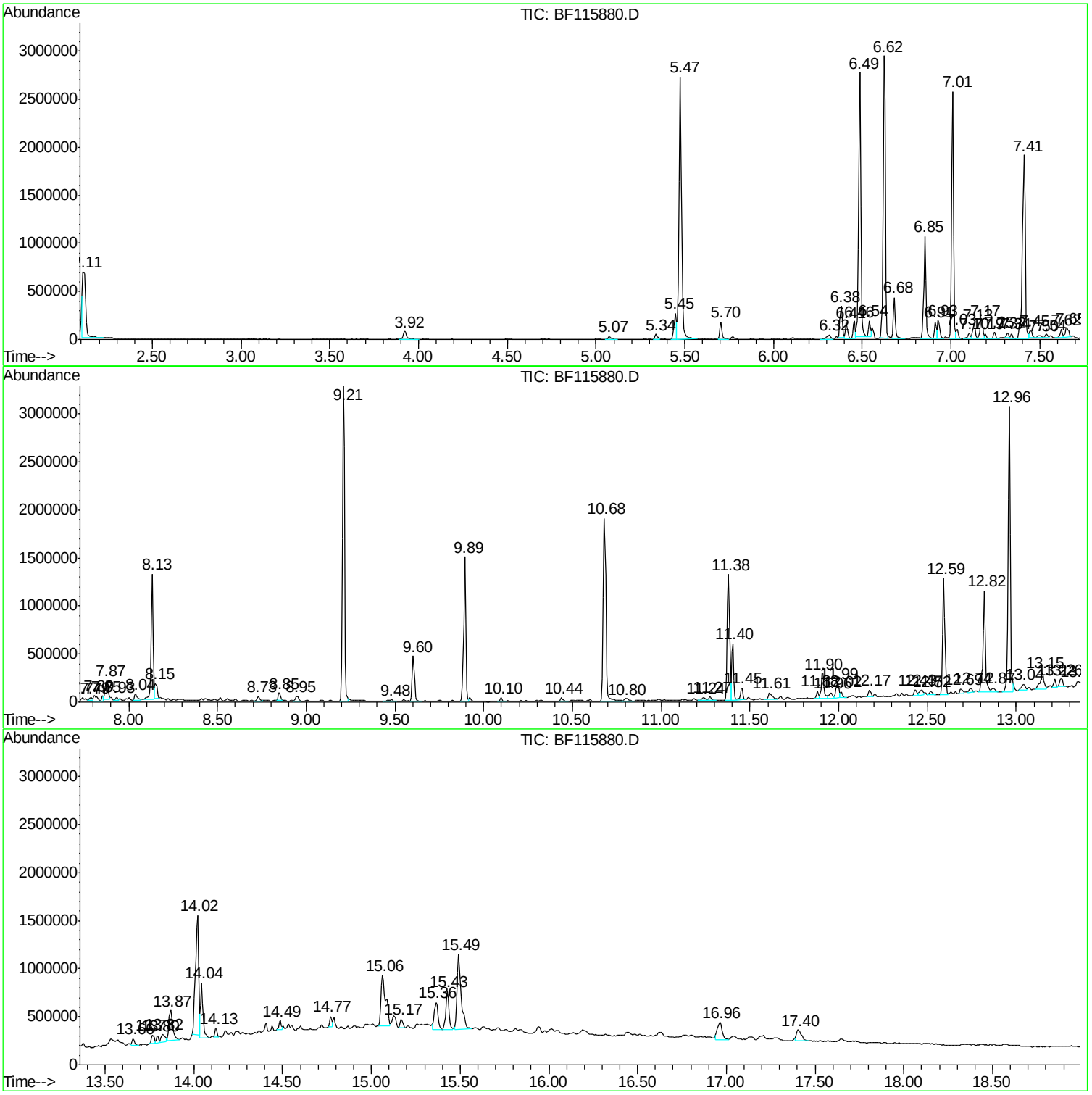
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

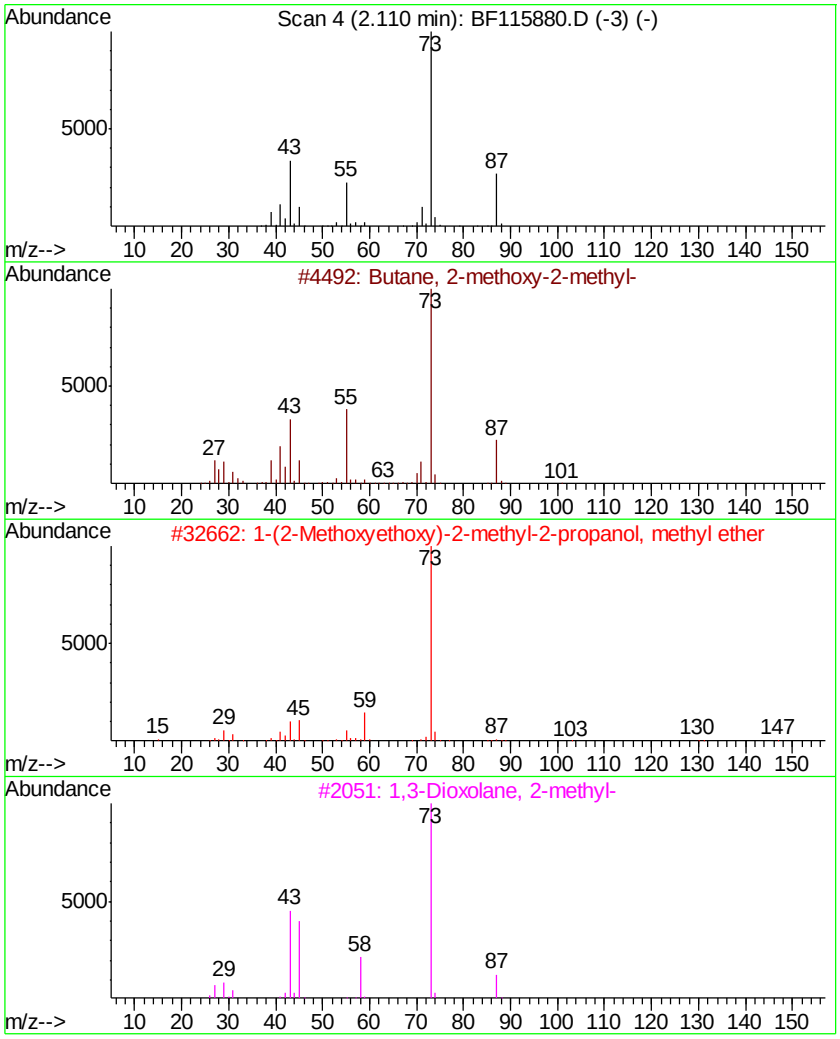
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

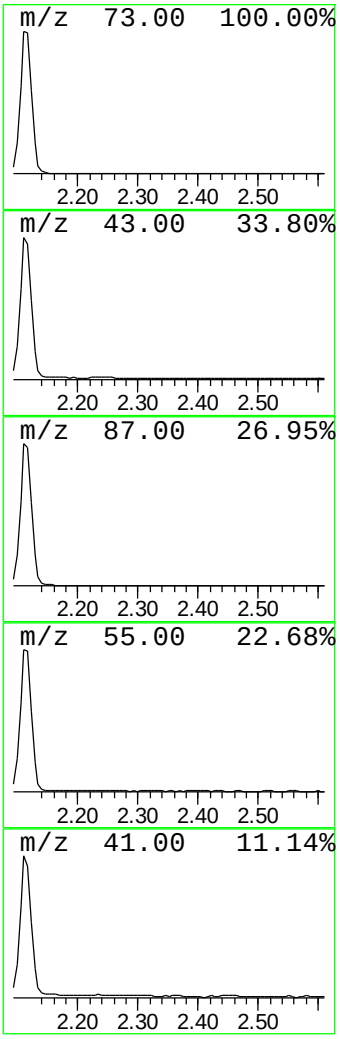
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	16.64 ng	735224	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

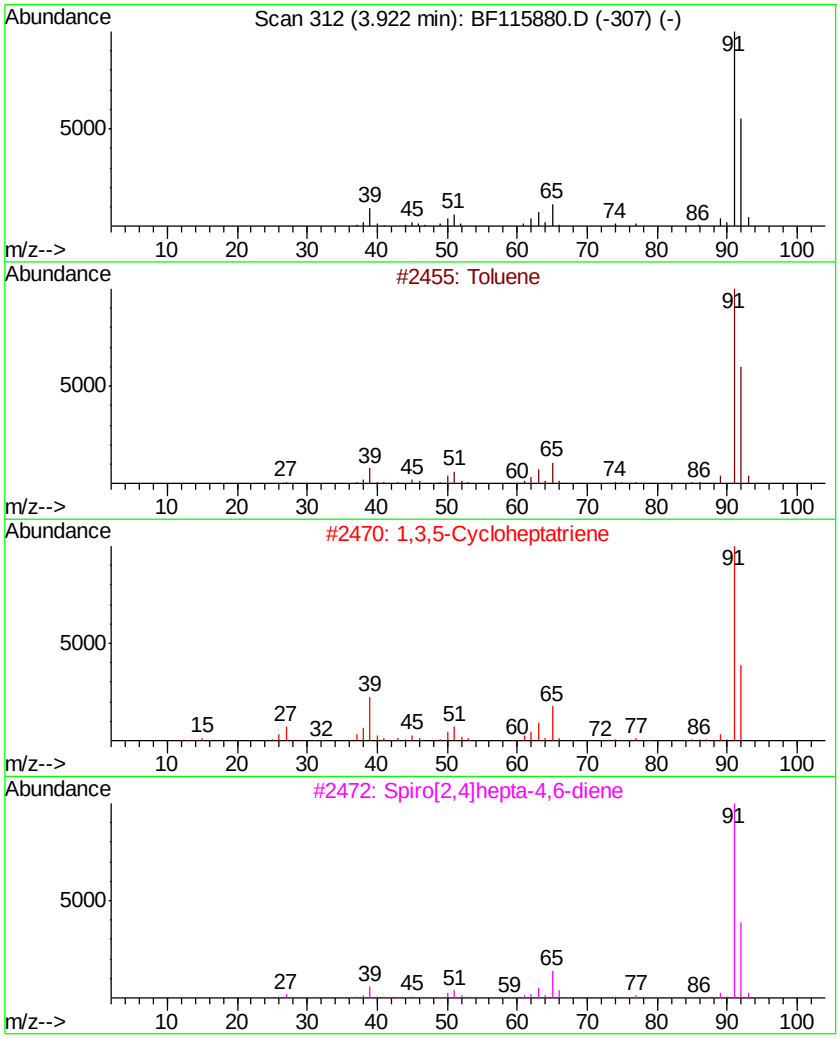
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

