LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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-BP100119.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	5.175	521	525	528	rBV	228946	227765	2.31%	0.105%
2	5.363	551	557	558	rBV2	467654	691431	7.01%	0.318%
3	5.387	558	561	570	rVB	1924524	2090506	21.20%	0.962%
4	5.540	583	587	592	rBV3	247711	329842	3.34%	0.152%
5	5.581	592	594	597	rVV	257430	218099	2.21%	0.100%
6	5.622	597	601	603	rVV2	180116	281411	2.85%	0.129%
7	5.793	624	630	634	rVB2	441274	665630	6.75%	0.306%
8	5.846	634	639	641	rBV4	196746	312801	3.17%	0.144%
9	5.928	647	653	657	rVB2	664685	807094	8.18%	0.371%
10	5.975	657	661	663	rBV3	268825	340434	3.45%	0.157%
11	6.022	666	669	671	rBV	1389937	1235007	12.52%	0.568%
12	6.081	676	679	681	rBV	711682	633290	6.42%	0.291%
13	6.110	681	684	687	rBV2	190430	233649	2.37%	0.108%
14	6.210	695	701	704	rBV2	805990	1014435	10.29%	0.467%
15	6.275	710	712	714	rBV	518484	364313	3.69%	0.168%
16	6.304	714	717	719	rBV3	1349435	1466527	14.87%	0.675%
17	6.369	726	728	730	rBV2	268083	299750	3.04%	0.138%
18	6.404	730	734	739	rVV	2420830	2666641	27.04%	1.227%
19	6.446	739	741	744	rVB3	835033	655225	6.64%	0.301%
20	6.475	744	746	748	rVB	411523	316893	3.21%	0.146%
21	6.540	748	757	765	rBV3	2799176	5406959	54.83%	2.488%
22	6.593	765	766	768	rBV	266860	257233	2.61%	0.118%
23	6.628	768	772	775	rVB3	937654	1270287	12.88%	0.584%
24	6.663	775	778	779	rBV	281483	257350	2.61%	0.118%
25	6.722	782	788	789	rBV5	728544	1121895	11.38%	0.516%
26	6.740	789	791	793	rVB2	688731	505887	5.13%	0.233%
27	6.763	793	795	798	rBV	1998292	1921855	19.49%	0.884%
28	6.793	798	800	804	rVB	2650626	2135996	21.66%	0.983%
29	6.834	804	807	810	rBV4	1548483	1806749	18.32%	0.831%
30	6.869	810	813	815	rBV2	1223068	1490947	15.12%	0.686%
31	6.893	815	817	819	rVB2	740162	532853	5.40%	0.245%
32	6.922	819	822	826	rBV	4048751	3836720	38.91%	1.765%
33	6.957	826	828	831	rVB2	1514456	1338176	13.57%	0.616%
34	6.987	831	833	834	rBV	557228	534898	5.42%	0.246%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.010	834	837	838	rBV2	1044425	1066460	10.81%	0.491%
36	7.045	841	843	848	rVB4	2887104	3030527	30.73%	1.394%
37	7.087	848	850	853	rVB3	1063771	950417	9.64%	0.437%
38	7.128	853	857	859	rBV4	1104350	1615473	16.38%	0.743%
39	7.169	859	864	866	rBV2	3017286	2975839	30.18%	1.369%
40	7.198	866	869	874	rVB4	2096212	2774264	28.13%	1.276%
41	7.251	876	878	881	rBV2	660176	598632	6.07%	0.275%
42	7.304	881	887	894	rBV6	4758299	9861189	100.00%	4.537%
43	7.357	894	896	897	rBV2	704646	426267	4.32%	0.196%
44	7.422	902	907	910	rVB4	3756895	5502811	55.80%	2.532%
45	7.475	910	916	917	rBV5	1767424	2810391	28.50%	1.293%
46	7.528	923	925	927	rBV2	1089106	1229976	12.47%	0.566%
47	7.587	932	935	938	rVB3	4342992	4254093	43.14%	1.957%
48	7.616	938	940	943	rBV3	1150713	1088136	11.03%	0.501%
49	7.663	943	948	950	rBV5	2556945	3957733	40.13%	1.821%
50	7.704	952	955	959	rVB3	5168025	5456500	55.33%	2.511%
51	7.745	960	962	964	rVB3	2063093	1616761	16.40%	0.744%
52	7.798	964	971	973	rBV4	3009237	4119000	41.77%	1.895%
53	7.828	973	976	978	rVB3	2776421	2565166	26.01%	1.180%
54	7.887	981	986	990	rBV4	2421945	3685333	37.37%	1.696%
55	7.934	990	994	995	rBV	2936142	2796719	28.36%	1.287%
56	7.951	995	997	998	rBV2	919938	611023	6.20%	0.281%
57	7.969	998	1000	1004	rVB4	2148344	1756597	17.81%	0.808%
58	8.004	1004	1006	1007	rBV	1750969	1328160	13.47%	0.611%
59	8.022	1007	1009	1011	rBV	1692920	1290660	13.09%	0.594%
60	8.051	1011	1014	1016	rBV3	4172521	4458123	45.21%	2.051%
61	8.081	1016	1019	1022	rVV4	1517898	1582282	16.05%	0.728%
62	8.110	1022	1024	1026	rVB2	3109535	2328213	23.61%	1.071%
63	8.134	1026	1028	1030	rBV	2108686	1629073	16.52%	0.750%
64	8.151	1030	1031	1035	rVB3	1950247	1643046	16.66%	0.756%
65	8.187	1035	1037	1039	rVB3	1862648	1392283	14.12%	0.641%
66	8.222	1040	1043	1044	rBV2	1213828	1281233	12.99%	0.590%
67	8.240	1044	1046	1047	rBV	1475979	1260972	12.79%	0.580%
68	8.257	1047	1049	1054	rVB2	3260110	4401428	44.63%	2.025%
69	8.304	1055	1057	1059	rBV2	1910265	1755300	17.80%	0.808%
70	8.340	1061	1063	1064	rBV	1712399	1164317	11.81%	0.536%
71	8.392	1069	1072	1074	rBV	2172941	2068535	20.98%	0.952%

