LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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	3.299	200	206	215	rBV3	75314	215776	1.49%	0.127%
2	3.475	232	236	245	rVB	131054	210488	1.46%	0.124%
3	4.475	403	406	413	rVB2	150914	188143	1.30%	0.111%
4	5.410	561	565	569	rVB	5728567	5572992	38.53%	3.279%
5	5.628	598	602	617	rBV	3040389	3484645	24.09%	2.050%
6	6.387	728	731	733	rVV2	187322	211374	1.46%	0.124%
7	6.422	733	737	745	rVB	5643788	5988237	41.40%	3.523%
8	6.504	749	751	756	rVB	722614	628431	4.35%	0.370%
9	6.557	756	760	764	rVB	6443020	6084009	42.07%	3.580%
10	6.628	764	772	776	rBV	5211771	5467054	37.80%	3.217%
11	6.669	776	779	785	rVB	2710465	2315835	16.01%	1.363%
12	6.787	796	799	803	rVB	2190378	1882215	13.01%	1.107%
13	6.893	814	817	822	rVB	224374	213673	1.48%	0.126%
14	6.945	822	826	829	rBV	6432600	5174845	35.78%	3.045%
15	7.051	840	844	852	rBV	3839704	3490672	24.13%	2.054%
16	7.251	875	878	882	rBV2	135373	190015	1.31%	0.112%
17	7.298	882	886	889	rVV2	778376	617482	4.27%	0.363%
18	7.345	889	894	896	rVV	4268027	4072335	28.16%	2.396%
19	7.369	896	898	901	rVV	615578	435060	3.01%	0.256%
20	7.404	901	904	909	rVV	1699058	2211118	15.29%	1.301%
21	7.451	909	912	921	rVB	1660157	1350019	9.33%	0.794%
22	7.551	925	929	933	rBV2	470950	486434	3.36%	0.286%
23	7.593	933	936	938	rBV	464507	386408	2.67%	0.227%
24	7.645	938	945	953	rVB2	6690115	7680853	53.11%	4.519%
25	7.828	971	976	979	rBV	2073975	2071448	14.32%	1.219%
26	7.857	979	981	982	rVV	1073245	880848	6.09%	0.518%
27	7.875	982	984	987	rVB	2989910	2151801	14.88%	1.266%
28	7.945	992	996	1000	rBV3	415561	500867	3.46%	0.295%
29	7.987	1000	1003	1006	rBV	208907	222468	1.54%	0.131%
30	8.022	1006	1009	1010	rVV	214510	208167	1.44%	0.122%
31	8.069	1014	1017	1020	rBV	2789048	2465246	17.04%	1.450%
32	8.092	1020	1021	1024	rVB	334386	202531	1.40%	0.119%
33	8.192	1035	1038	1040	rBV	298321	249817	1.73%	0.147%
34	8.240	1044	1046	1050	rVB2	174466	177135	1.22%	0.104%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.292	1050	1055	1058	rBV	7295954	5943513	41.09%	3.497%
36	8.351	1061	1065	1068	rBV	8293289	6555257	45.32%	3.857%
37	8.404	1071	1074	1076	rBV2	194459	182449	1.26%	0.107%
38	8.516	1087	1093	1094	rBV3	204313	317840	2.20%	0.187%
39	8.528	1094	1095	1100	rVB2	417607	488104	3.37%	0.287%
40	8.581	1100	1104	1109	rBV2	651717	672321	4.65%	0.396%
41	8.628	1109	1112	1115	rBV4	196279	284764	1.97%	0.168%
42	8.716	1122	1127	1129	rBV	180903	173809	1.20%	0.102%
43	8.781	1134	1138	1144	rVB2	2597082	2901537	20.06%	1.707%
44	8.845	1146	1149	1153	rVB	2309791	1793132	12.40%	1.055%
45	8.887	1153	1156	1159	rBV	1267287	1071165	7.41%	0.630%
46	8.916	1159	1161	1163	rVB	350687	234783	1.62%	0.138%
47	8.957	1165	1168	1170	rBV	1472391	1317139	9.11%	0.775%
48	8.975	1170	1171	1175	rVB	912177	650901	4.50%	0.383%
49	9.028	1175	1180	1183	rBV	644688	531556	3.68%	0.313%
50	9.069	1184	1187	1191	rVB	2494305	1944052	13.44%	1.144%
51	9.122	1191	1196	1198	rBV	812014	761475	5.26%	0.448%
52	9.151	1198	1201	1206	rVB	9751563	8236485	56.95%	4.846%
53	9.204	1206	1210	1213	rBV3	271995	381627	2.64%	0.225%
54	9.275	1219	1222	1225	rBV	2221551	1853682	12.82%	1.091%
55	9.304	1225	1227	1232	rVB	759740	629619	4.35%	0.370%
56	9.363	1232	1237	1239	rBV2	486186	499826	3.46%	0.294%
57	9.392	1239	1242	1244	rBV	505684	403724	2.79%	0.238%
58	9.445	1248	1251	1256	rVB	902715	801571	5.54%	0.472%
59	9.492	1256	1259	1262	rVB	462839	358890	2.48%	0.211%
60	9.551	1263	1269	1273	rBV2	1373945	1861843	12.87%	1.095%
61	9.628	1279	1282	1284	rVB	543018	395045	2.73%	0.232%
62	9.692	1289	1293	1296	rBV	1950572	1848906	12.78%	1.088%
63	9.722	1296	1298	1300	rVB	266164	191441	1.32%	0.113%
64	9.745	1300	1302	1304	rVB	219693	162083	1.12%	0.095%
65	9.775	1304	1307	1309	rBV	1078656	974211	6.74%	0.573%
66	9.798	1309	1311	1314	rVV	640695	624924	4.32%	0.368%
67	9.834	1314	1317	1320	rVV	3138154	2754986	19.05%	1.621%
68	9.863	1320	1322	1324	rVB	510554	343345	2.37%	0.202%
69	9.998	1343	1345	1347	rBV2	192449	153443	1.06%	0.090%
70	10.110	1361	1364	1366	rBV2	327036	302096	2.09%	0.178%
71	10.139	1366	1369	1370	rVV2	573326	491830	3.40%	0.289%

LSC Area Percent Report

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Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.157	1370	1372	1377	rVB3	601600	666645	4.61%	0.392%
73	10.257	1386	1389	1391	rBV3	202379	198575	1.37%	0.117%
74	10.286	1391	1394	1397	rVB	351762	281800	1.95%	0.166%
75	10.328	1399	1401	1403	rVV	223509	210166	1.45%	0.124%
76	10.351	1403	1405	1407	rVV	282100	200110	1.38%	0.118%
77	10.392	1410	1412	1417	rVB	243767	215332	1.49%	0.127%
78	10.492	1426	1429	1434	rVB3	217503	284394	1.97%	0.167%
79	10.563	1439	1441	1446	rVB	246486	249296	1.72%	0.147%
80	10.622	1447	1451	1454	rBV	5332649	4645182	32.12%	2.733%
81	10.686	1459	1462	1464	rVB2	181537	172846	1.20%	0.102%
82	10.751	1470	1473	1474	rBV	373513	353332	2.44%	0.208%
83	10.851	1488	1490	1493	rBV	485477	359553	2.49%	0.212%
84	11.145	1534	1540	1543	rBV	12261732	14463169	100.00%	8.510%
85	11.233	1553	1555	1559	rVB	453834	437222	3.02%	0.257%
86	11.328	1568	1571	1573	rBV	3109364	2506916	17.33%	1.475%
87	11.351	1573	1575	1577	rVV	816927	602705	4.17%	0.355%
88	11.404	1581	1584	1586	rVV	748611	634041	4.38%	0.373%
89	11.869	1660	1663	1667	rBV2	1291364	1277446	8.83%	0.752%
90	11.945	1673	1676	1679	rBV	620534	889280	6.15%	0.523%
91	12.551	1776	1779	1782	rBV	1932812	1804817	12.48%	1.062%
92	12.786	1816	1819	1823	rVB	2831912	2502908	17.31%	1.473%
93	12.933	1840	1844	1847	rBV	6919146	6200879	42.87%	3.648%
94	13.998	2021	2025	2028	rBV2	2716117	3708331	25.64%	2.182%
95	15.051	2201	2204	2215	rVB	1439948	2880180	19.91%	1.695%
96	15.357	2253	2256	2259	rVB	1175165	1243062	8.59%	0.731%
97	15.416	2263	2266	2271	rVB2	1351927	1644315	11.37%	0.967%
98	15.480	2274	2277	2281	rVB	1680266	1913715	13.23%	1.126%
99	16.963	2525	2529	2536	rVB2	718561	1269622	8.78%	0.747%
100	17.404	2600	2604	2613	rVB	704703	1362448	9.42%	0.802%

Sum of corrected areas: 169960102

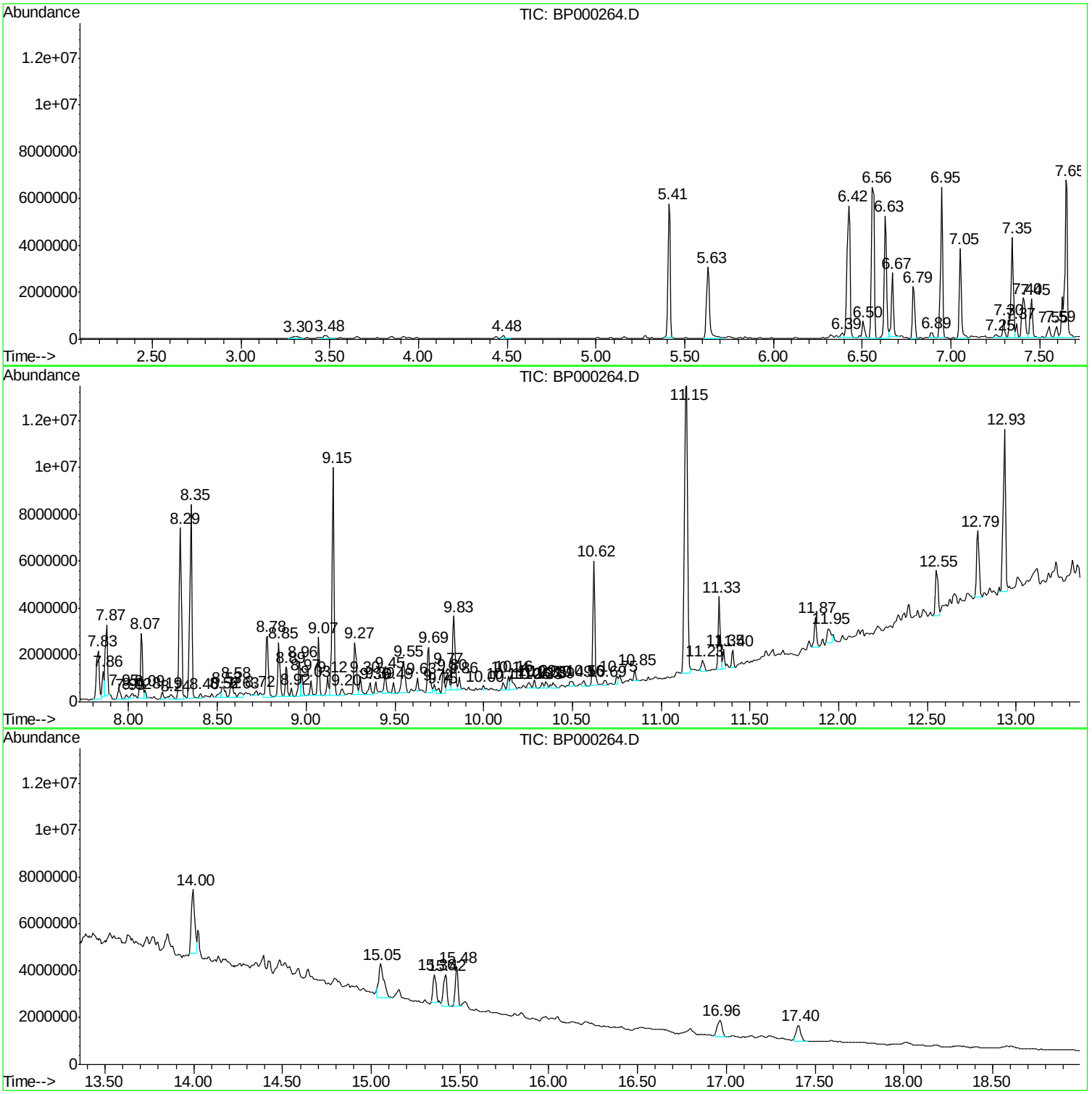
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
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Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