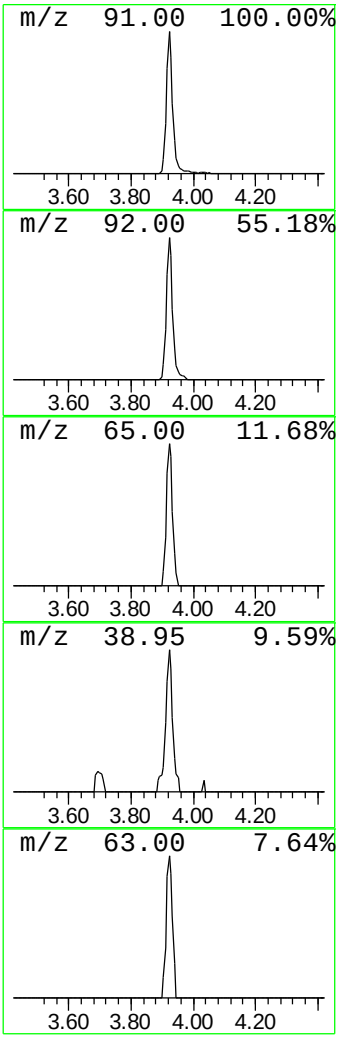
****

Peak Number 2 1,3,5-Cycloheptatriene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.62 ng	115860	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	76
4	Molybdenum, di-.mu.-chlorobis[(1...	532	C20H26Cl2Mo2	035625-66-2	72
5	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

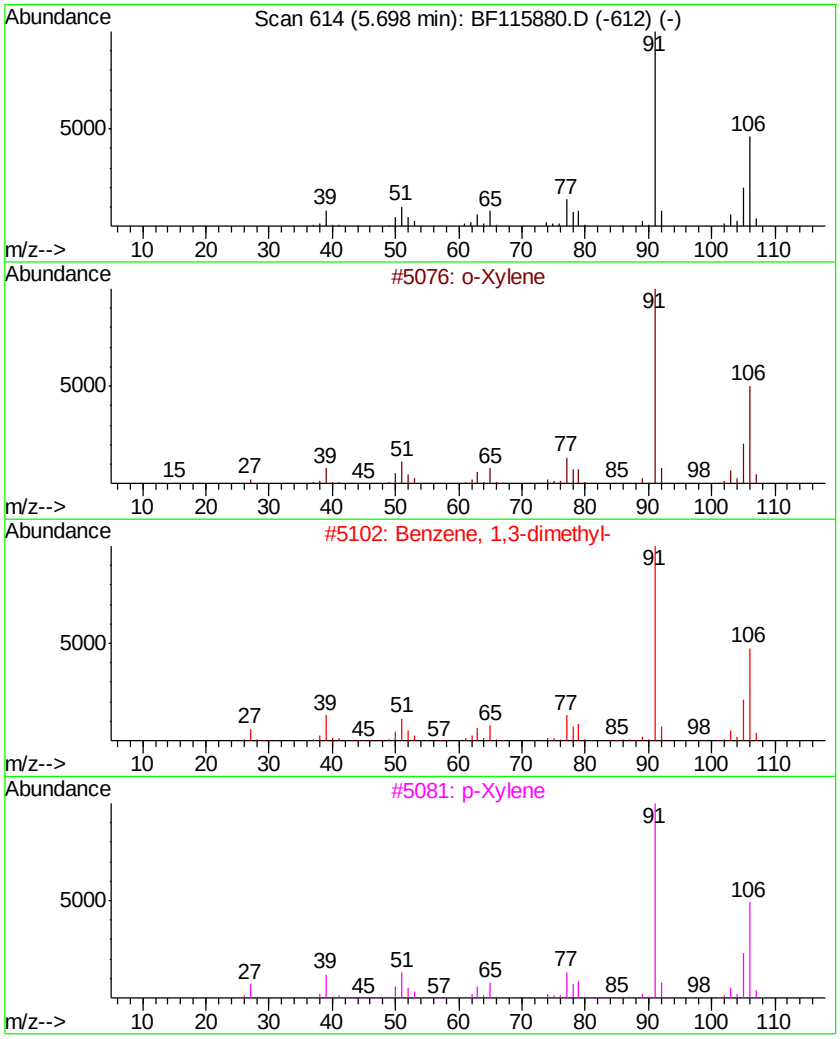
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

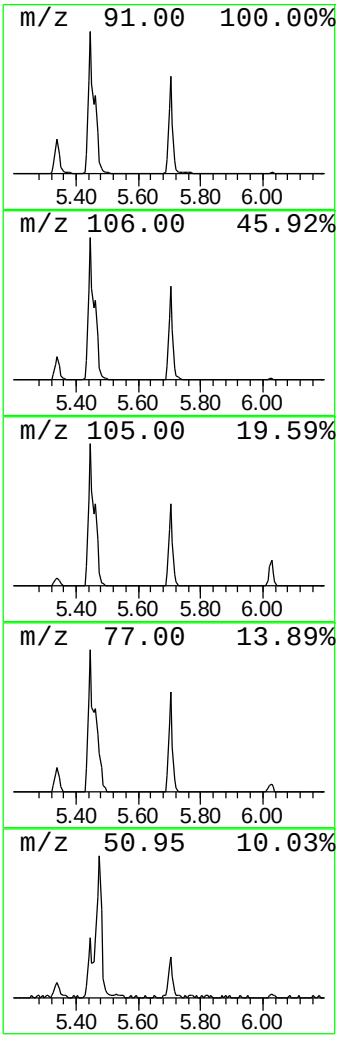
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	3.76 ng	166068	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Xylene	106	C8H10	000095-47-6	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Ethylbenzene	106	C8H10	000100-41-4	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

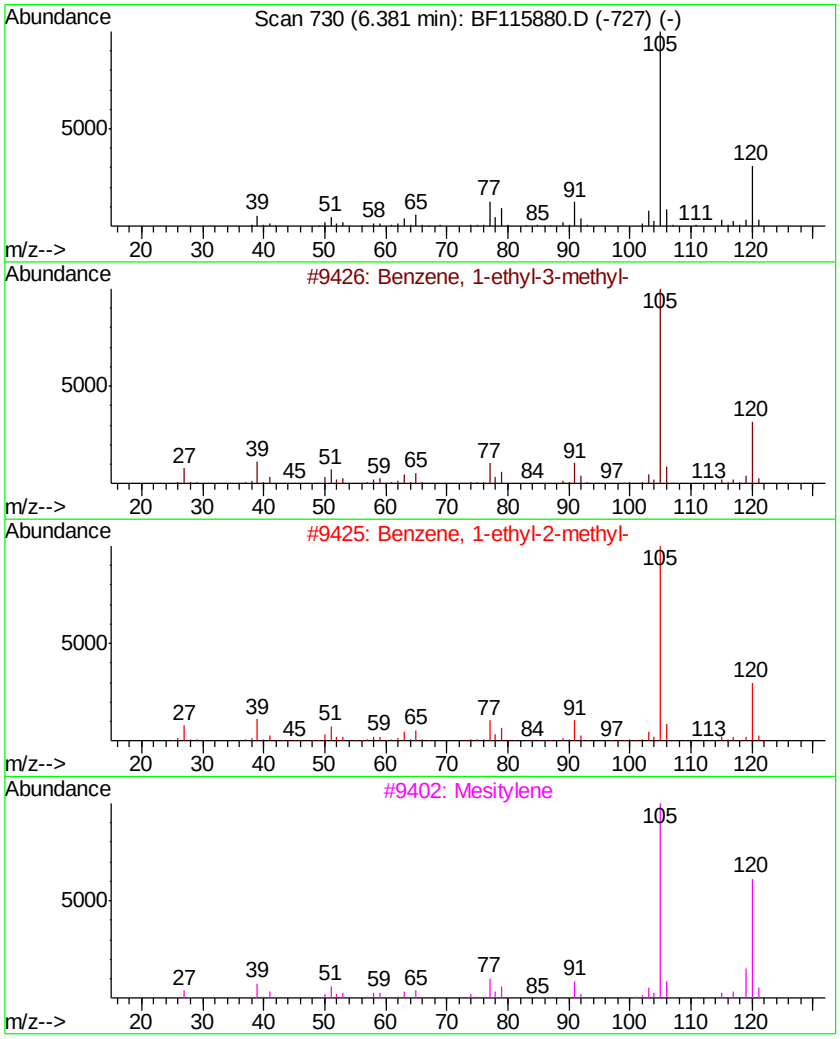
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

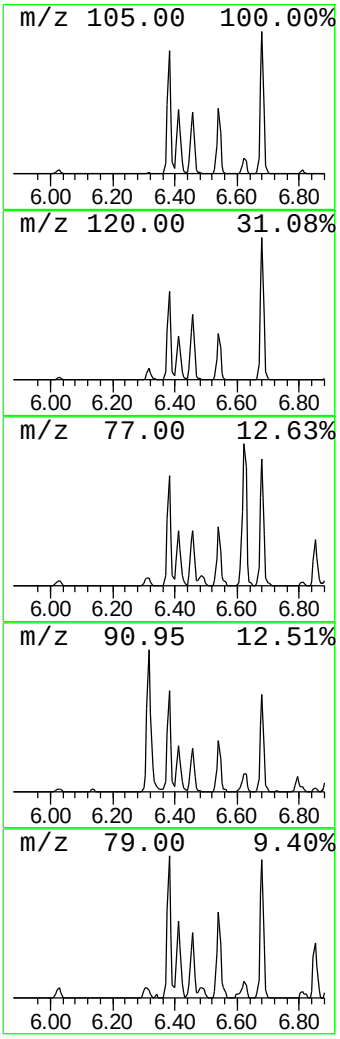
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	6.02 ng	265839	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