LSC Area Percent Report

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Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.416	1074	1076	1079	rBV3	1595298	1697695	17.22%	0.781%
73	8.451	1079	1082	1085	rBV2	3384936	3199742	32.45%	1.472%
74	8.498	1087	1090	1091	rBV	3471998	2812818	28.52%	1.294%
75	8.534	1094	1096	1099	rVB3	3443291	2848066	28.88%	1.310%
76	8.575	1099	1103	1105	rBV2	4855374	5350331	54.26%	2.462%
77	8.657	1114	1117	1120	rBV3	1656379	2532063	25.68%	1.165%
78	8.728	1127	1129	1131	rVB2	2973423	2274792	23.07%	1.047%
79	8.816	1141	1144	1147	rBV3	2651407	3324996	33.72%	1.530%
80	8.881	1152	1155	1156	rVV	2679840	3098342	31.42%	1.426%
81	8.898	1156	1158	1162	rVB3	4077247	3847628	39.02%	1.770%
82	9.010	1175	1177	1180	rBV2	2135058	2579721	26.16%	1.187%
83	9.104	1191	1193	1196	rVB3	3411261	3334488	33.81%	1.534%
84	9.139	1197	1199	1202	rBV3	1783013	1308059	13.26%	0.602%
85	9.228	1211	1214	1219	rBV4	2766984	4022730	40.79%	1.851%
86	9.328	1229	1231	1232	rBV	1353840	981811	9.96%	0.452%
87	9.410	1242	1245	1251	rVB3	3309935	5620649	57.00%	2.586%
88	9.492	1257	1259	1261	rVB2	2616894	2268233	23.00%	1.044%
89	9.516	1261	1263	1266	rVB2	2877867	2526432	25.62%	1.162%
90	9.551	1266	1269	1271	rBV3	3140458	4112033	41.70%	1.892%
91	9.610	1277	1279	1284	rVB5	2927485	3751293	38.04%	1.726%
92	9.751	1301	1303	1305	rVB2	3286560	2561135	25.97%	1.178%
93	9.828	1312	1316	1319	rBV5	2389520	3607158	36.58%	1.660%
94	9.945	1333	1336	1340	rVB	3265834	4324137	43.85%	1.990%
95	10.086	1357	1360	1362	rBV	2540568	2040960	20.70%	0.939%
96	10.163	1369	1373	1375	rBV	3750794	5213530	52.87%	2.399%
97	10.381	1408	1410	1412	rBV2	1968577	1655387	16.79%	0.762%
98	10.504	1429	1431	1435	rVB3	2778478	2575370	26.12%	1.185%
99	10.763	1472	1475	1476	rBV	2603954	2745573	27.84%	1.263%
100	12.939	1843	1845	1848	rBV	1802990	1522182	15.44%	0.700%