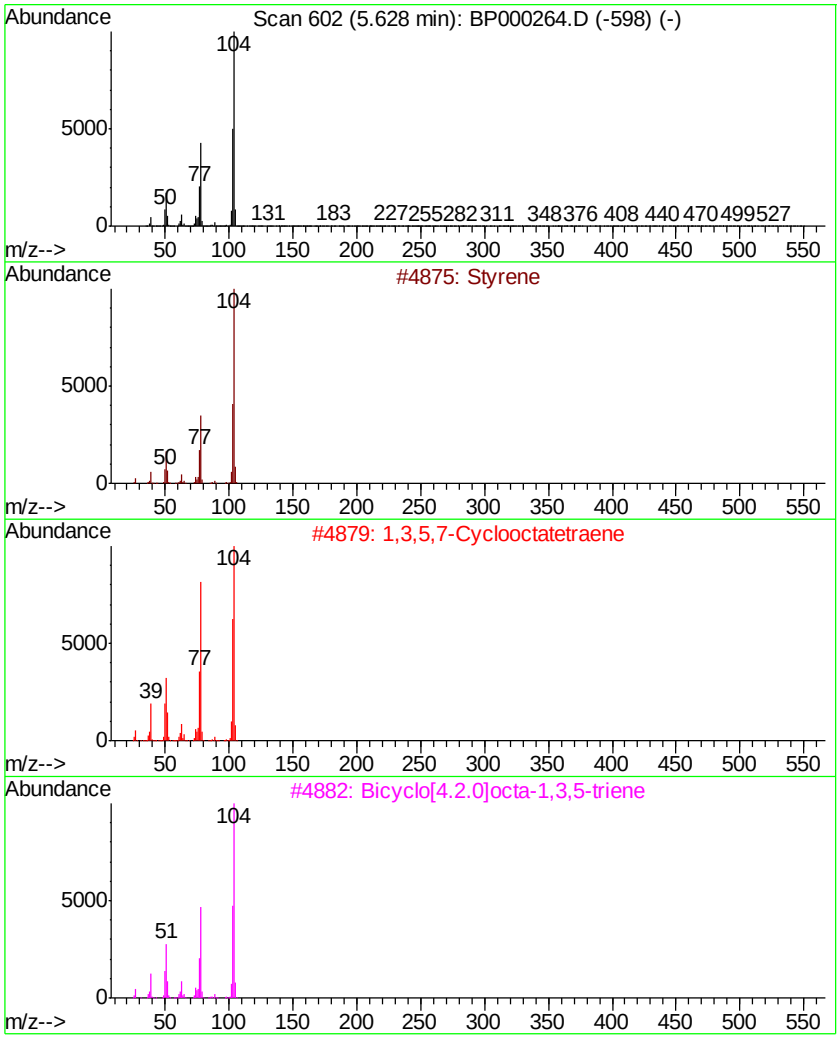
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

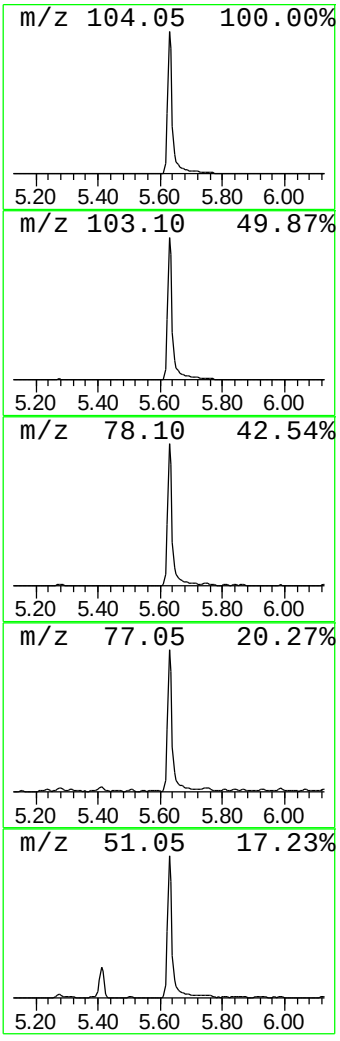
****

Peak Number 1 Styrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	37.03 ng	3484650	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	97
2	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	95
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

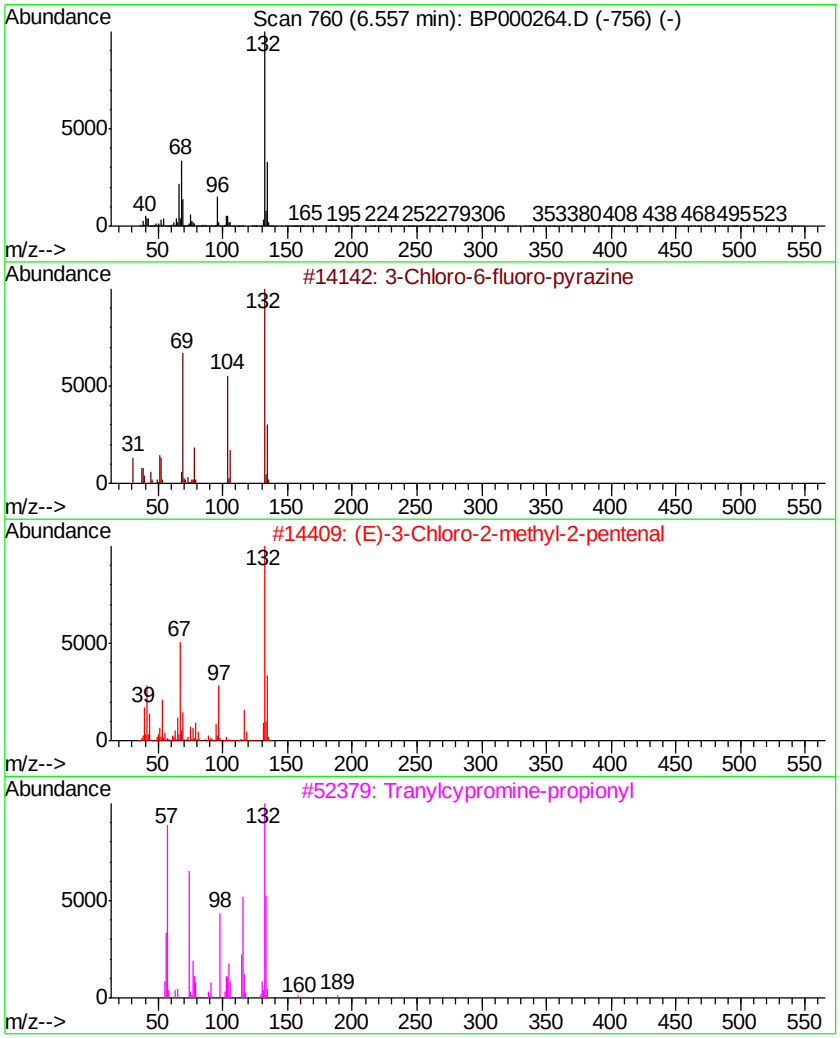
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

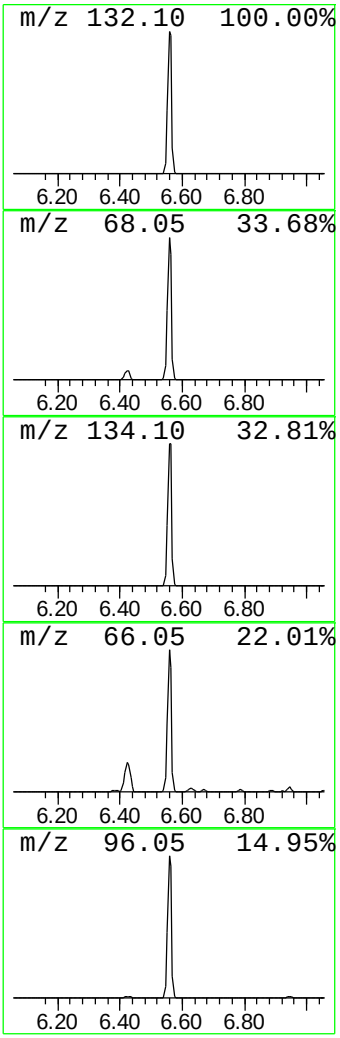
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	64.65 ng	6084010	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Misc :
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Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

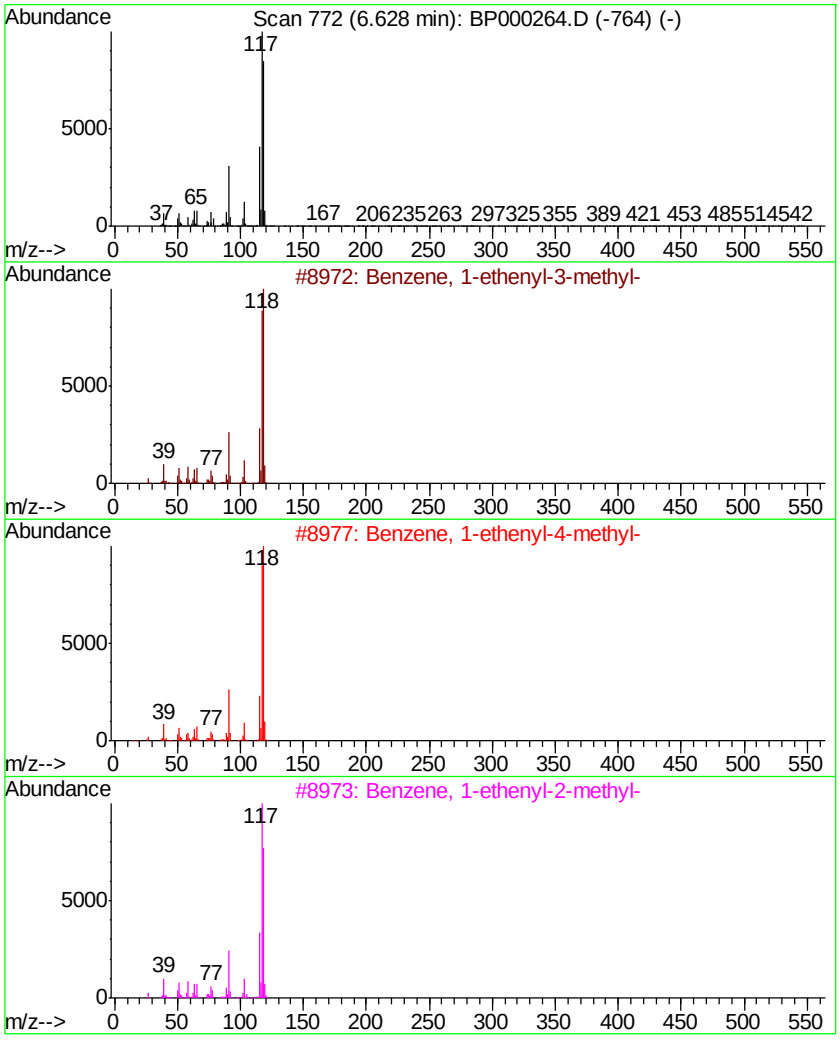
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