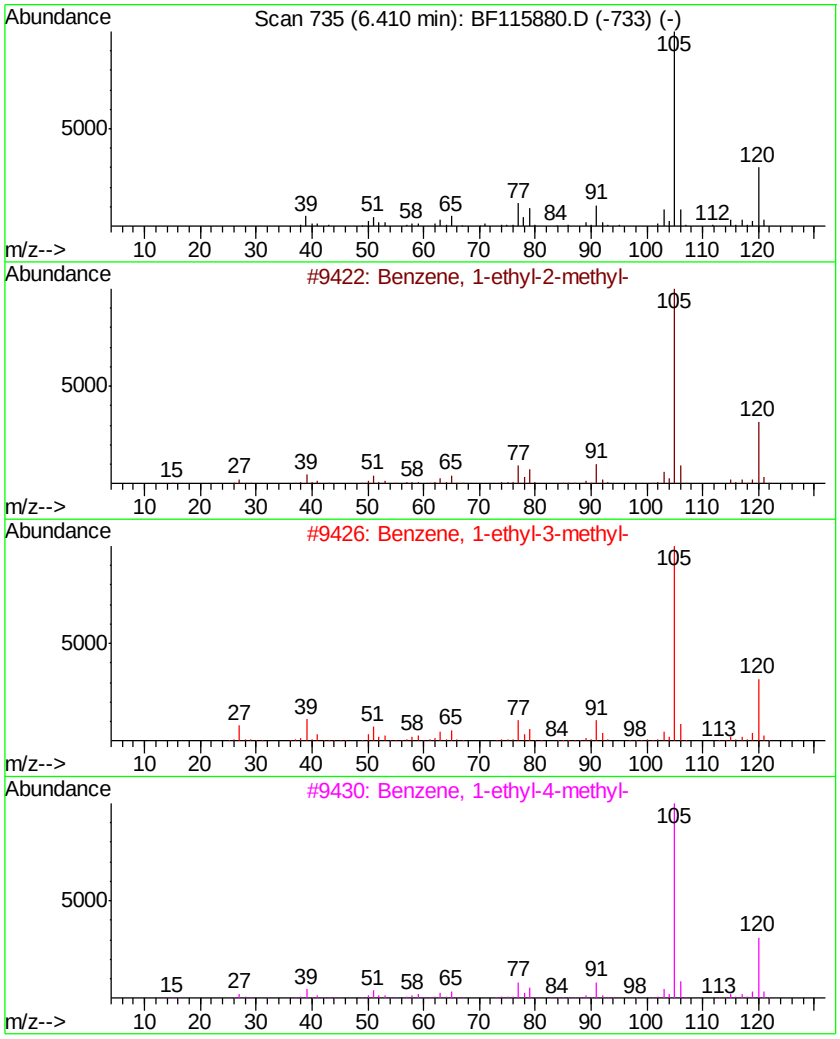
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

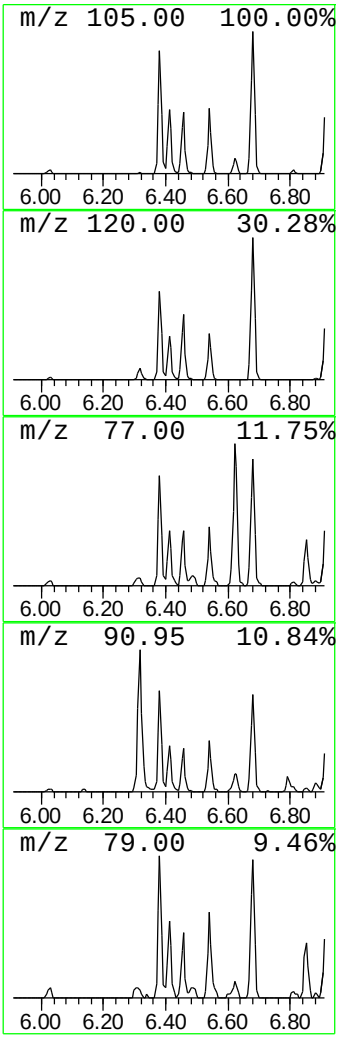
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	3.09 ng	136359	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

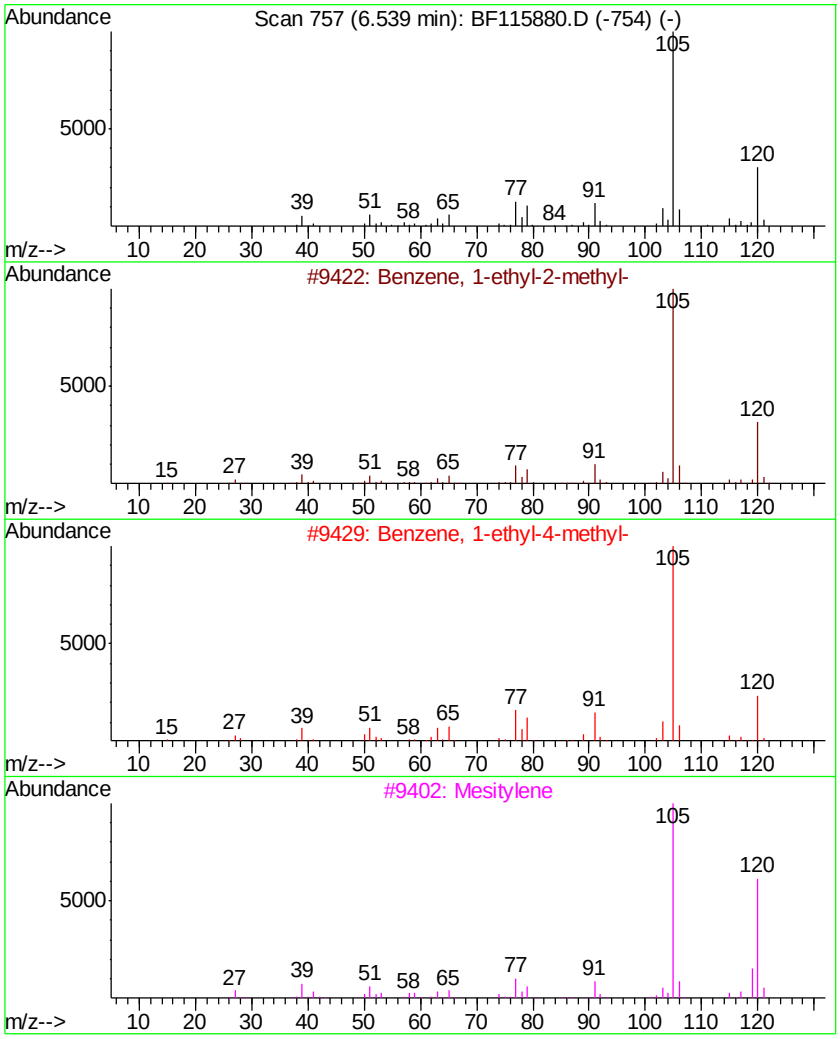
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

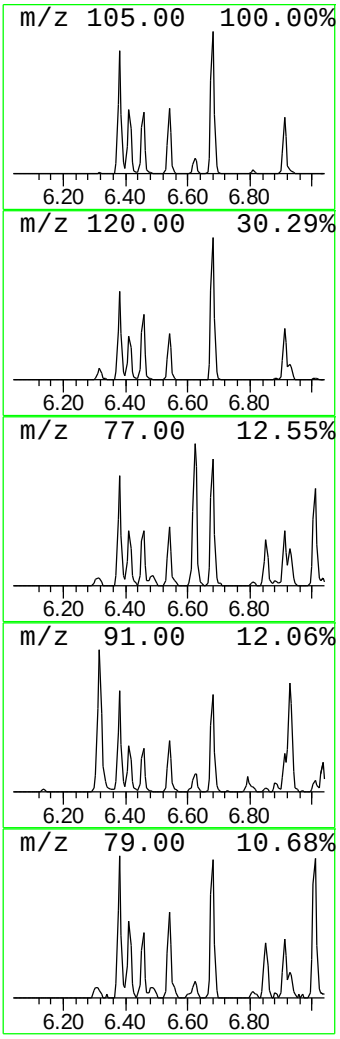
****

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	3.33 ng	147074	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

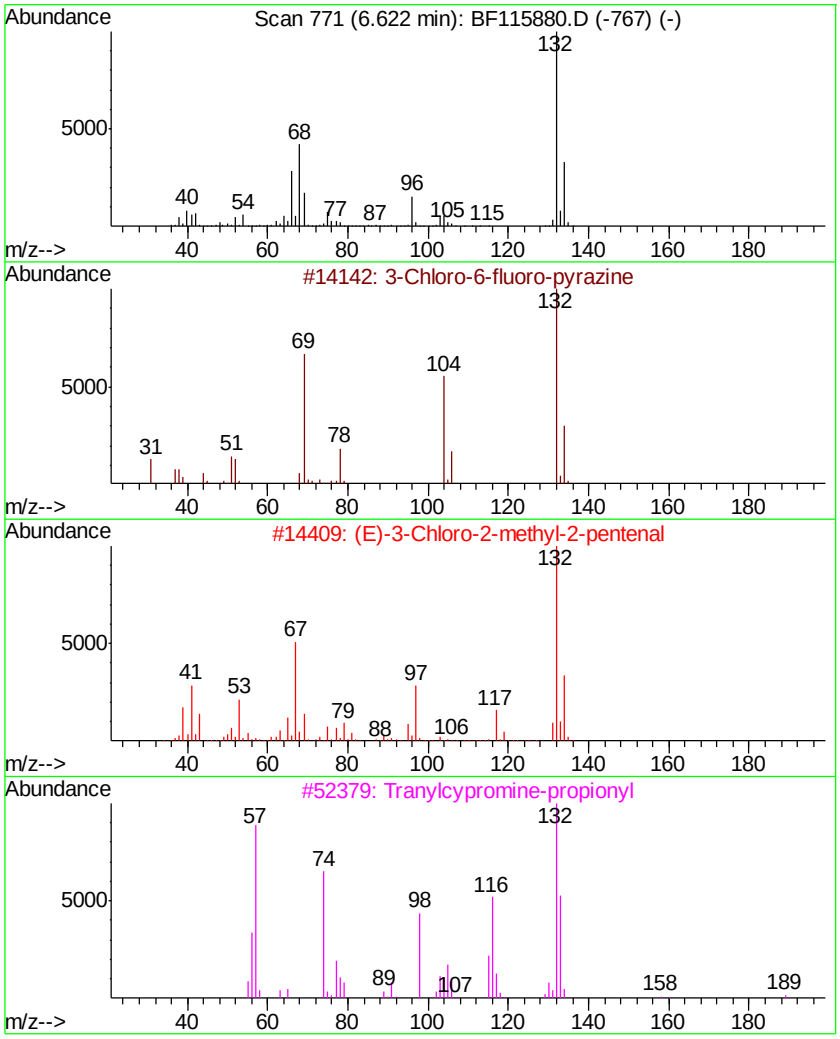
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