Sum of corrected areas: 217338834

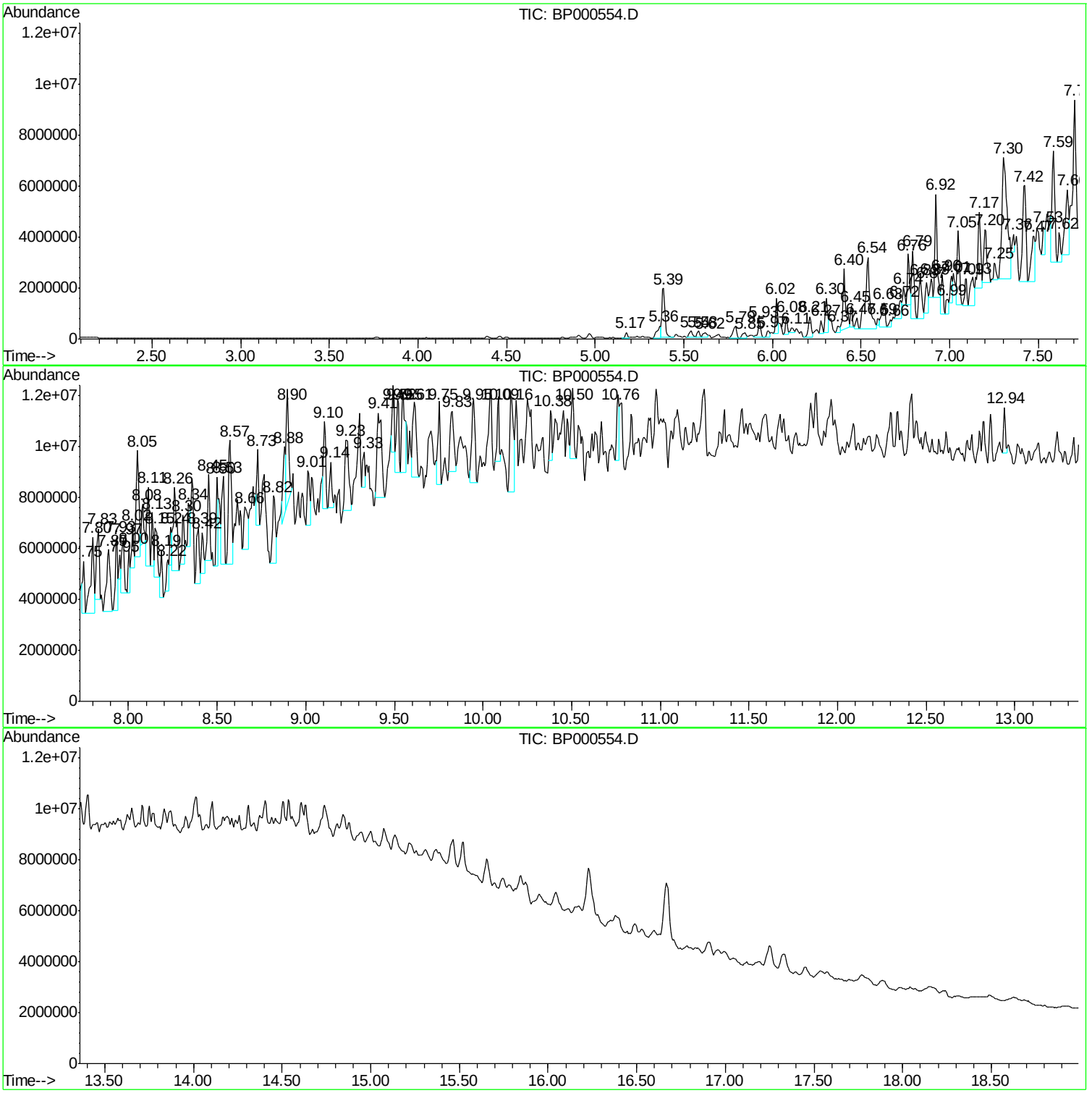
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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Data File : BP000554.D
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Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