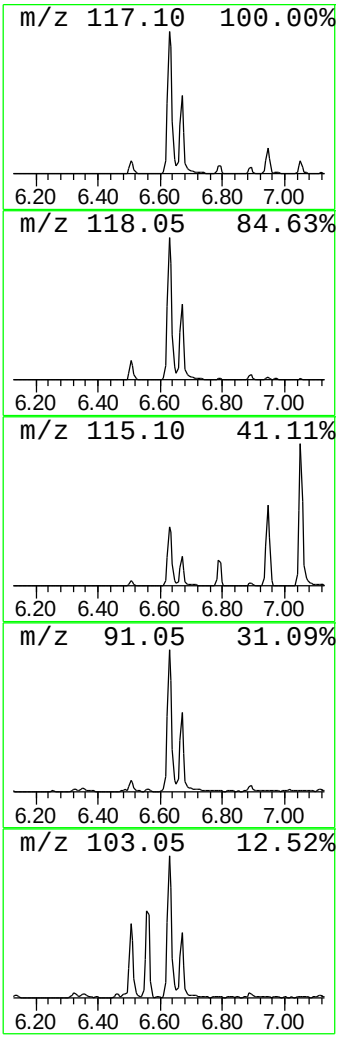
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	58.09 ng	5467050	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

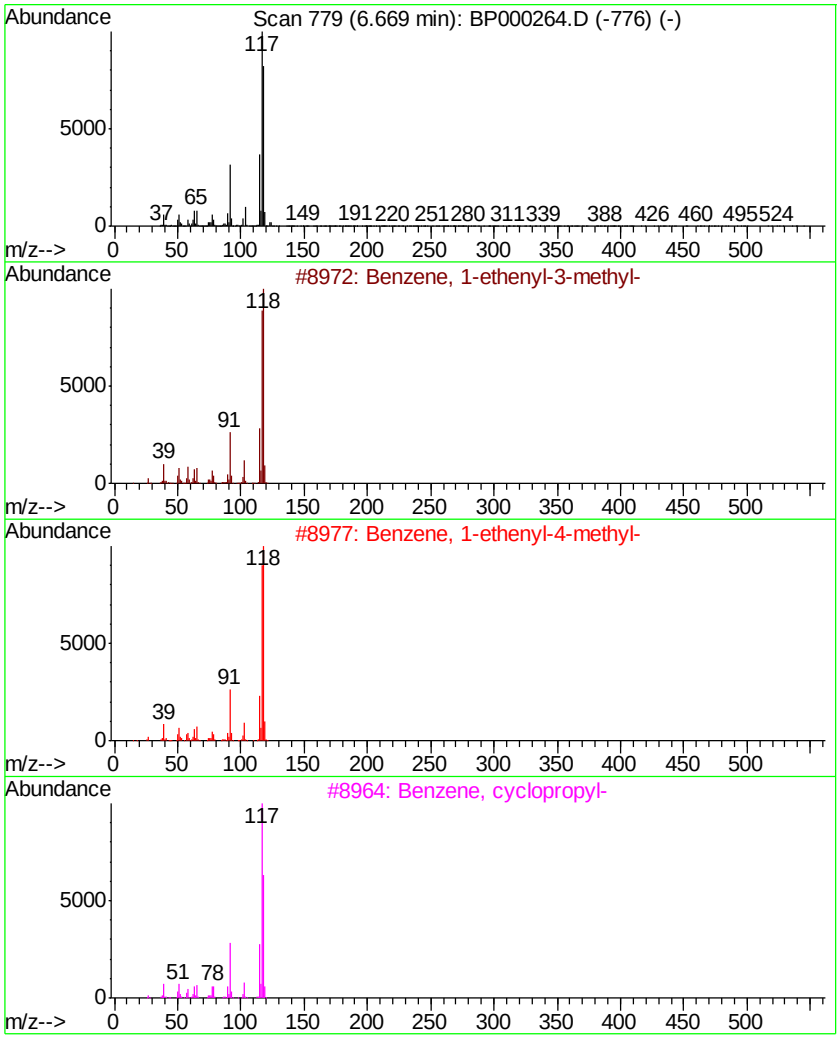
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

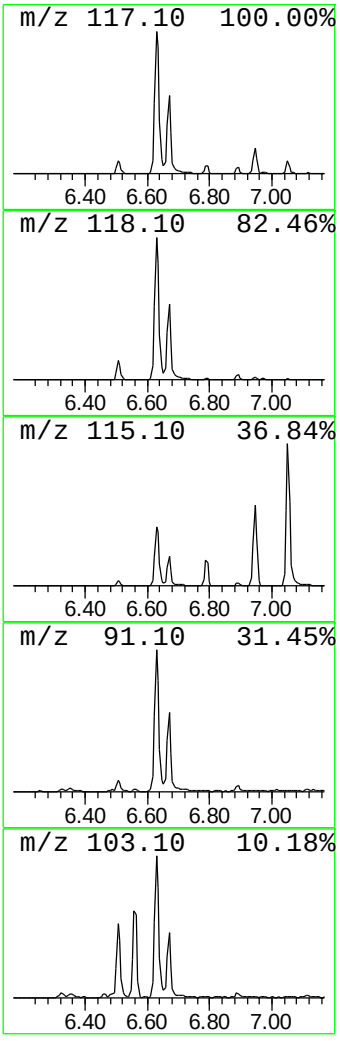
****

Peak Number 4 Benzene, 1-ethenyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	24.61 ng	2315840	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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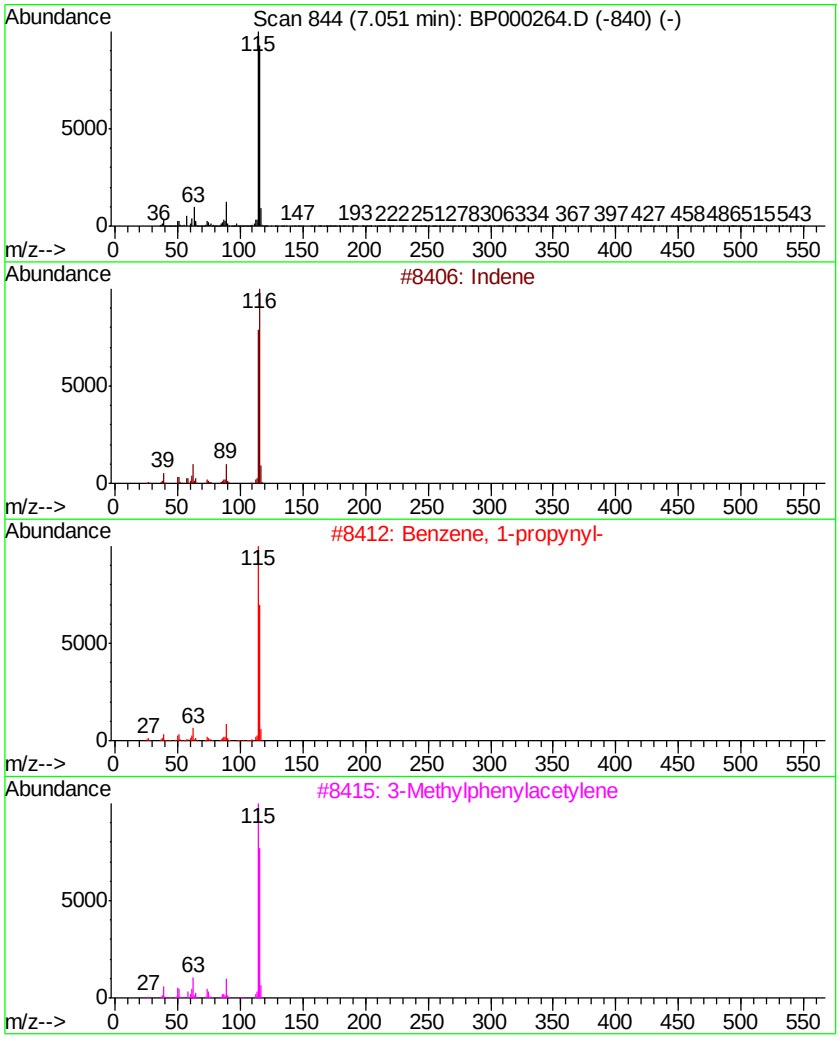
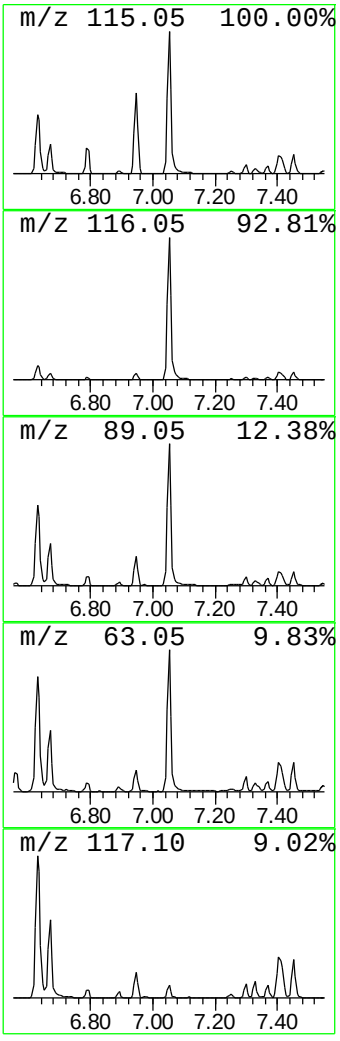
Peak Number 6 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	37.09 ng	3490670	1,4-Dichlorobenzene-d4	6.79

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





Library Search Compound Report

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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

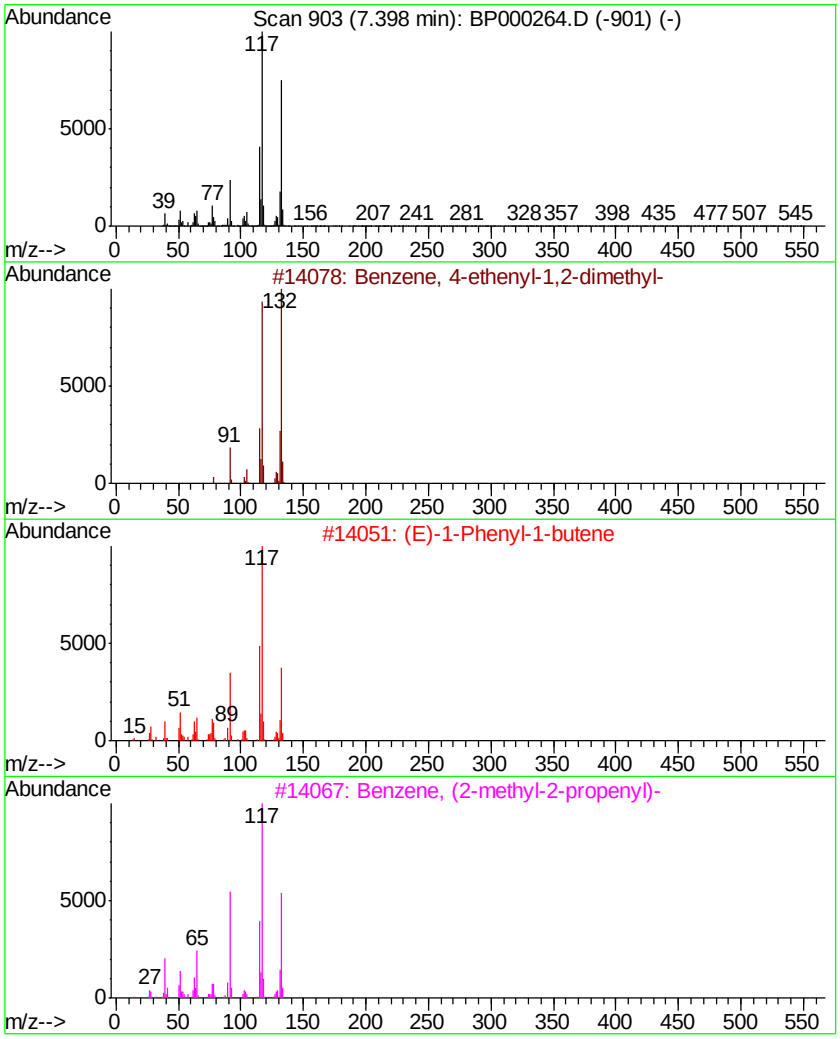
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