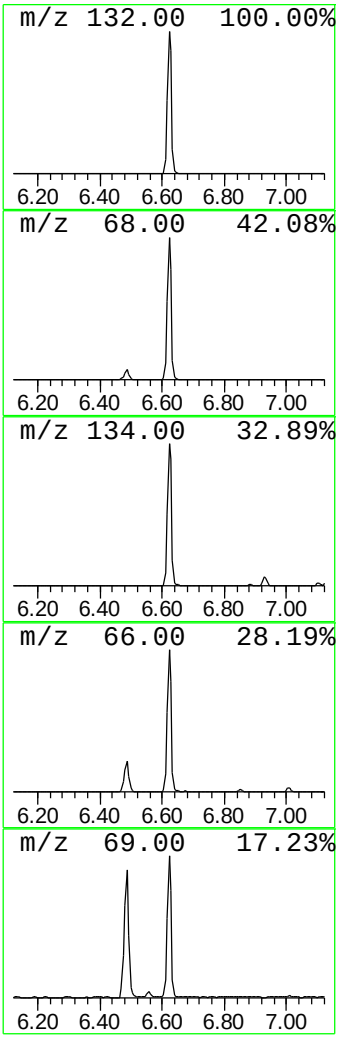
****

Peak Number 7 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	62.79 ng	2774120	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

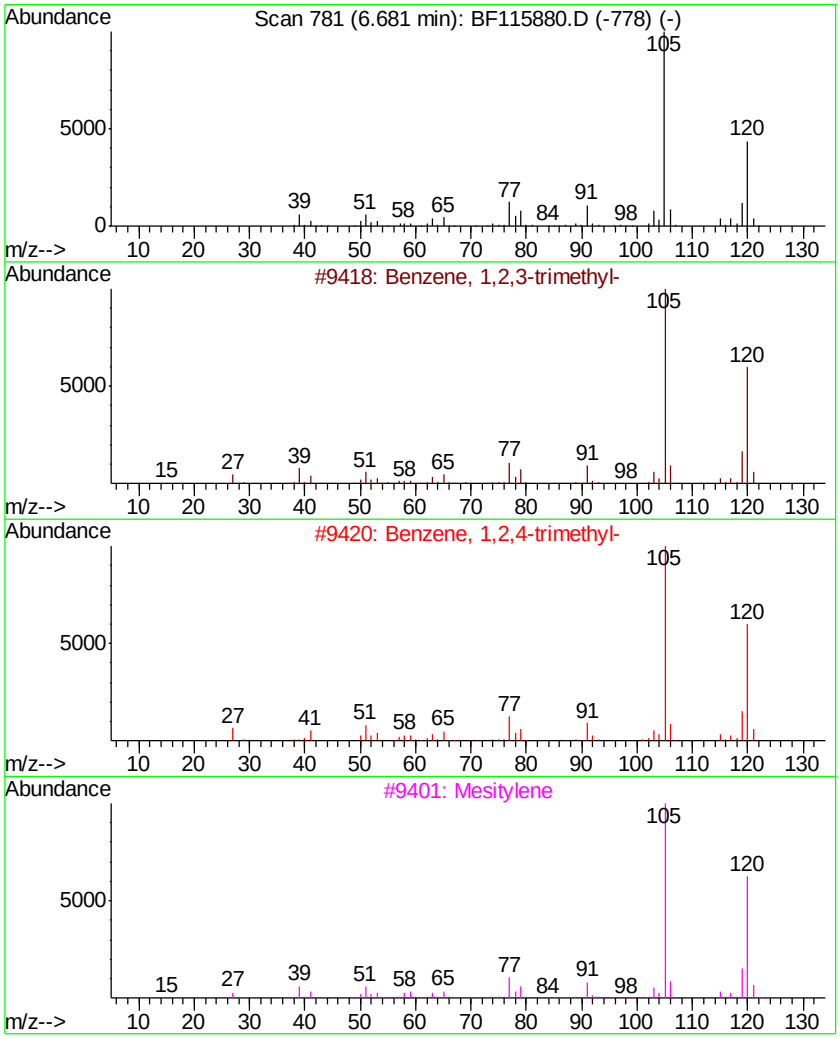
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

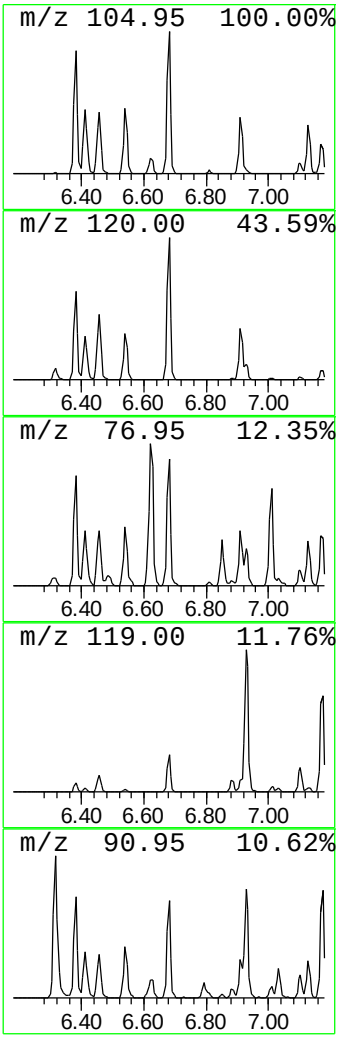
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	8.45 ng	373251	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

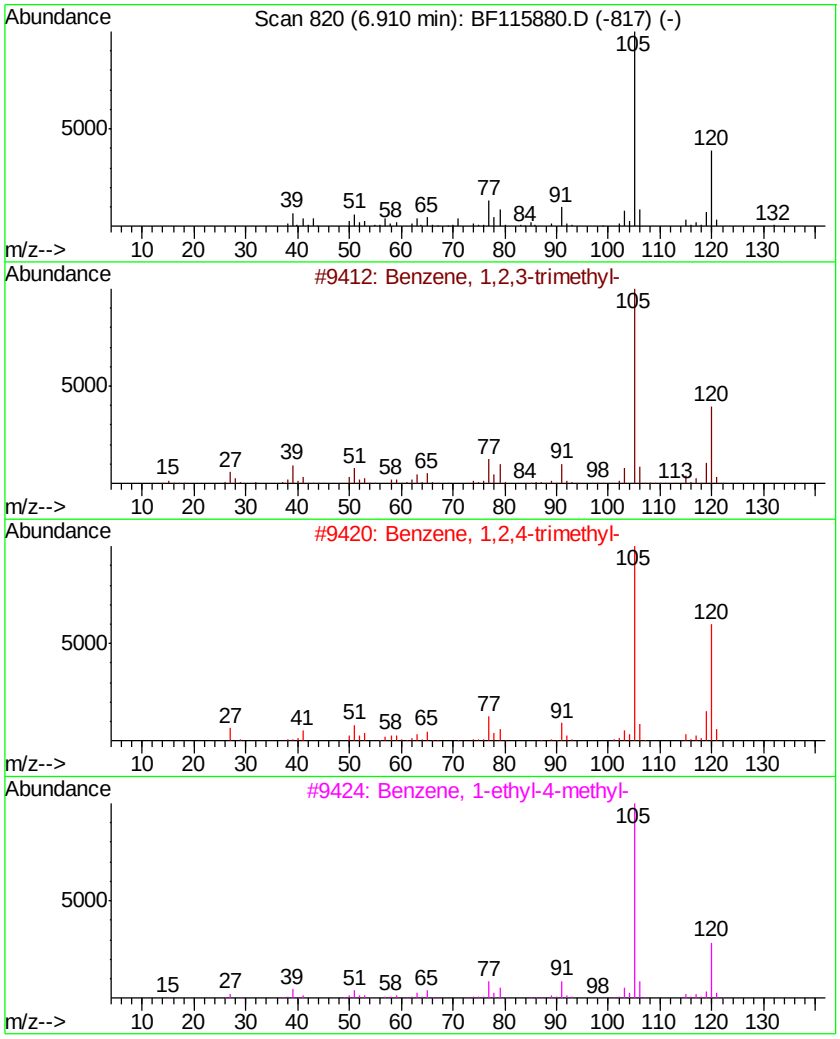
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

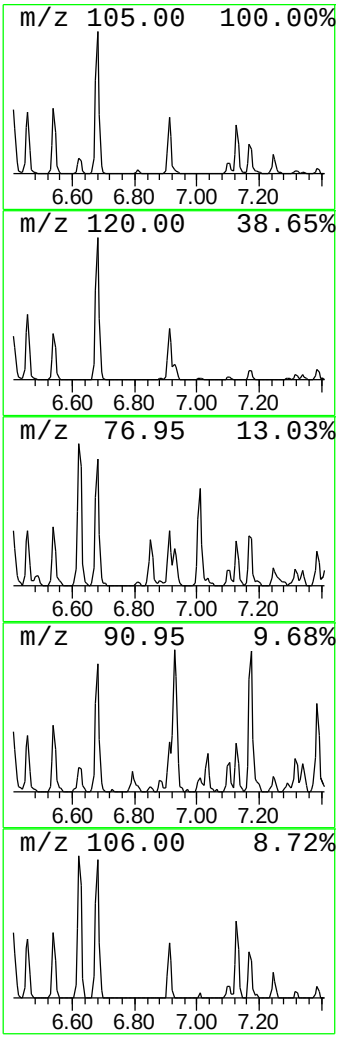
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	3.64 ng	161045	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