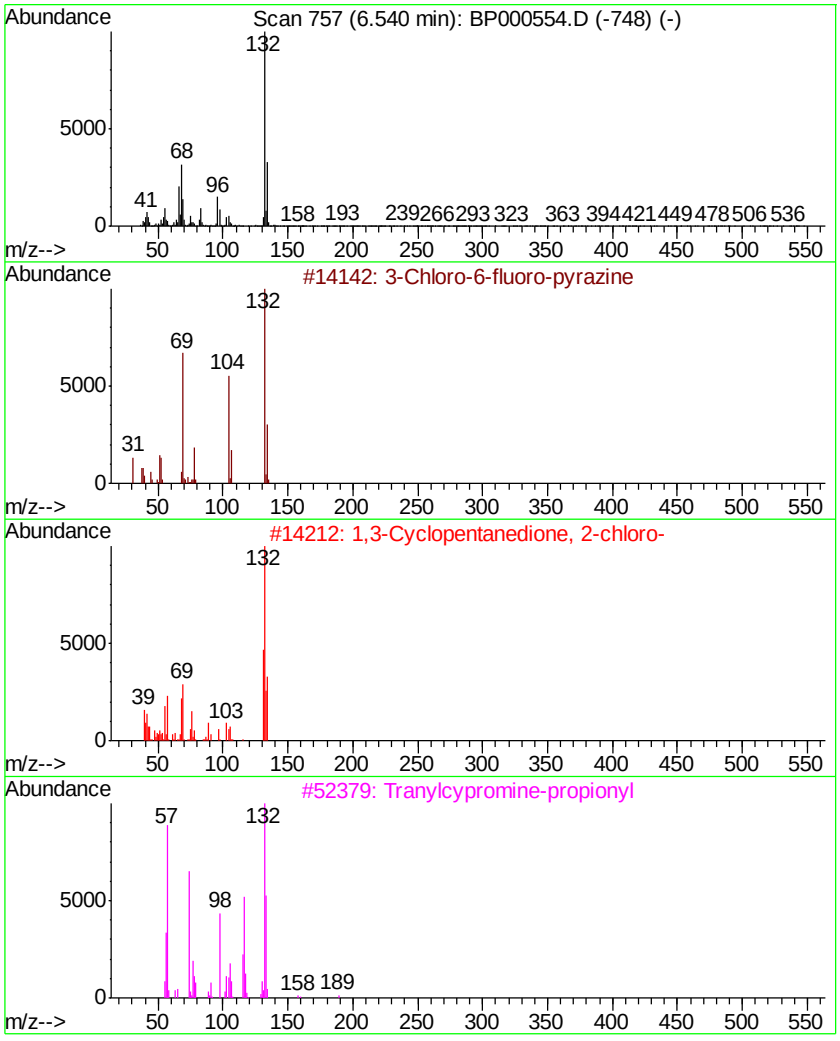
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

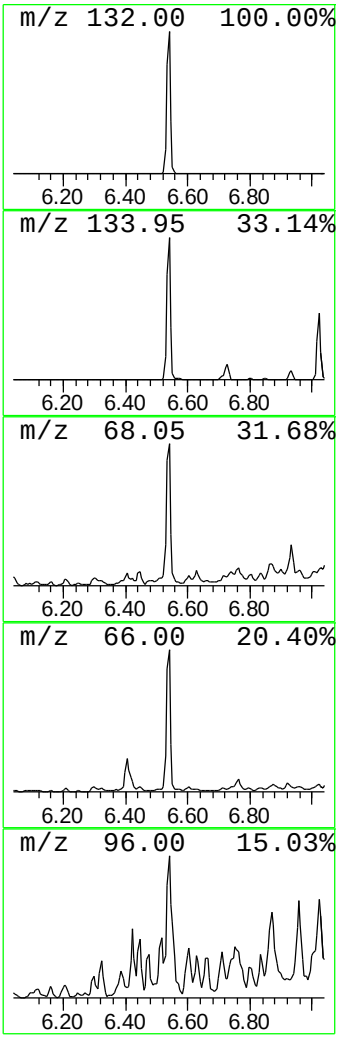
****

Peak Number 1 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	56.27 ng	5406960	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	16
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