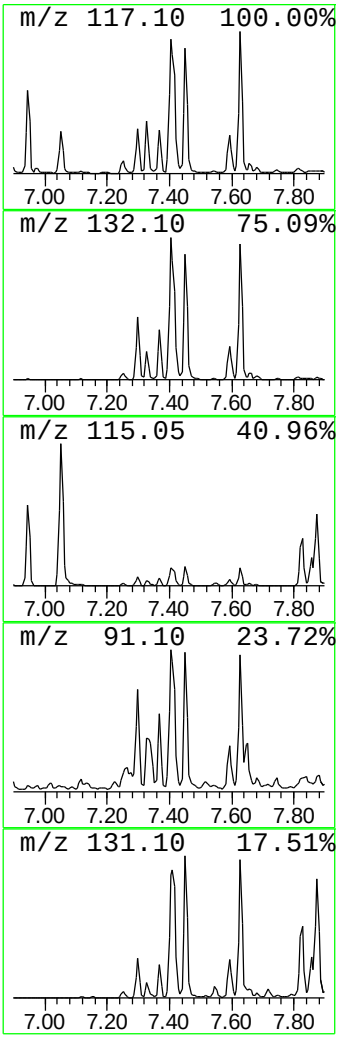
****

Peak Number 7 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	23.49 ng	2211120	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94





Library Search Compound Report

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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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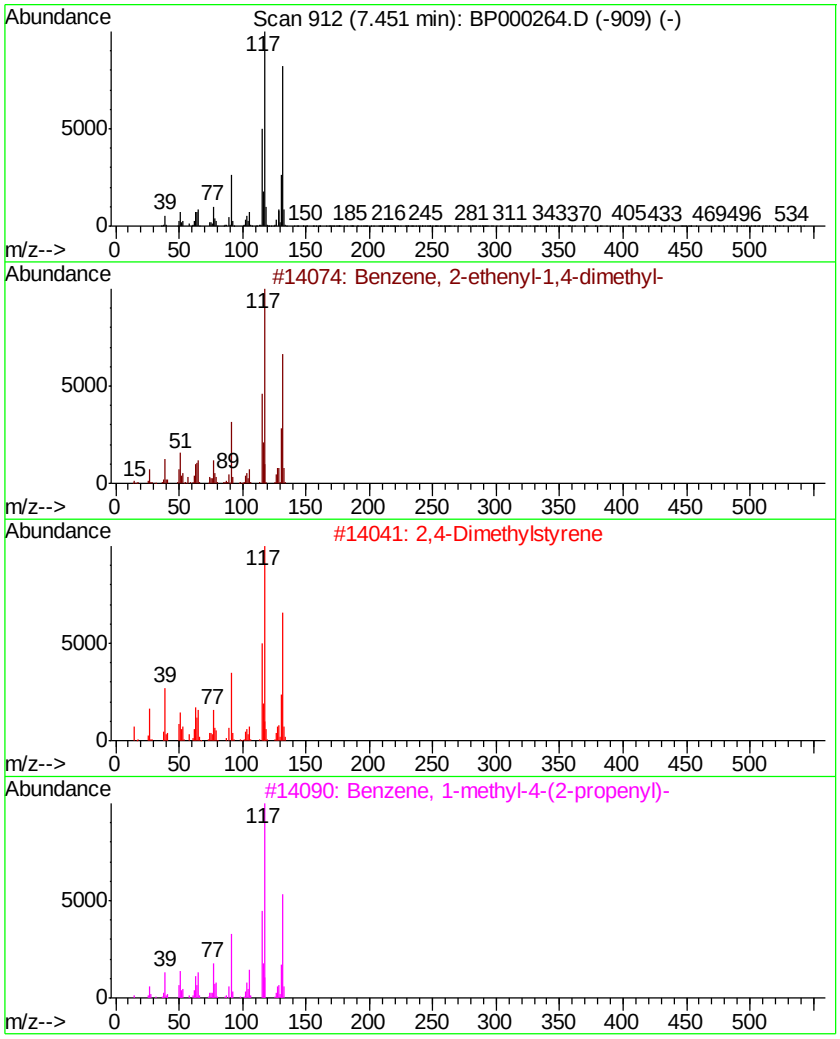
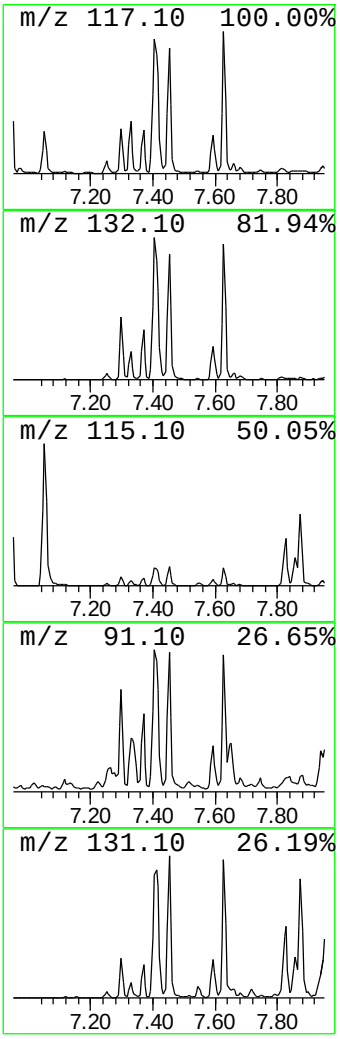
Peak Number 8 2,4-Dimethylstyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	10.95 ng	1350020	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94





Library Search Compound Report

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Data File : BP000264.D
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Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

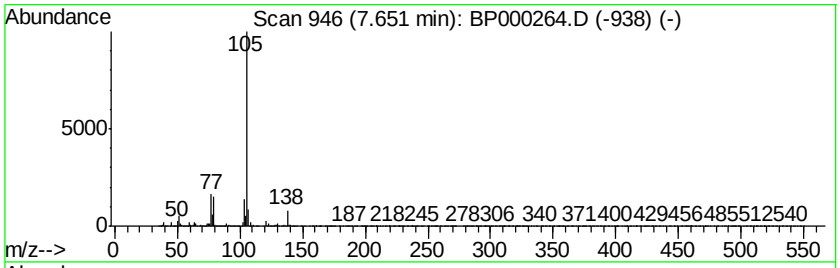
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

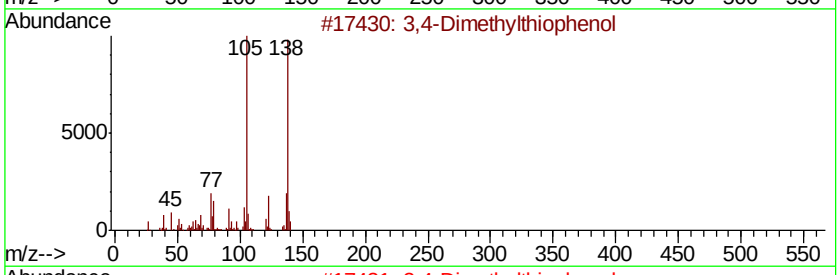
****

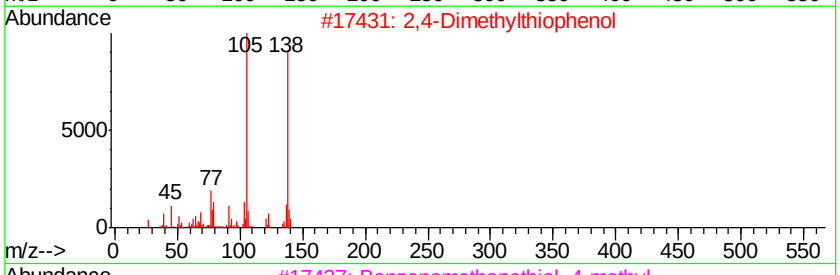
Peak Number 9 3,4-Dimethylthiophenol Concentration Rank 2

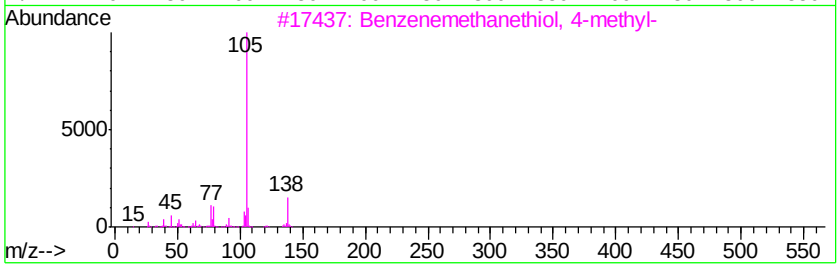
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	62.31 ng	7680850	Naphthalene-d8	8.07

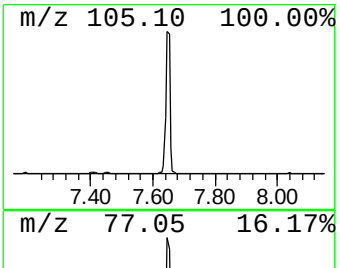
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	78
2	2,4-Dimethylthiophenol	138	C8H10S	013616-82-5	78
3	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	78
4	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	72
5	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	64