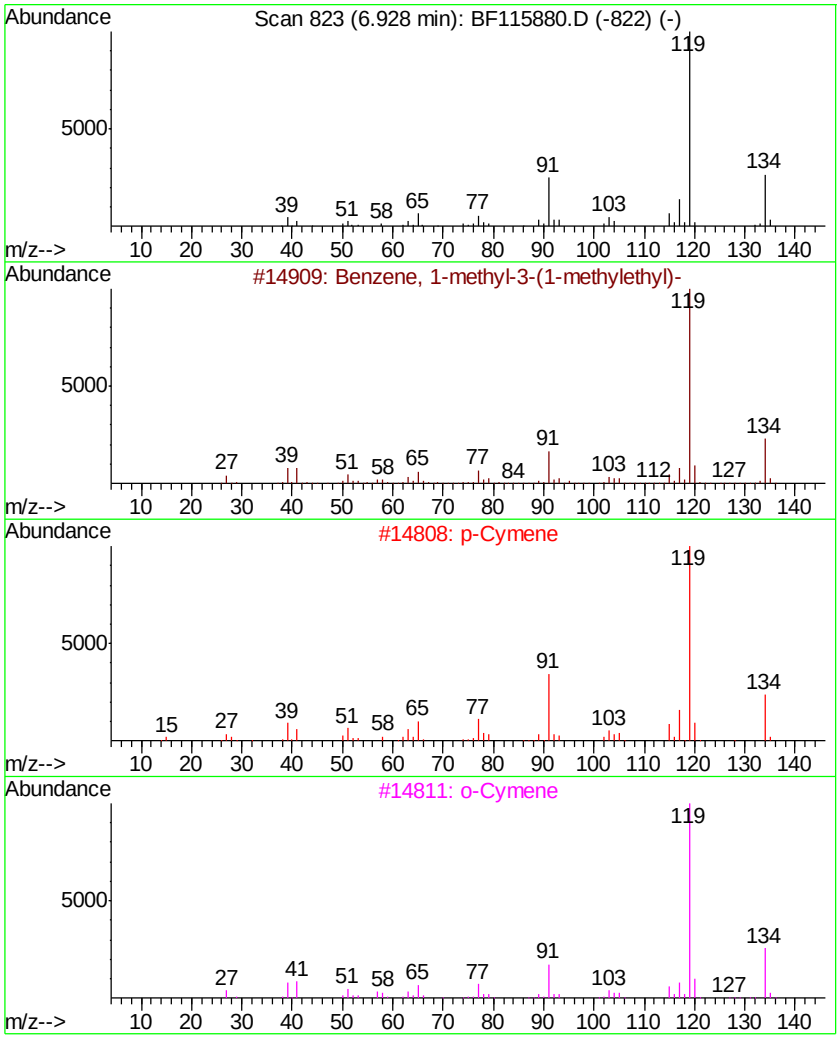
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

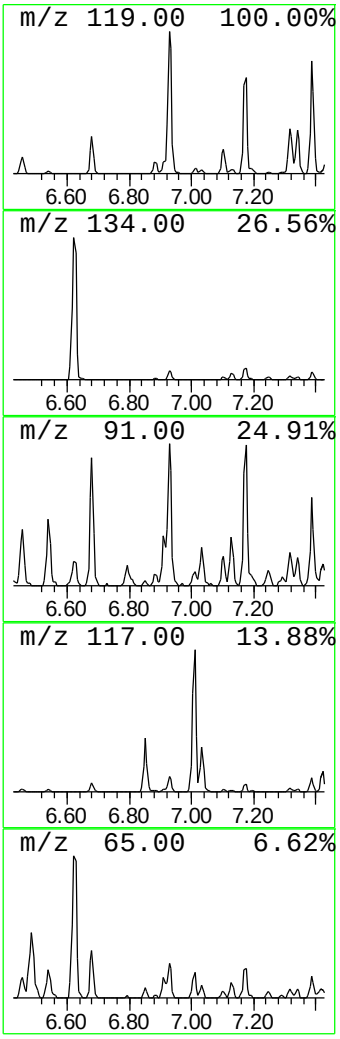
****

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	3.10 ng	137151	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

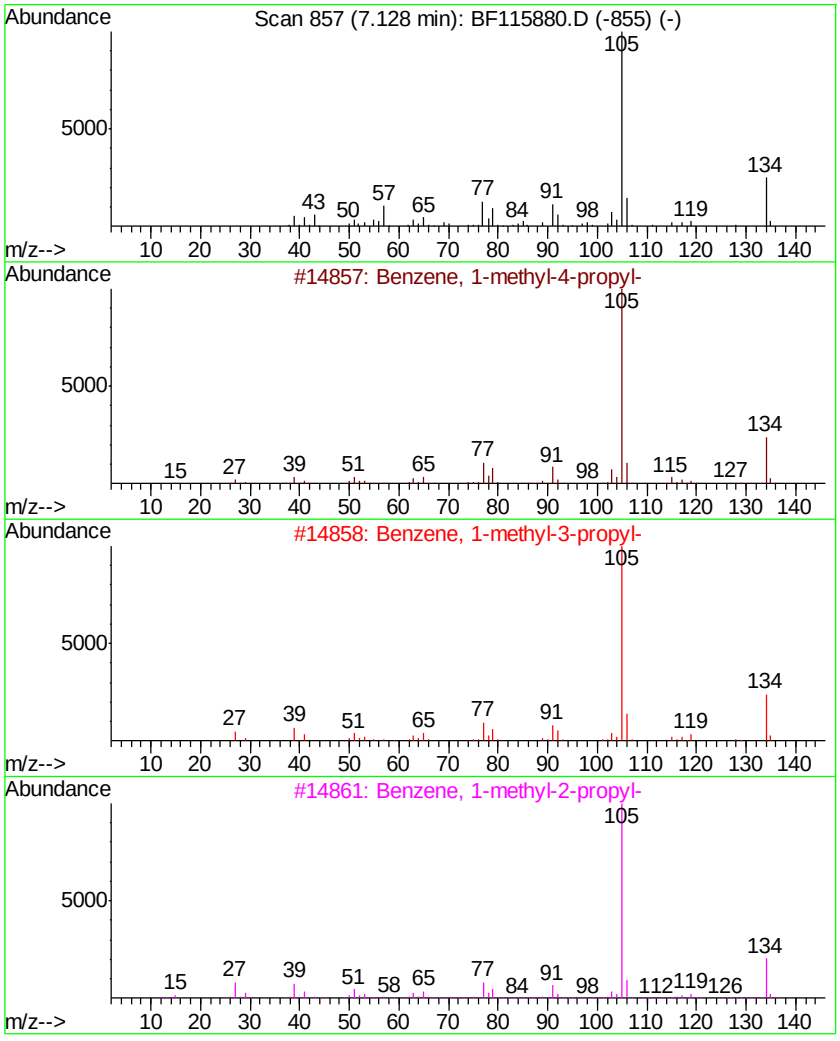
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

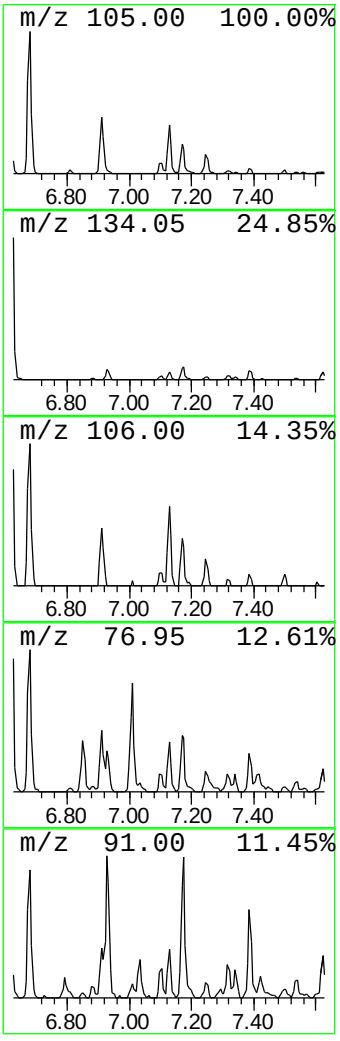
****

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	2.80 ng	123774	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	93
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5	2-Indanol	134	C9H10O	004254-29-9	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

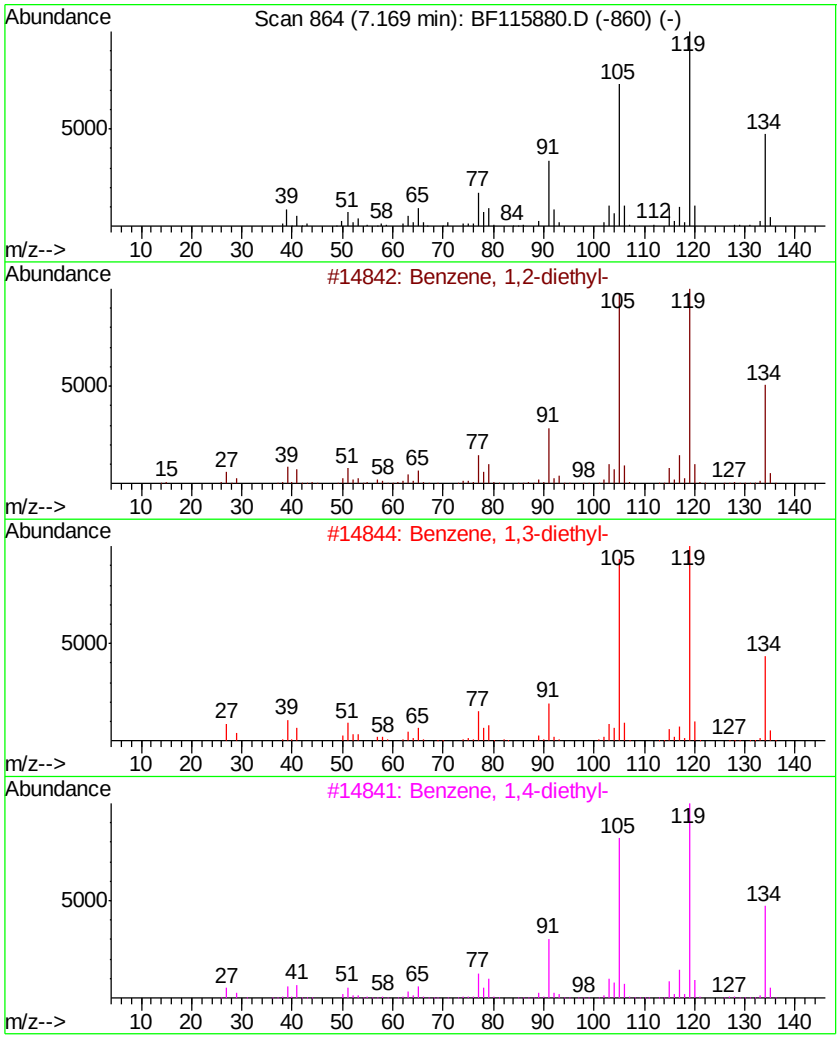
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