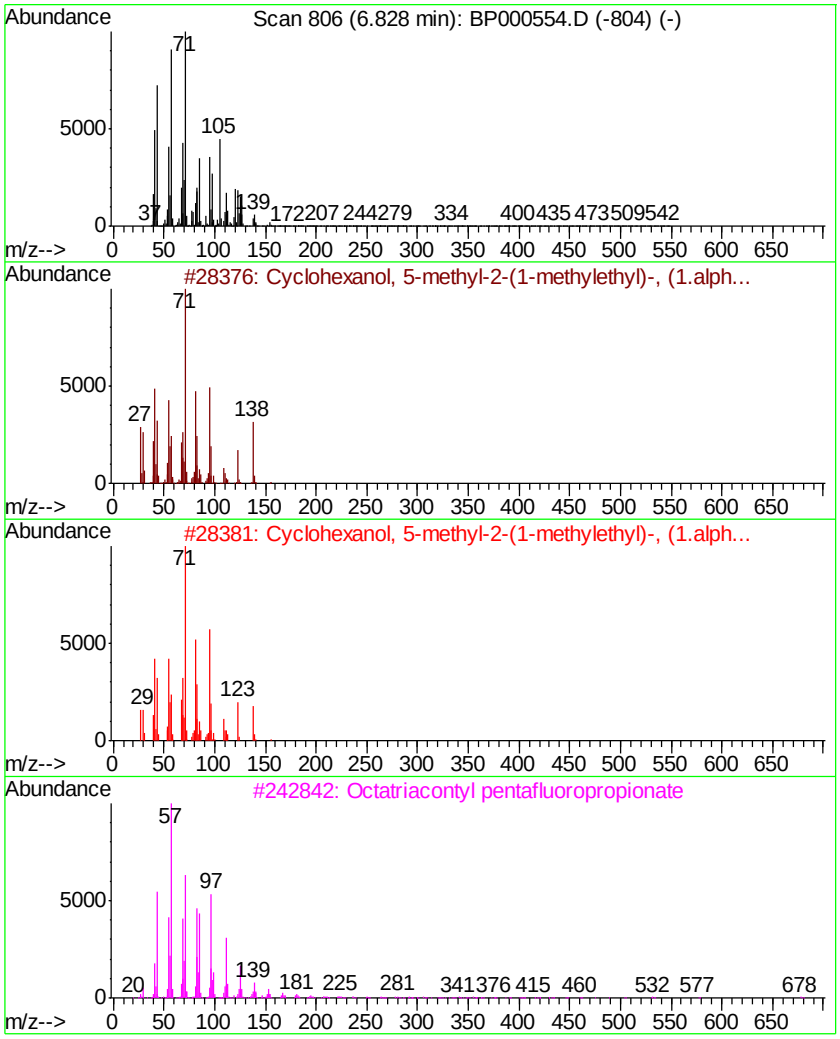
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

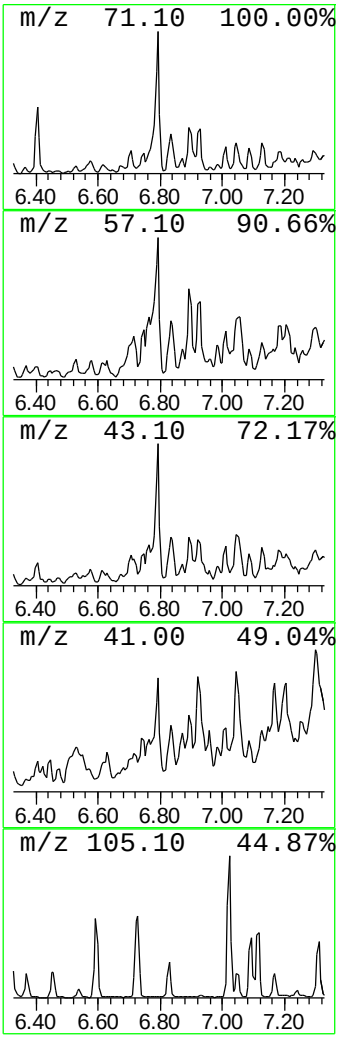
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	18.80 ng	1806750	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-01-0	50
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	45
3	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	43
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	41
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	38





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Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

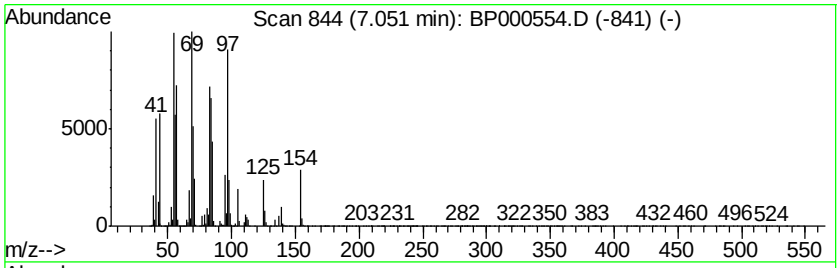
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