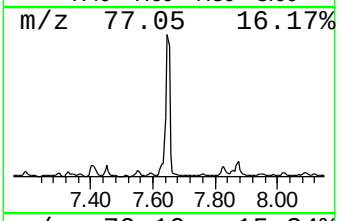


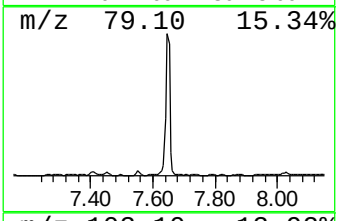


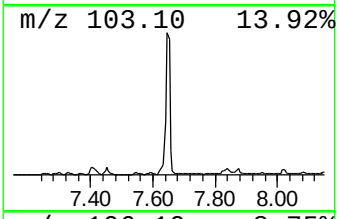


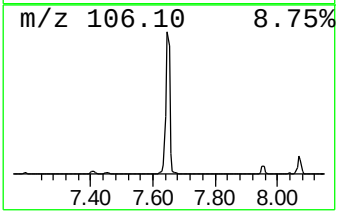












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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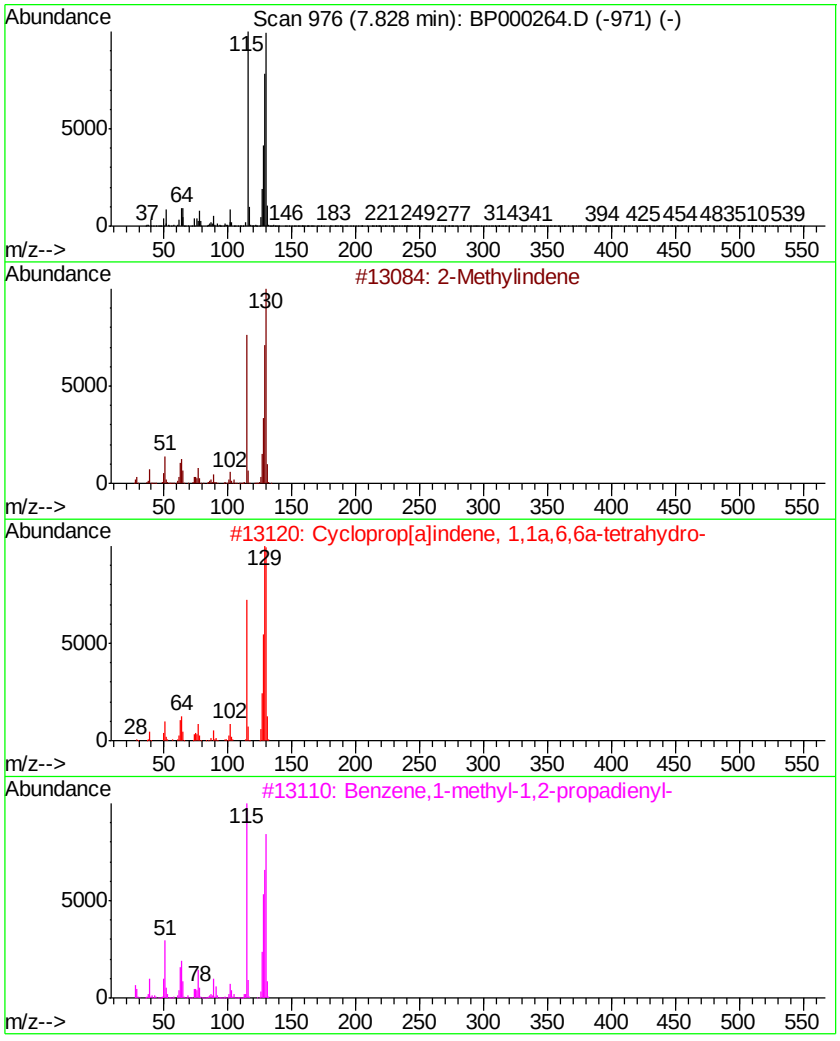
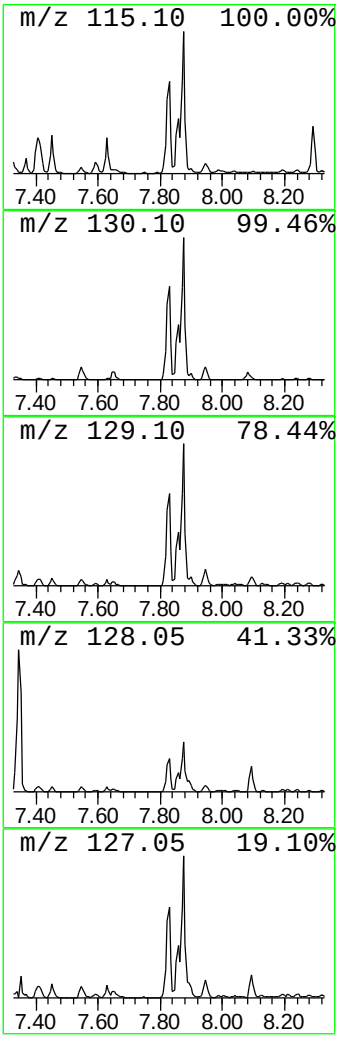
Peak Number 10 2-Methylindene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	16.81 ng	2071450	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	92
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91





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Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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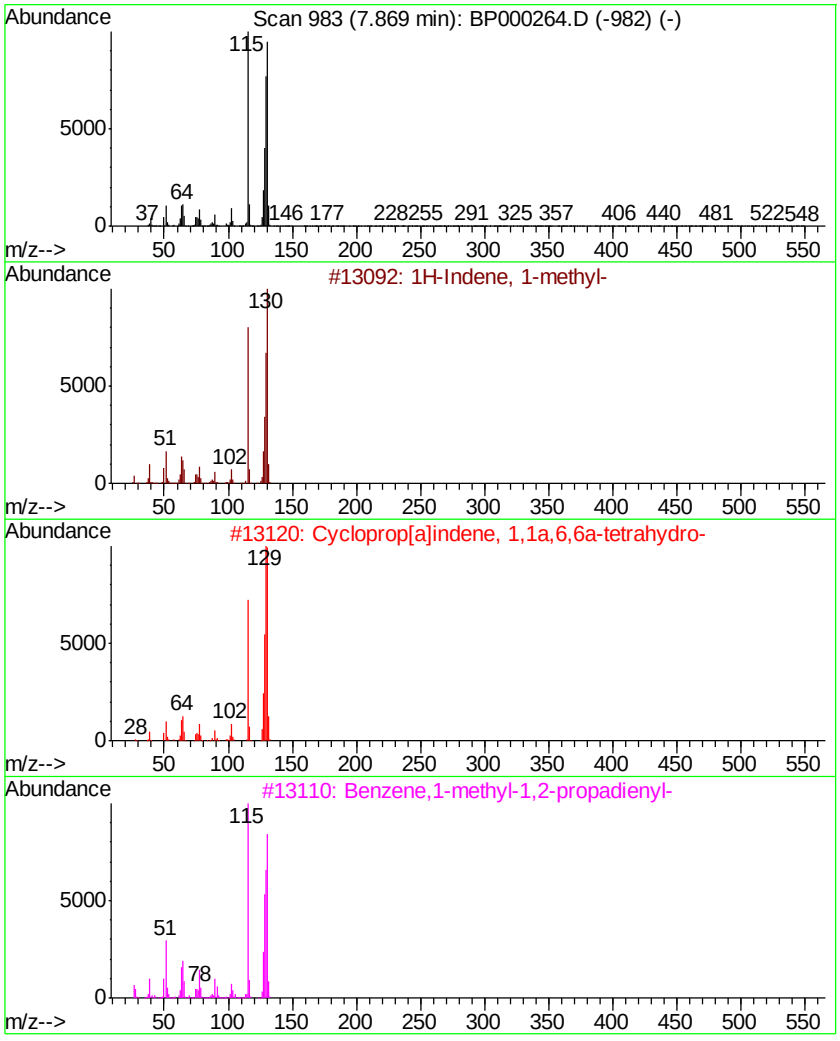
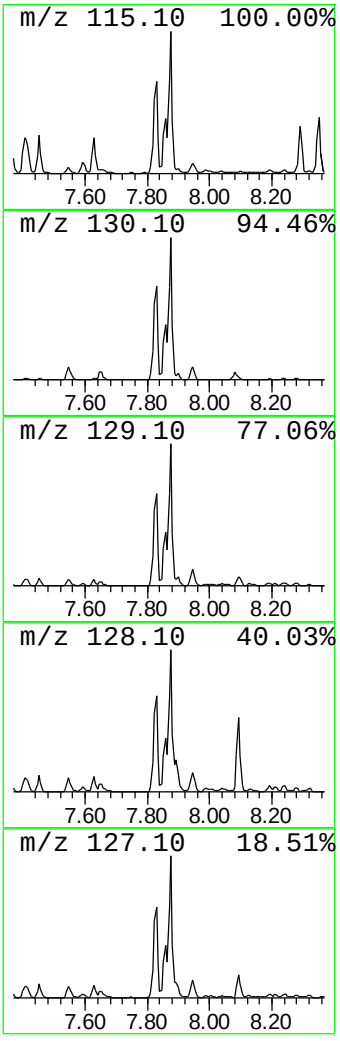
Peak Number 11 1H-Indene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	17.46 ng	2151800	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5	2-Methylindene	130	C10H10	002177-47-1	87





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Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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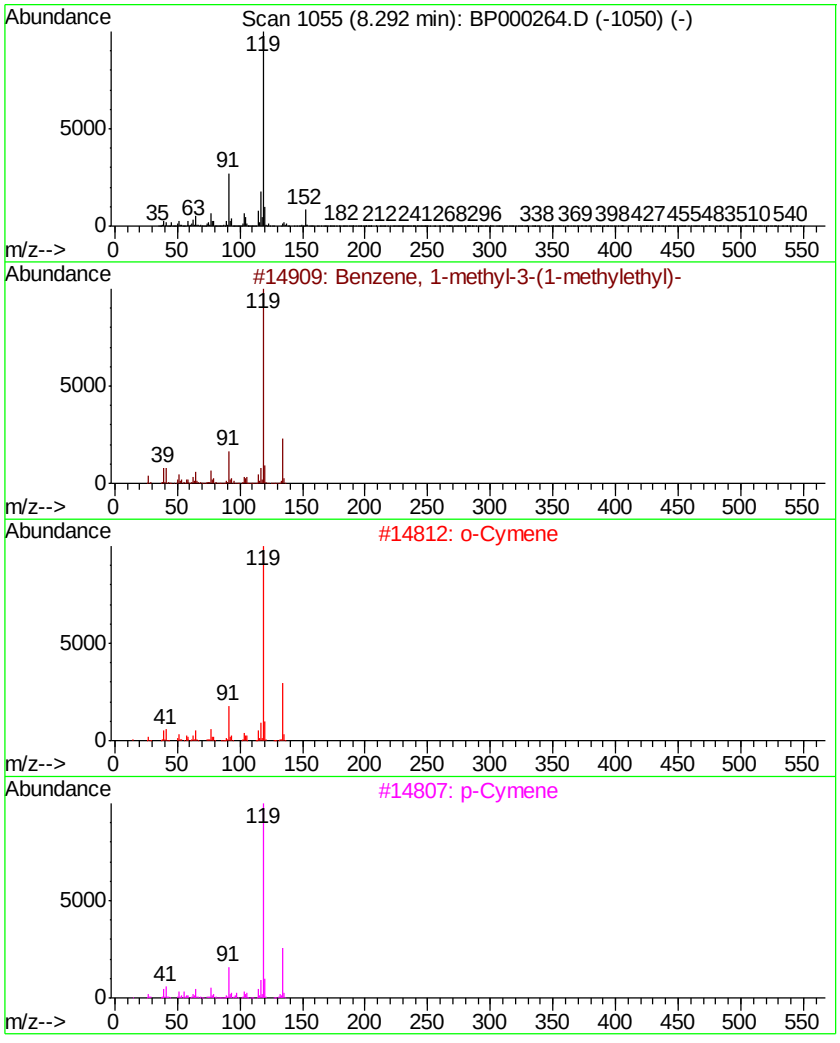
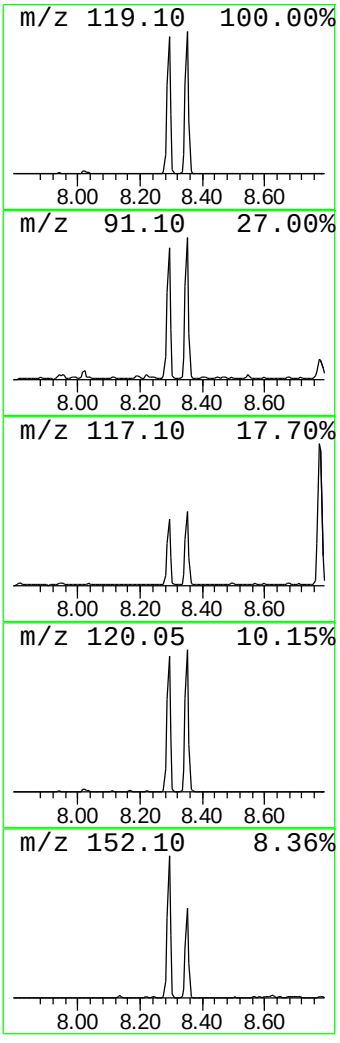
Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	48.22 ng	5943510	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	p-Cymene	134	C10H14	000099-87-6	86
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80