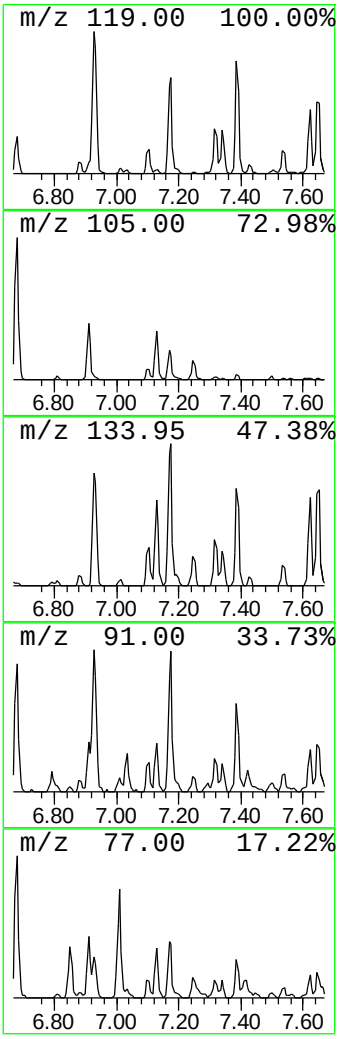
****

Peak Number 13 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	4.36 ng	192673	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

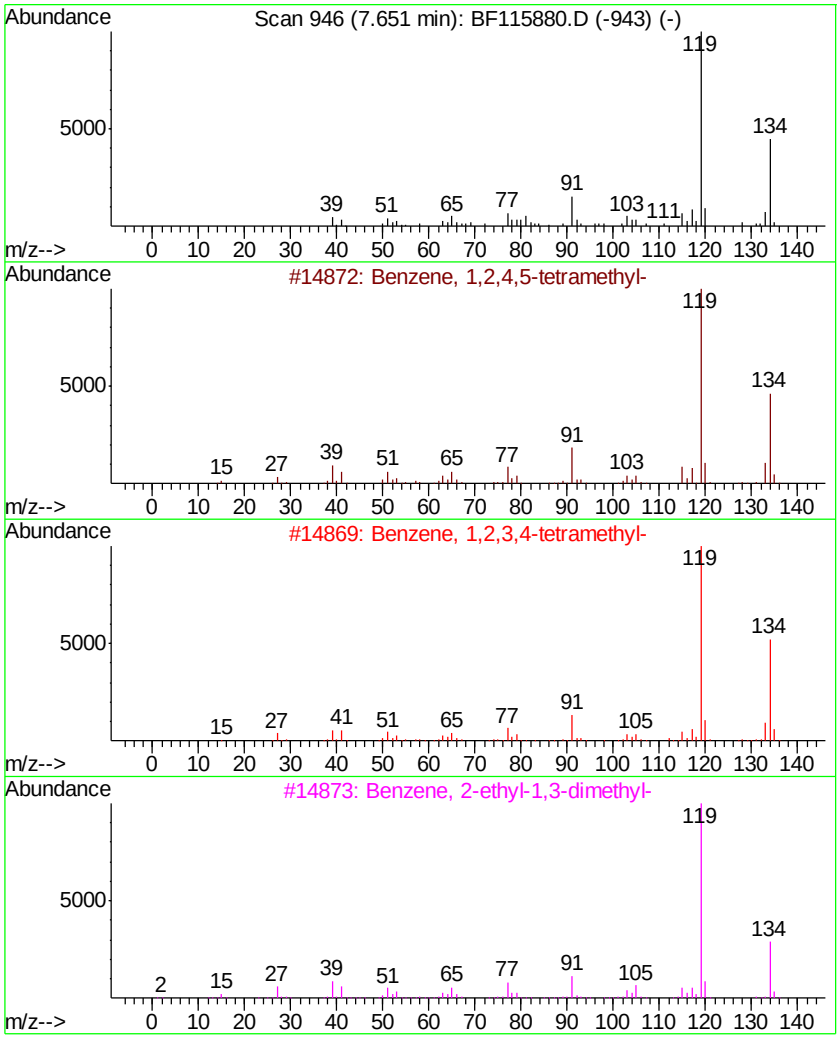
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

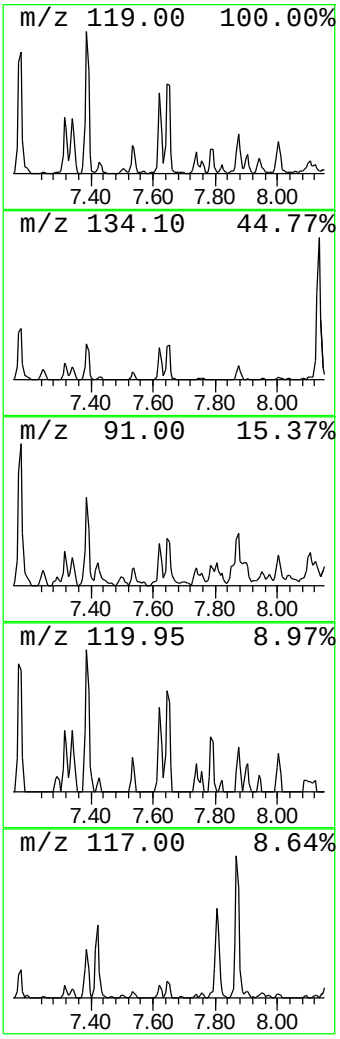
****

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	2.42 ng	137009	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

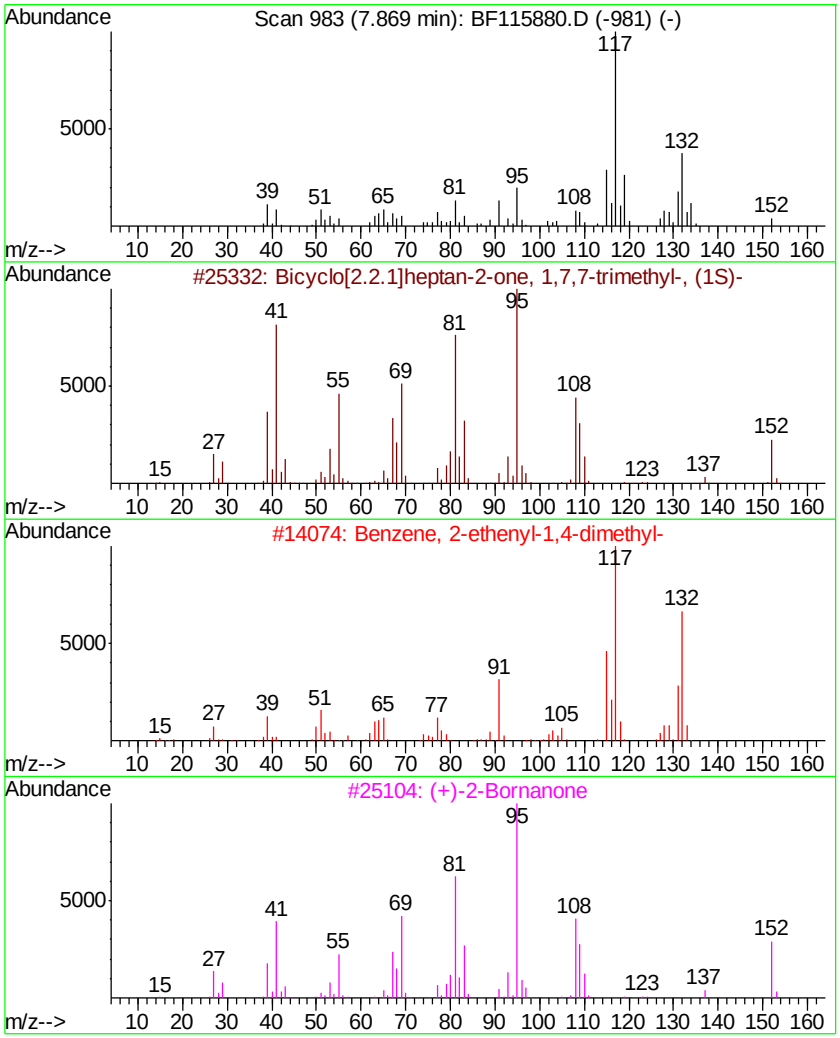
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

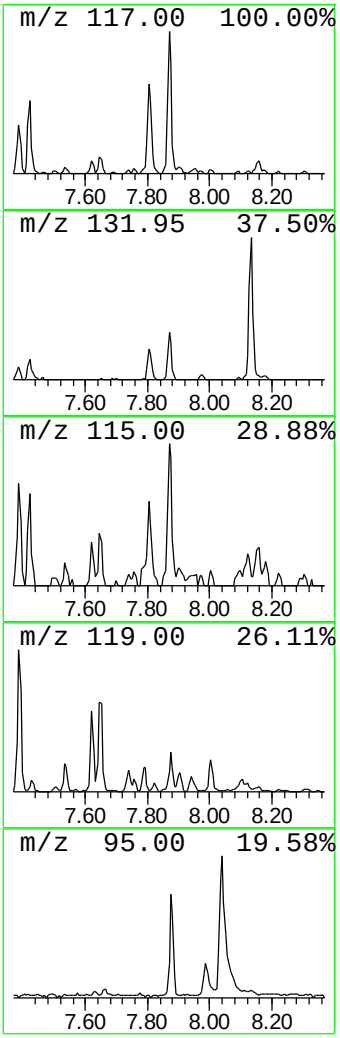
****

Peak Number 15 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	3.74 ng	211551	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	90
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	56
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	52
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	51
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

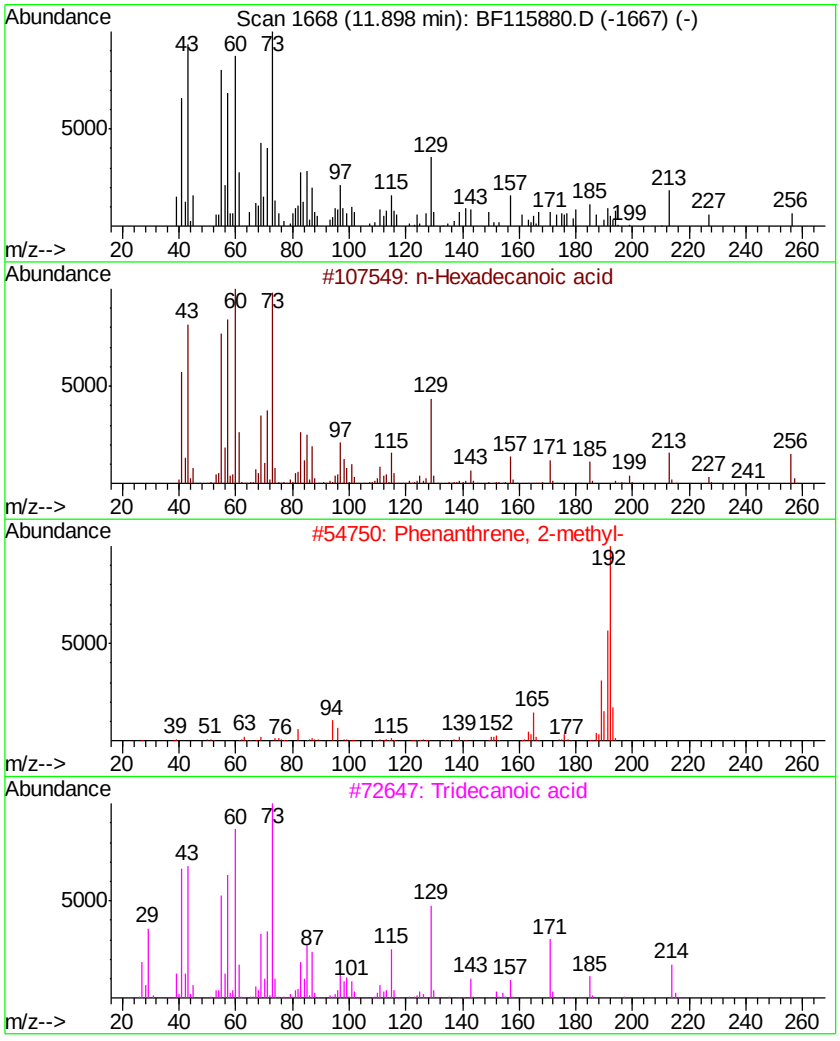
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

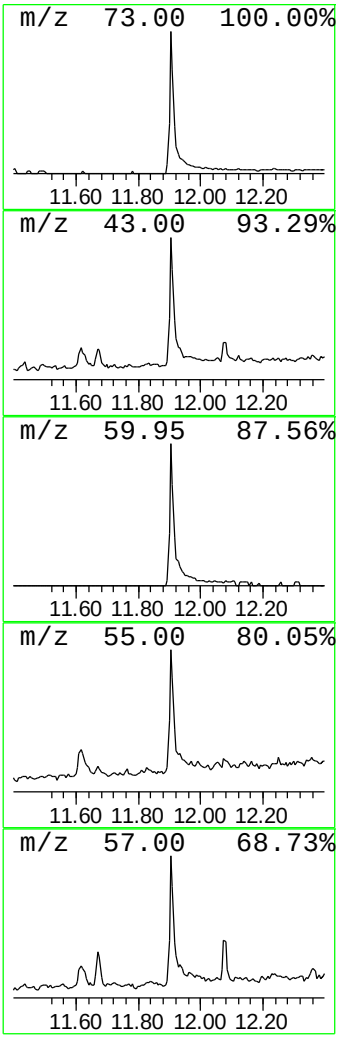
****

Peak Number 16 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.15 ng	301760	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

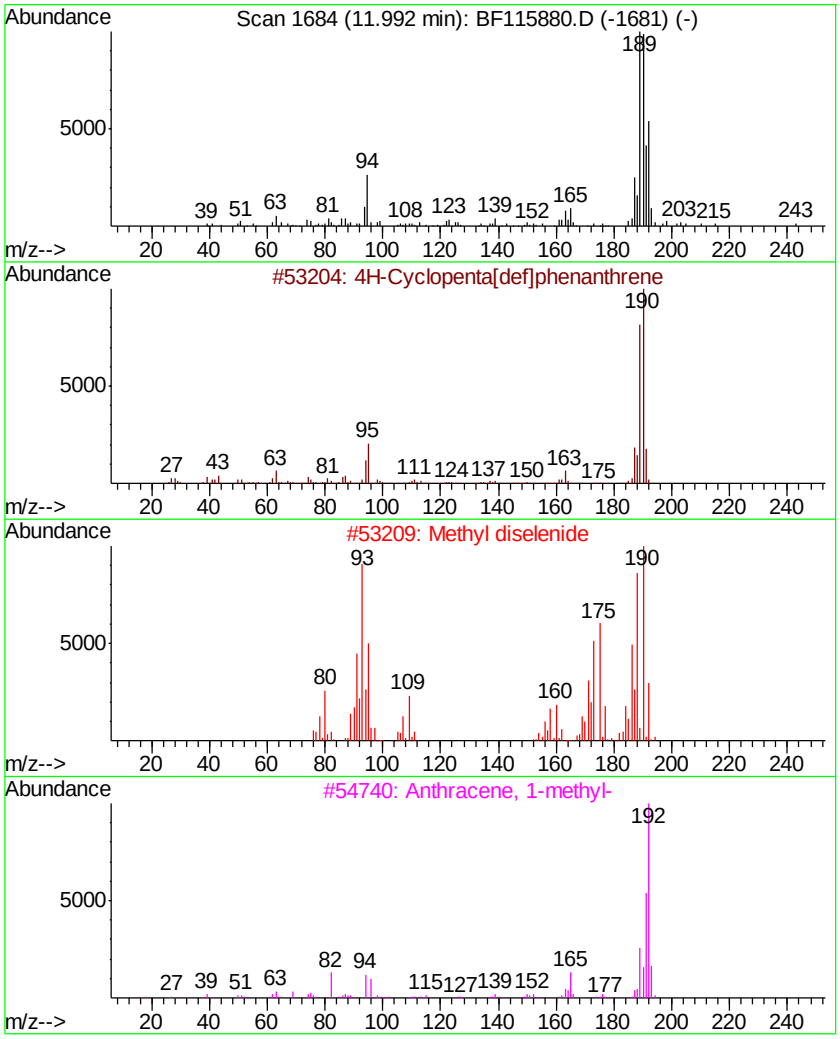
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

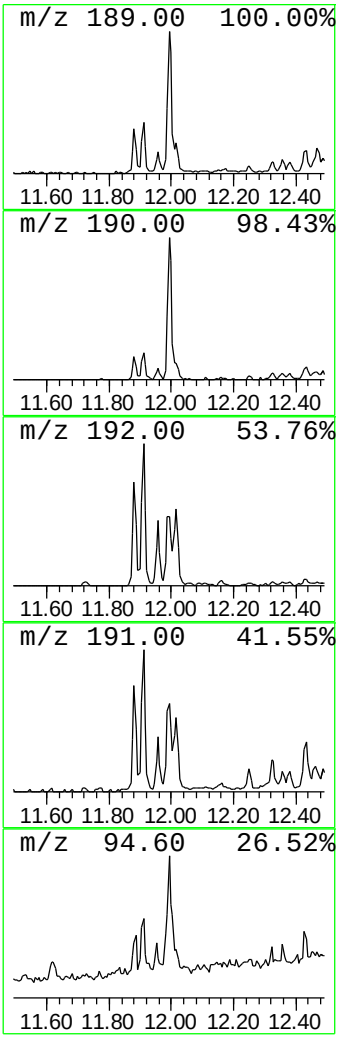
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.76 ng	161860	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

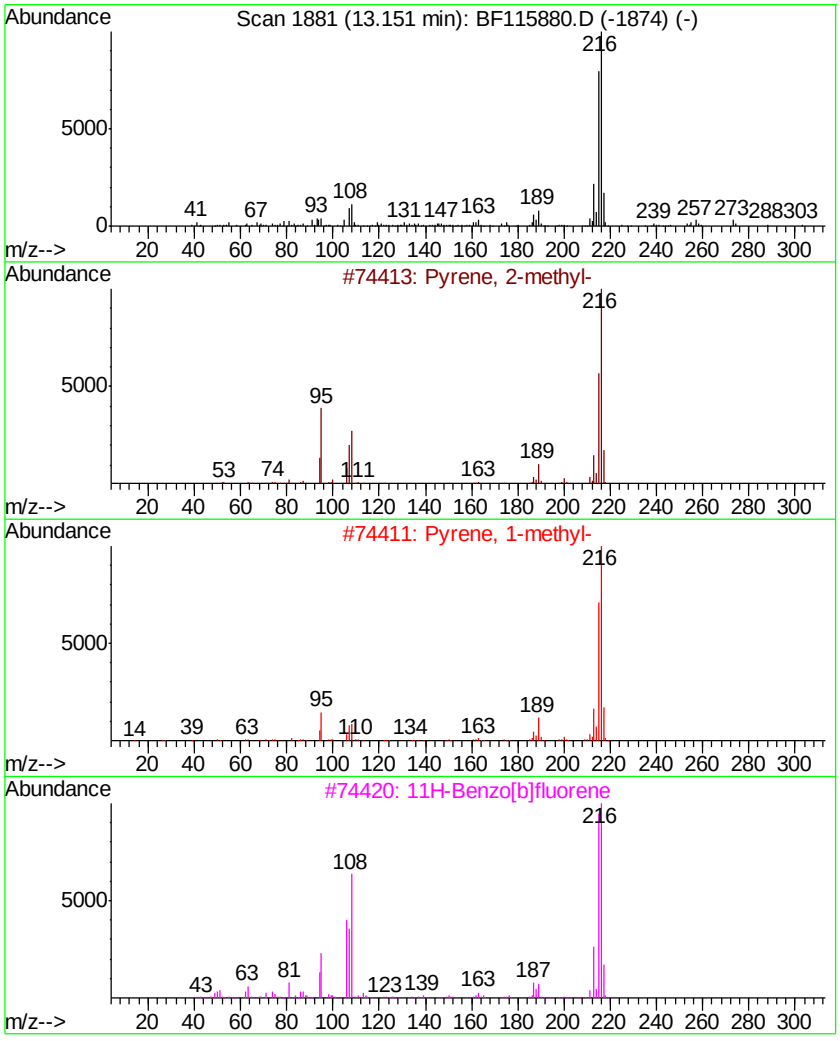
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

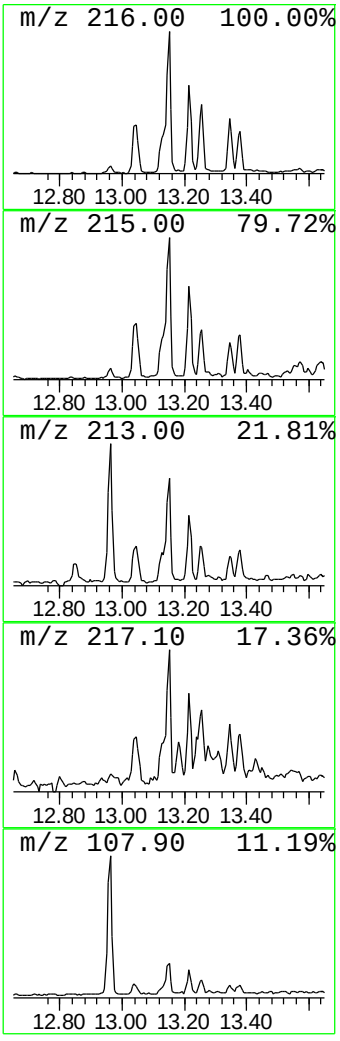
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.28 ng	258549	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