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Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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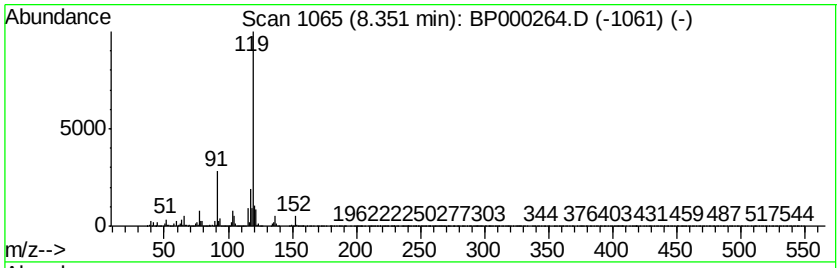
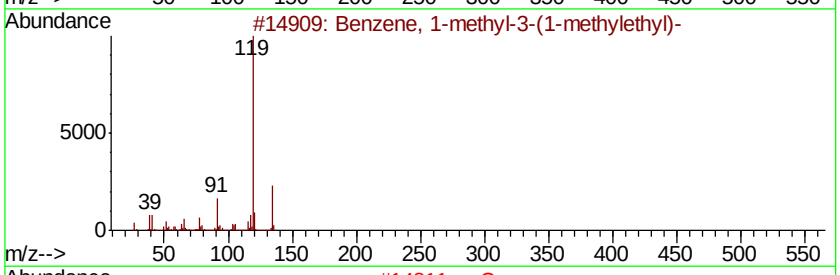
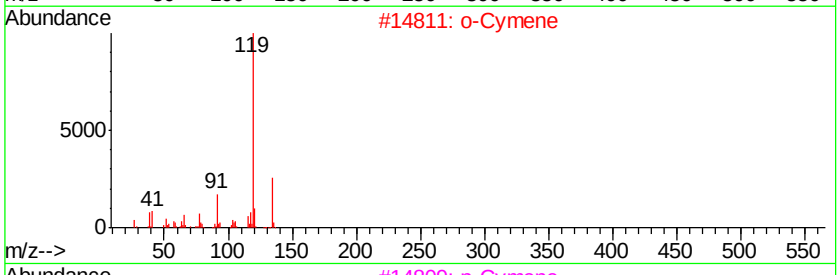
Peak Number 13 o-Cymene Concentration Rank 5

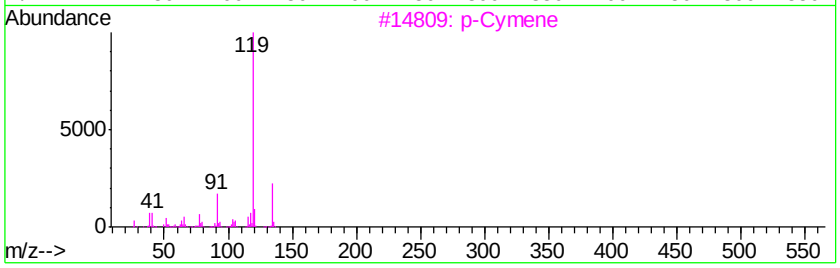
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	53.18 ng	6555260	Naphthalene-d8	8.07

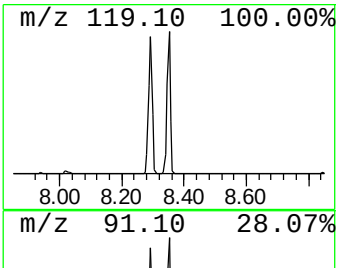
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
2	o-Cymene	134	C10H14	000527-84-4	76
3	p-Cymene	134	C10H14	000099-87-6	68
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59

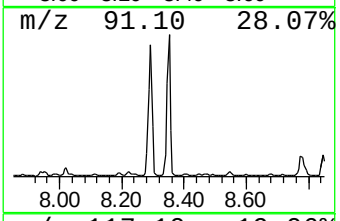


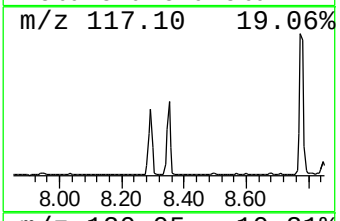


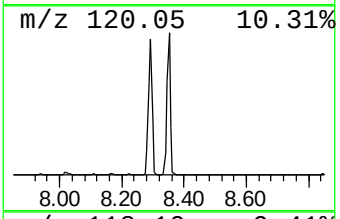


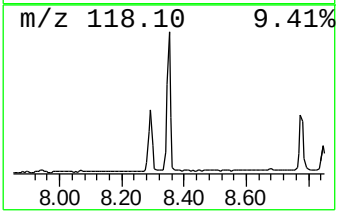












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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

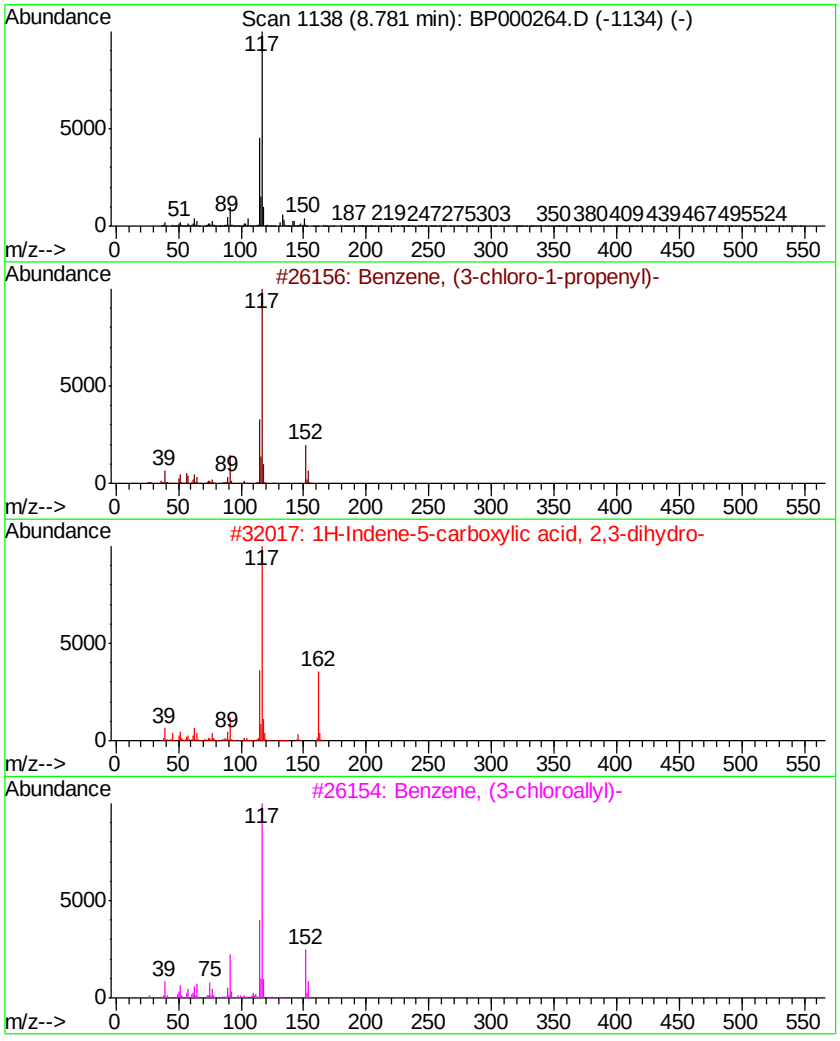
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

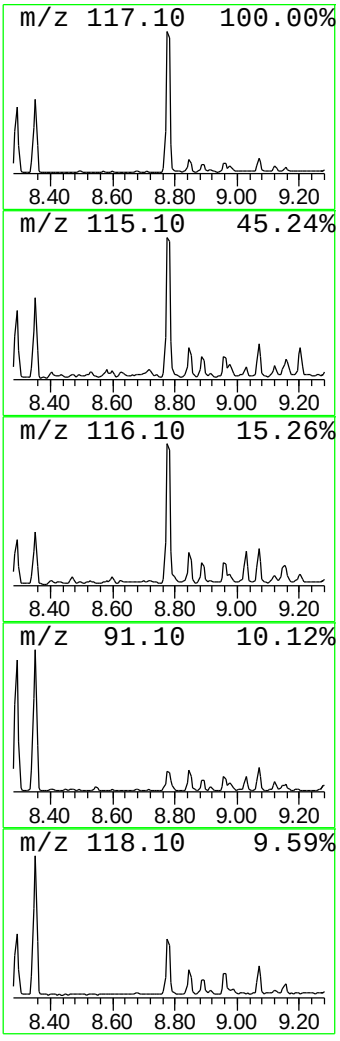
****

Peak Number 14 Benzene, (3-chloro-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	23.54 ng	2901540	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	64
2	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	59
3	Benzene, (3-chloroallyl)-	152	C9H9Cl	006268-37-7	56
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	56
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	53





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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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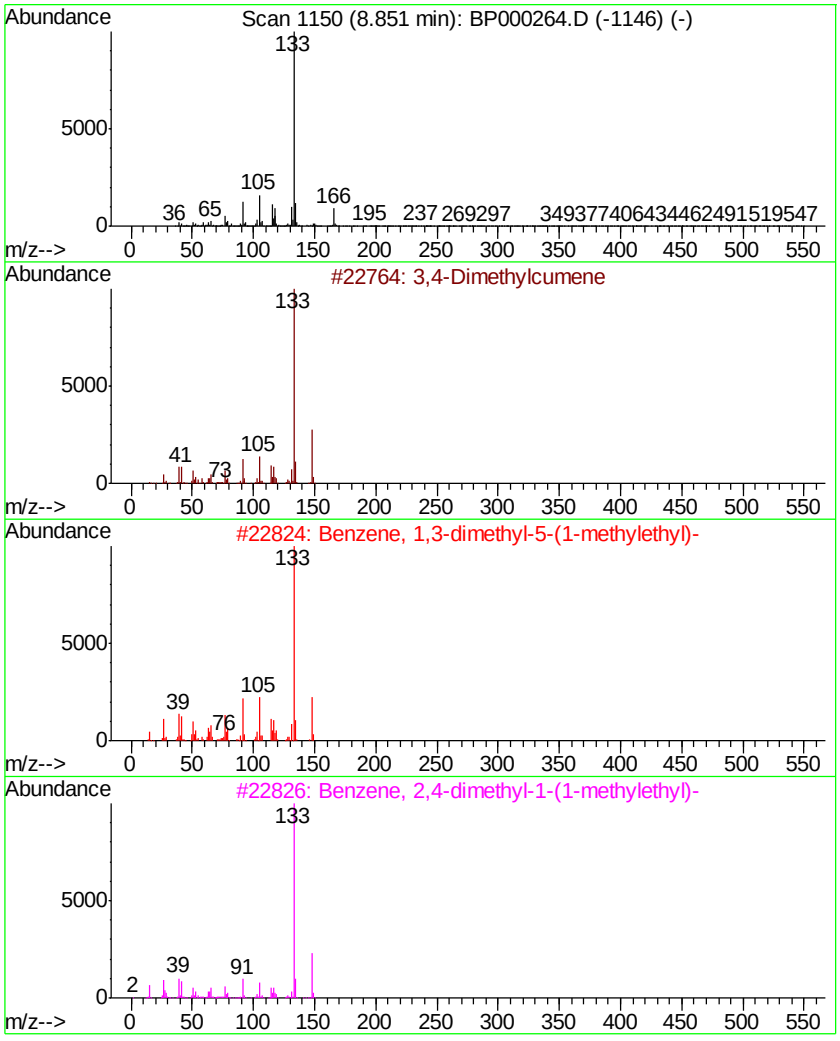
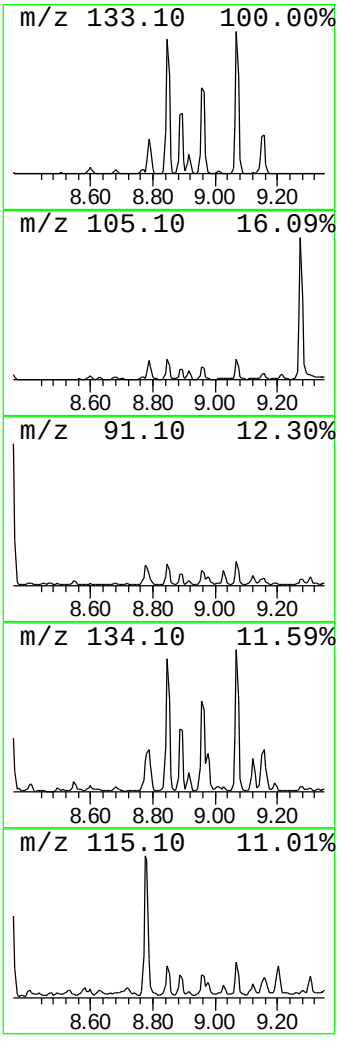
Peak Number 15 3,4-Dimethylcumene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	14.55 ng	1793130	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	83
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	78
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	72
4	3-Chloro-N-isochroman-1-ylmethyl...	253	C13H16ClNO2	1000297-29-7	64
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64