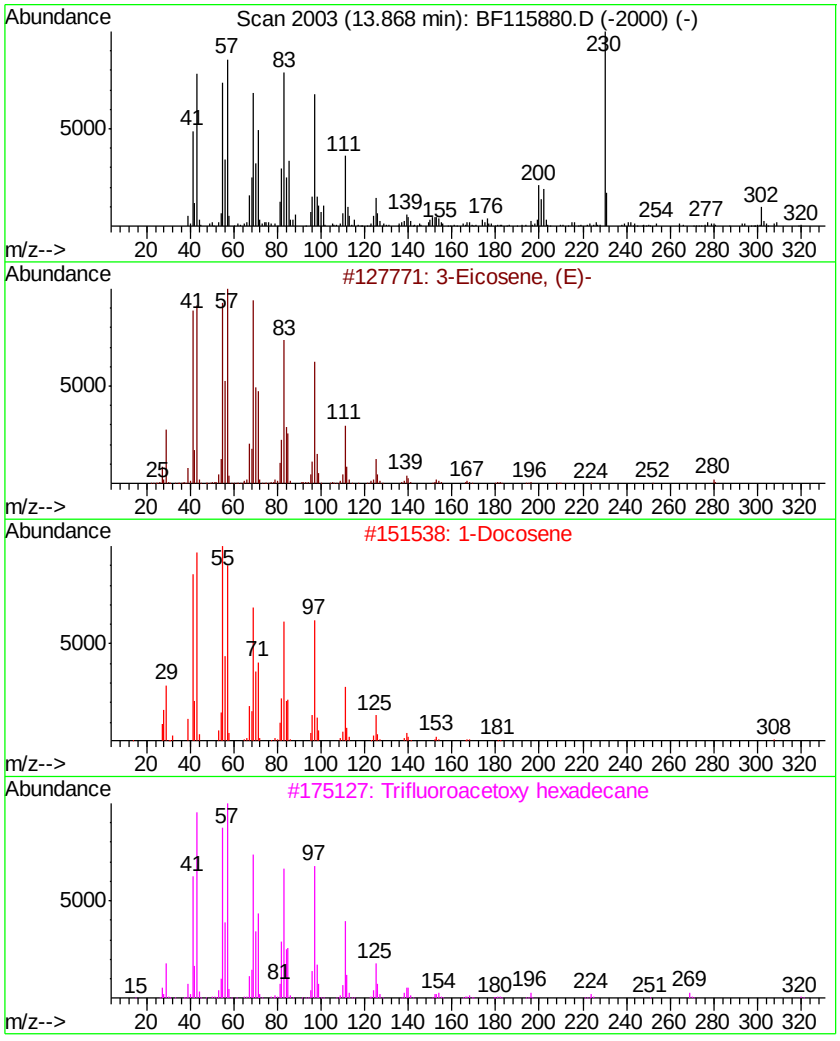
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

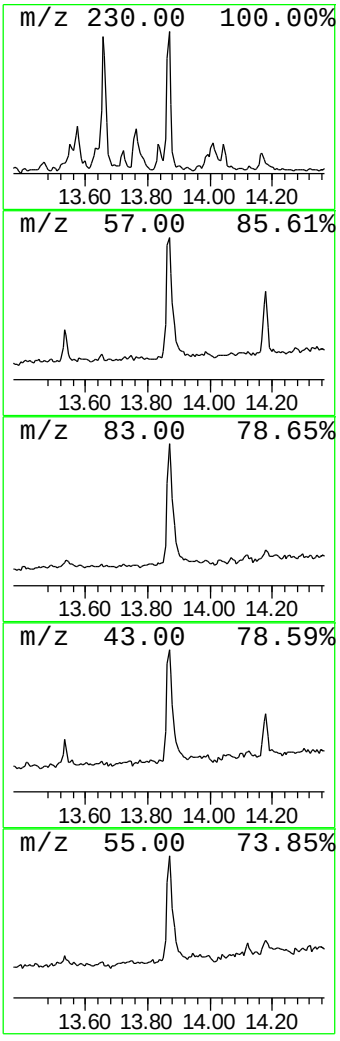
****

Peak Number 19 3-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.41 ng	426152	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	93
2	1-Docosene	308	C22H44	001599-67-3	91
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	87
5	Cyclopentadecane	210	C15H30	000295-48-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

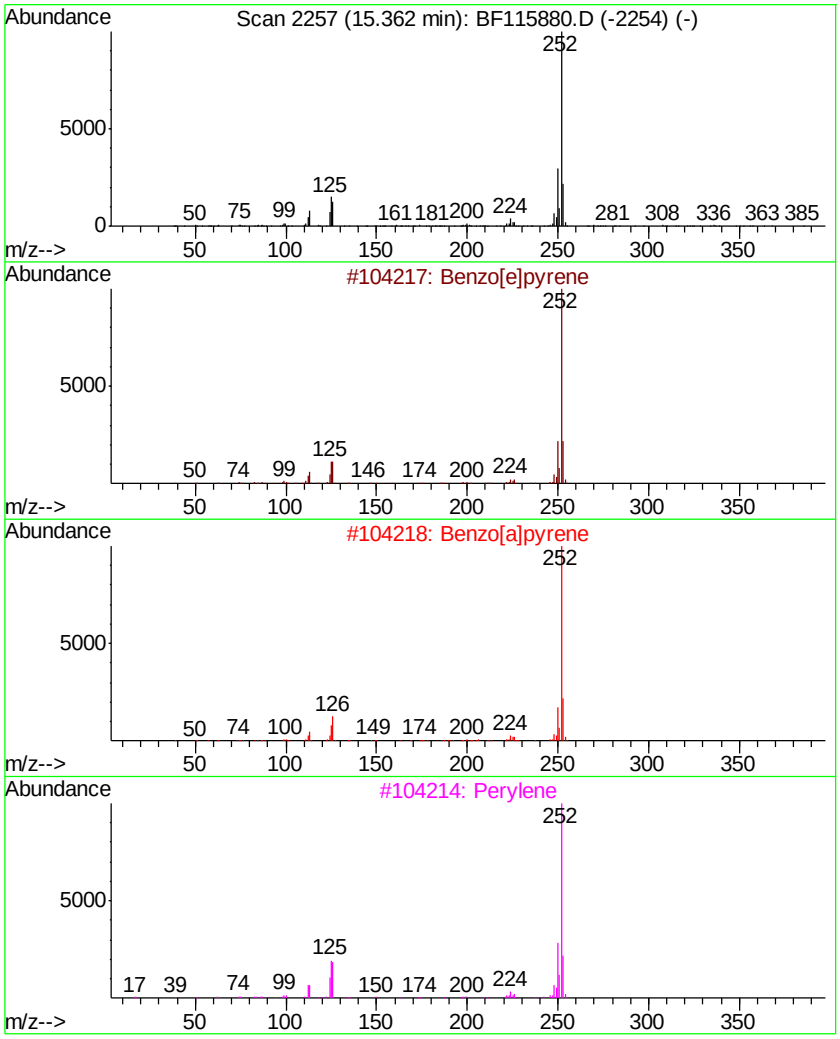
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

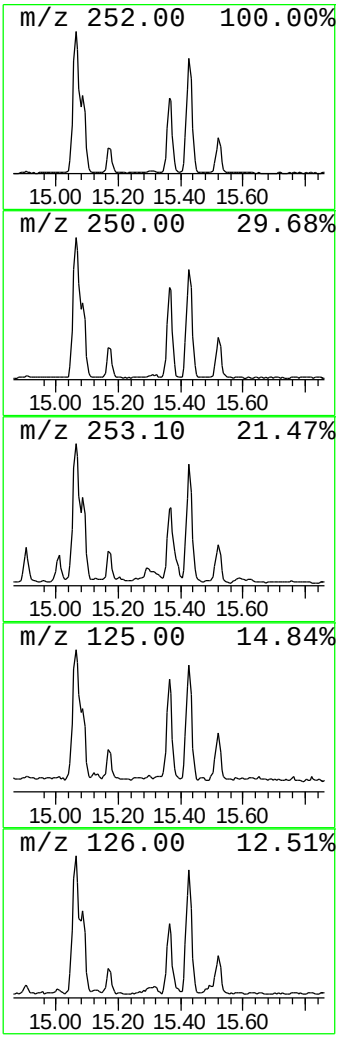
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	6.43 ng	389784	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115880.D
Acq On : 31 Jul 2019 21:40
Operator : HP/JU
Sample : K4024-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
Butane, 2-methoxy...	2.11	16.6	ng	735224	1	6.85	883657	20.0
1,3,5-Cycloheptat...	3.92	2.6	ng	115860	1	6.85	883657	20.0
Benzene, 1,3-dime...	5.70	3.8	ng	166068	1	6.85	883657	20.0
Benzene, 1-ethyl-...	6.38	6.0	ng	265839	1	6.85	883657	20.0
Benzene, 1-ethyl-...	6.41	3.1	ng	136359	1	6.85	883657	20.0
Benzene, 1-ethyl-...	6.54	3.3	ng	147074	1	6.85	883657	20.0
unknown6.62	6.62	62.8	ng	2774120	1	6.85	883657	20.0
Benzene, 1,2,3-tr...	6.68	8.4	ng	373251	1	6.85	883657	20.0
Benzene, 1,2,4-tr...	6.91	3.6	ng	161045	1	6.85	883657	20.0
Benzene, 1-methyl...	6.93	3.1	ng	137151	1	6.85	883657	20.0
Benzene, 1-methyl...	7.13	2.8	ng	123774	1	6.85	883657	20.0
Benzene, 1,2-diet...	7.17	4.4	ng	192673	1	6.85	883657	20.0
Benzene, 1,2,4,5-...	7.65	2.4	ng	137009	2	8.13	1132310	20.0
Bicyclo[2.2.1]hep...	7.87	3.7	ng	211551	2	8.13	1132310	20.0
n-Hexadecanoic acid	11.90	5.2	ng	301760	4	11.38	1171560	20.0
4H-Cyclopenta[def...	11.99	2.8	ng	161860	4	11.38	1171560	20.0
Pyrene, 2-methyl-	13.15	3.3	ng	258549	5	14.02	1576840	20.0
3-Eicosene, (E)-	13.87	5.4	ng	426152	5	14.02	1576840	20.0
Benzo[e]pyrene	15.36	6.4	ng	389784	6	15.49	1211660	20.0