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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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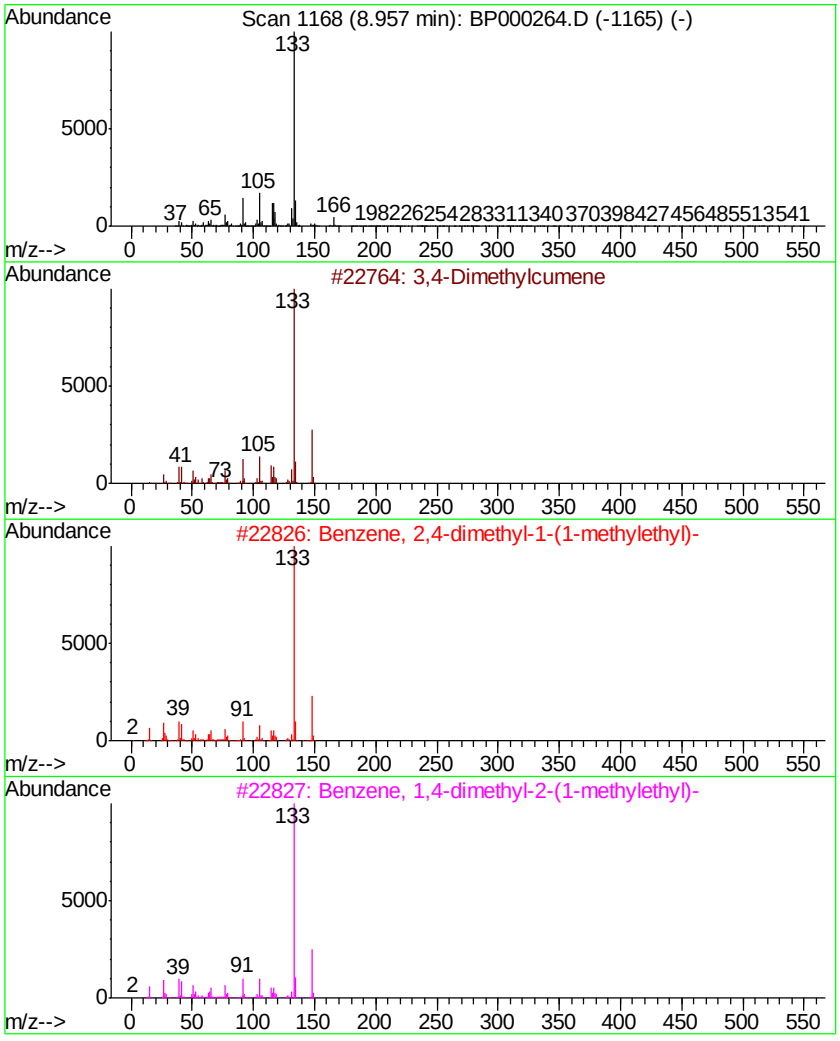
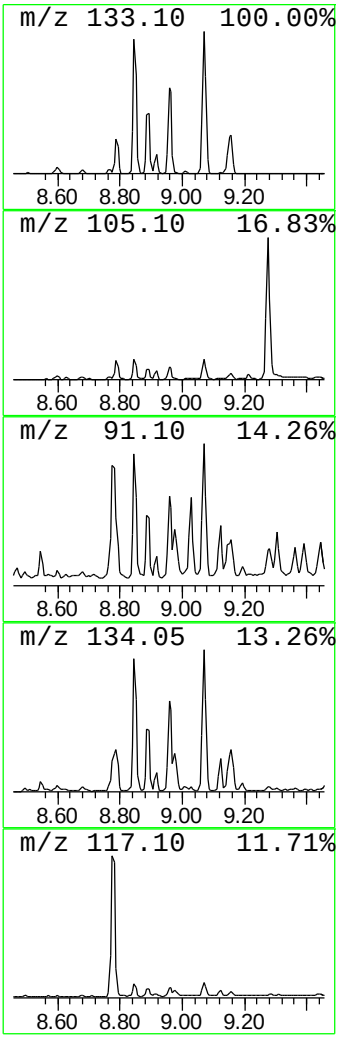
Peak Number 16 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	9.56 ng	1317140	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	78
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	72
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	72
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
5	3-Chloro-N-isochroman-1-ylmethyl...	253	C13H16ClNO2	1000297-29-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000264.D
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Operator : HP/JU
Sample : K4889-01
Misc :
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Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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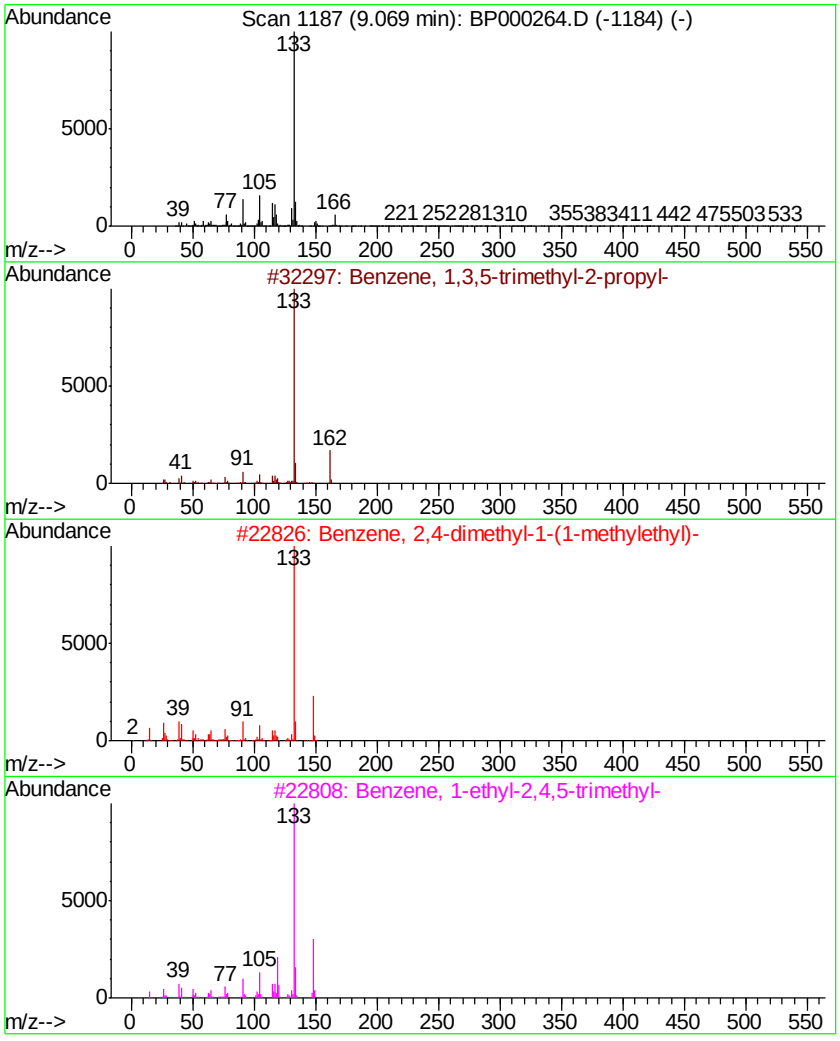
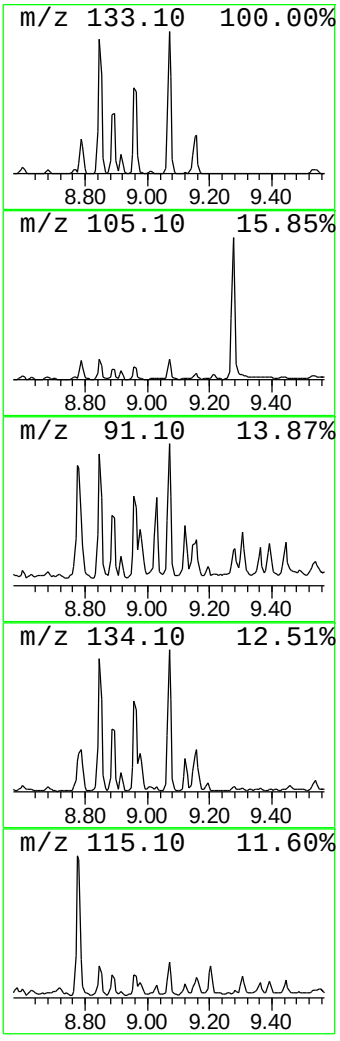
Peak Number 17 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	14.11 ng	1944050	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	78
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	72
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	72
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





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Operator : HP/JU
Sample : K4889-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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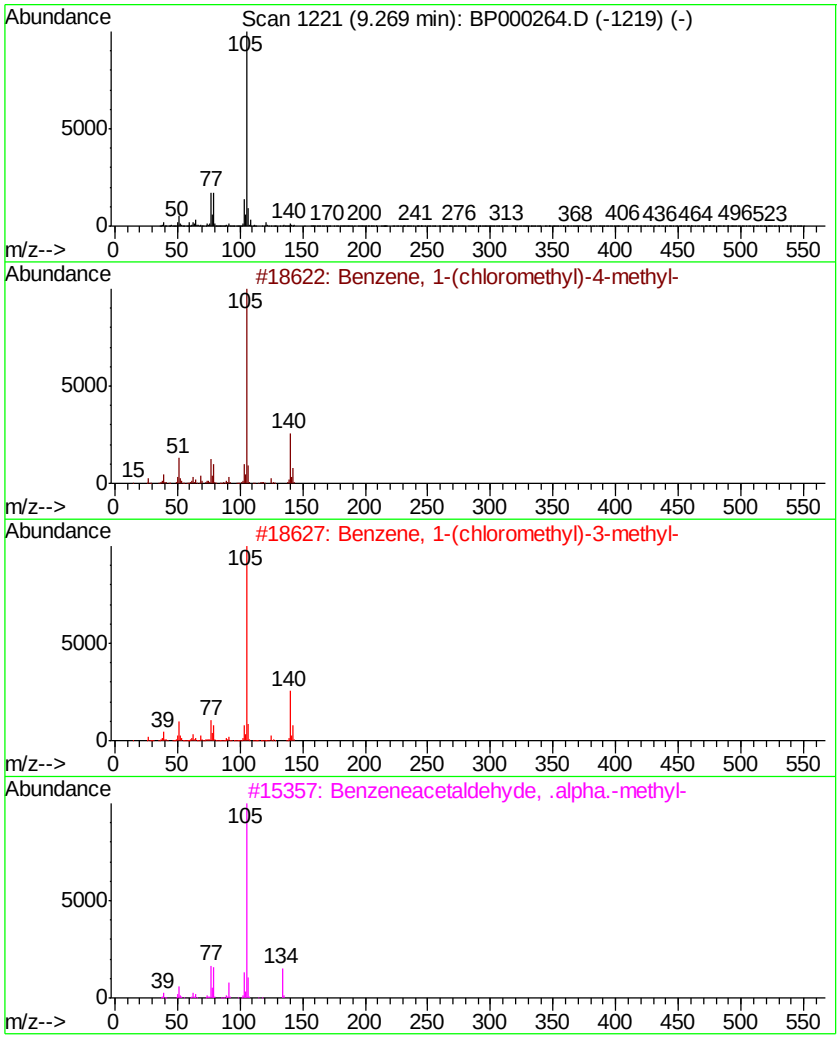
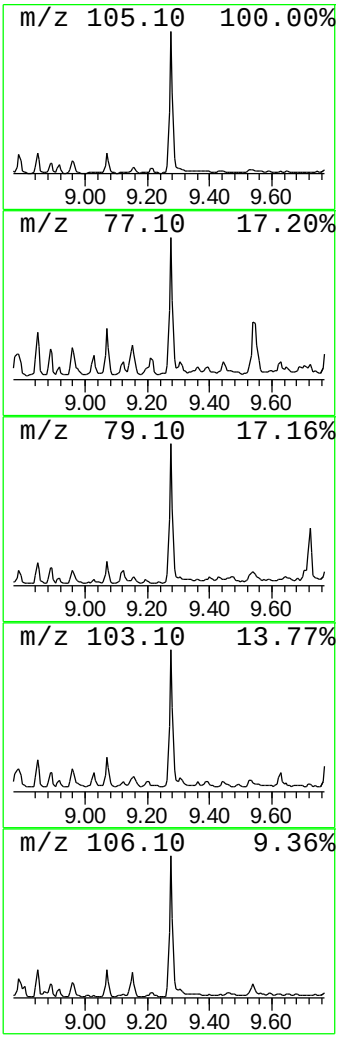
Peak Number 18 Benzene, 1-(chloromethyl)-4... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	13.46 ng	1853680	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(chloromethyl)-4-methyl-	140	C8H9Cl	000104-82-5	72
2	Benzene, 1-(chloromethyl)-3-methyl-	140	C8H9Cl	000620-19-9	72
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
4	Benzene, (1-chloroethyl)-	140	C8H9Cl	000672-65-1	72
5	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	72





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Sample : K4889-01
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DRUM-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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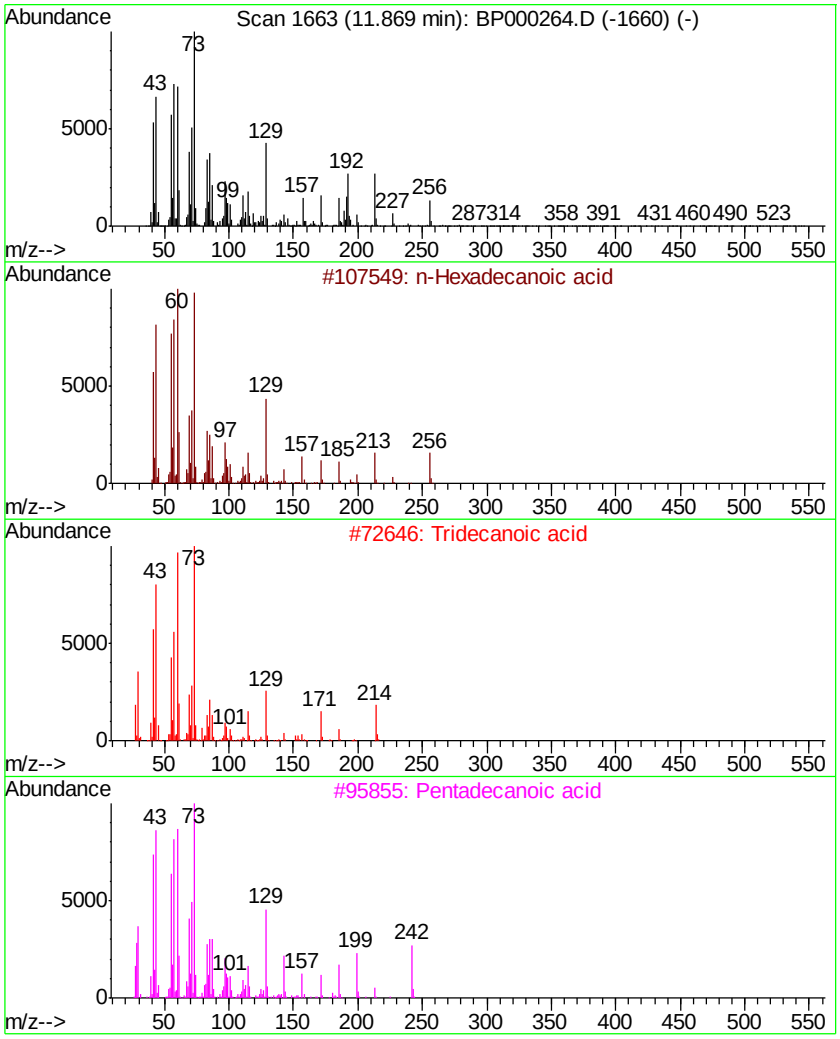
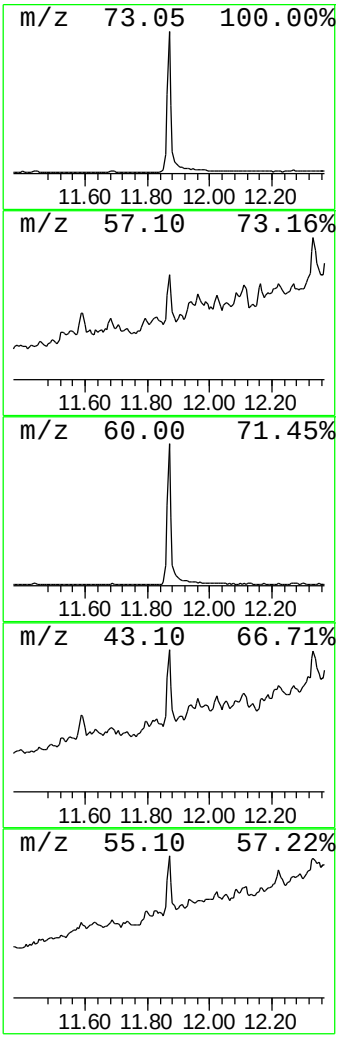
Peak Number 19 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	10.19 ng	1277450	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Octadecanoic acid	284	C18H36O2	000057-11-4	58
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	25





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Sample : K4889-01
Misc :
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Instrument : BNA_P
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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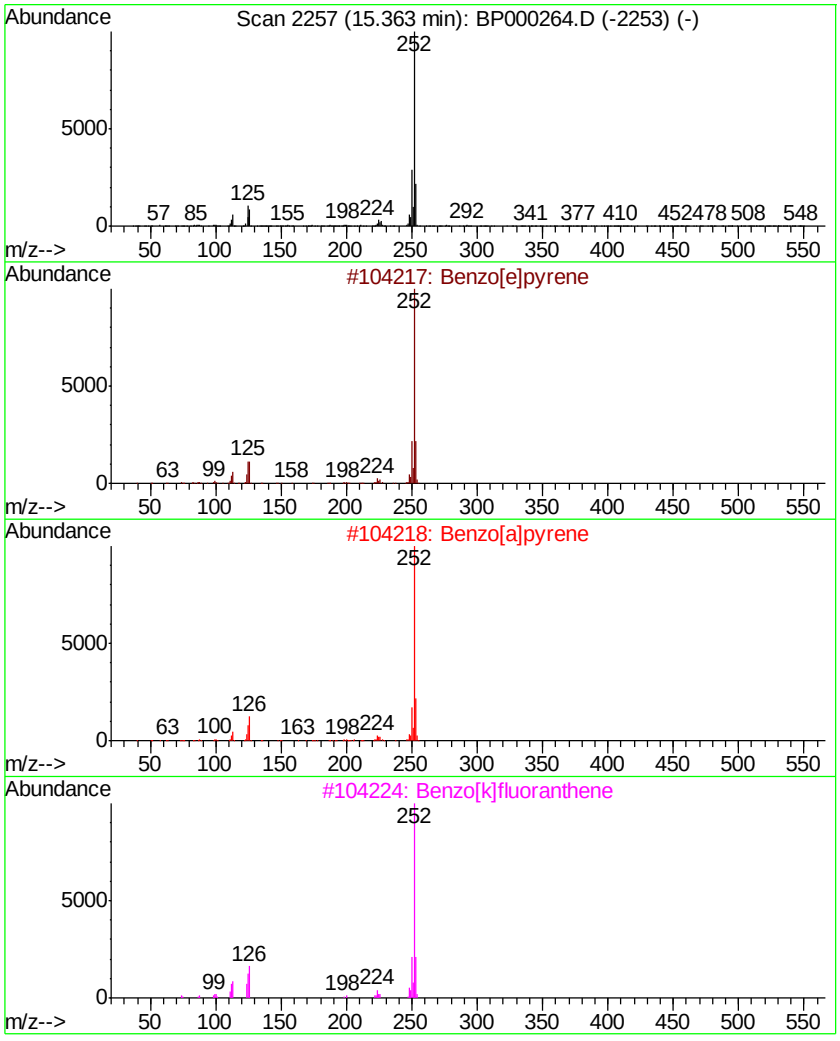
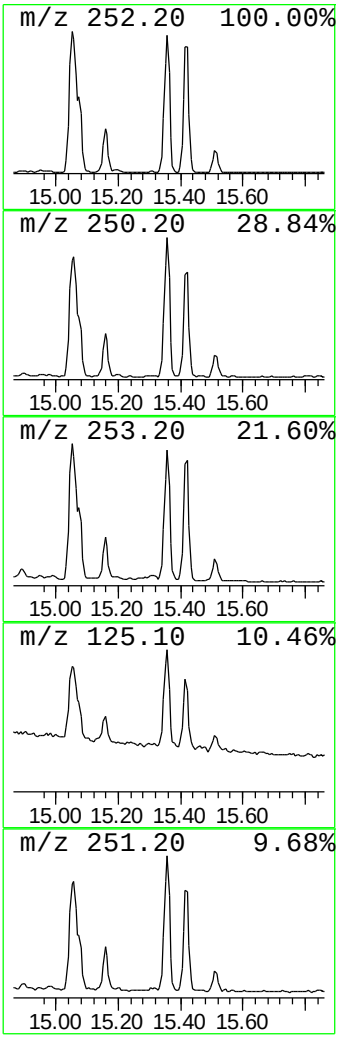
Peak Number 20 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	12.99 ng	1243060	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

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Data File : BP000264.D
Acq On : 17 Sep 2019 11:47
Operator : HP/JU
Sample : K4889-01
Misc :
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Instrument : BNA_P
ClientSampleId : DRUM-COMP

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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
Styrene	5.63	37.0	ng	3484650	1	6.79	1882220	20.0
unknown6.59	6.56	64.7	ng	6084010	1	6.79	1882220	20.0
Benzene, 1-etheny...	6.63	58.1	ng	5467050	1	6.79	1882220	20.0
Benzene, 1-etheny...	6.67	24.6	ng	2315840	1	6.79	1882220	20.0
Indene	7.05	37.1	ng	3490670	1	6.79	1882220	20.0
Benzene, 4-etheny...	7.40	23.5	ng	2211120	1	6.79	1882220	20.0
2,4-Dimethylstyrene	7.45	10.9	ng	1350020	2	8.07	2465250	20.0
3,4-Dimethylthiop...	7.65	62.3	ng	7680850	2	8.07	2465250	20.0
2-Methylindene	7.83	16.8	ng	2071450	2	8.07	2465250	20.0
1H-Indene, 1-methyl-	7.87	17.5	ng	2151800	2	8.07	2465250	20.0
Benzene, 1-methyl...	8.29	48.2	ng	5943510	2	8.07	2465250	20.0
o-Cymene	8.35	53.2	ng	6555260	2	8.07	2465250	20.0
Benzene, (3-chlor...	8.78	23.5	ng	2901540	2	8.07	2465250	20.0
3,4-Dimethylcumene	8.85	14.6	ng	1793130	2	8.07	2465250	20.0
Benzene, 2,4-dime...	8.96	9.6	ng	1317140	3	9.83	2754990	20.0
Benzene, 1,3,5-tr...	9.07	14.1	ng	1944050	3	9.83	2754990	20.0
Benzene, 1-(chlor...	9.27	13.5	ng	1853680	3	9.83	2754990	20.0
n-Hexadecanoic acid	11.87	10.2	ng	1277450	4	11.33	2506920	20.0
Benzo[e]pyrene	15.36	13.0	ng	1243060	6	15.48	1913720	20.0