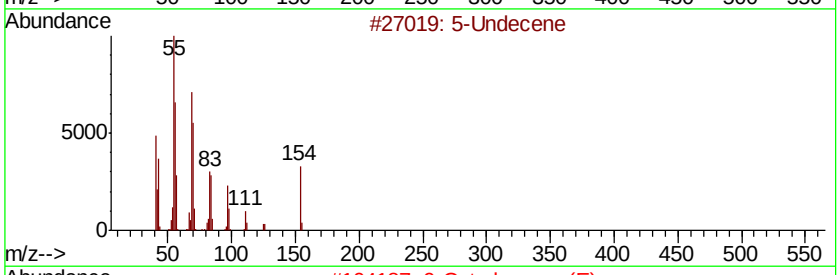
****

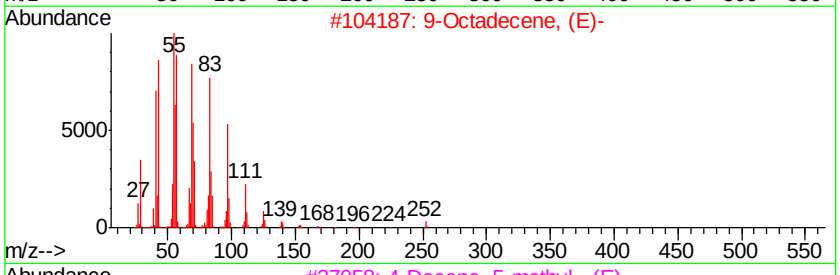
Peak Number 4 5-Undecene Concentration Rank 3

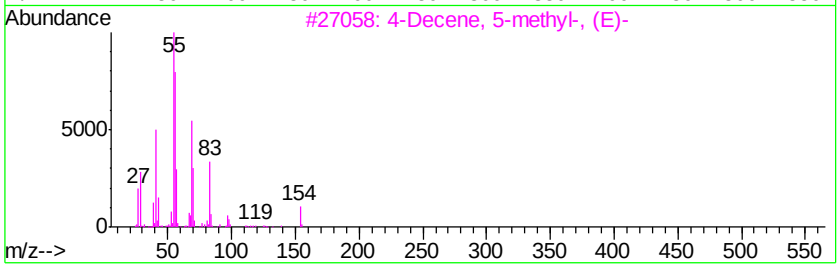
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	31.54 ng	3030530	1,4-Dichlorobenzene-d4	6.76

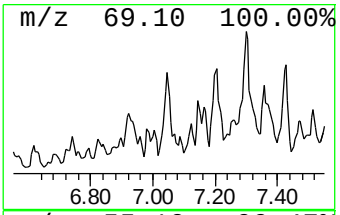
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene	154	C11H22	004941-53-1	74
2	9-Octadecene, (E)-	252	C18H36	007206-25-9	49
3	4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	46
4	Nonyl chloroformate	206	C10H19ClO2	057045-82-6	38
5	7-Oxabicyclo[4.1.0]heptan-2-one,...	154	C9H14O2	010276-21-8	38

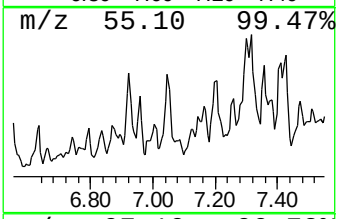


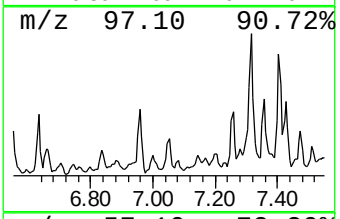


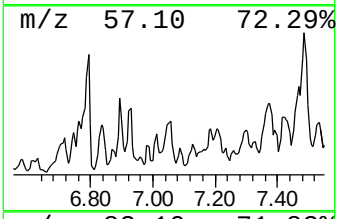


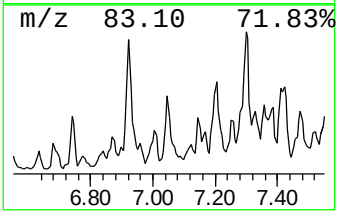












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Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

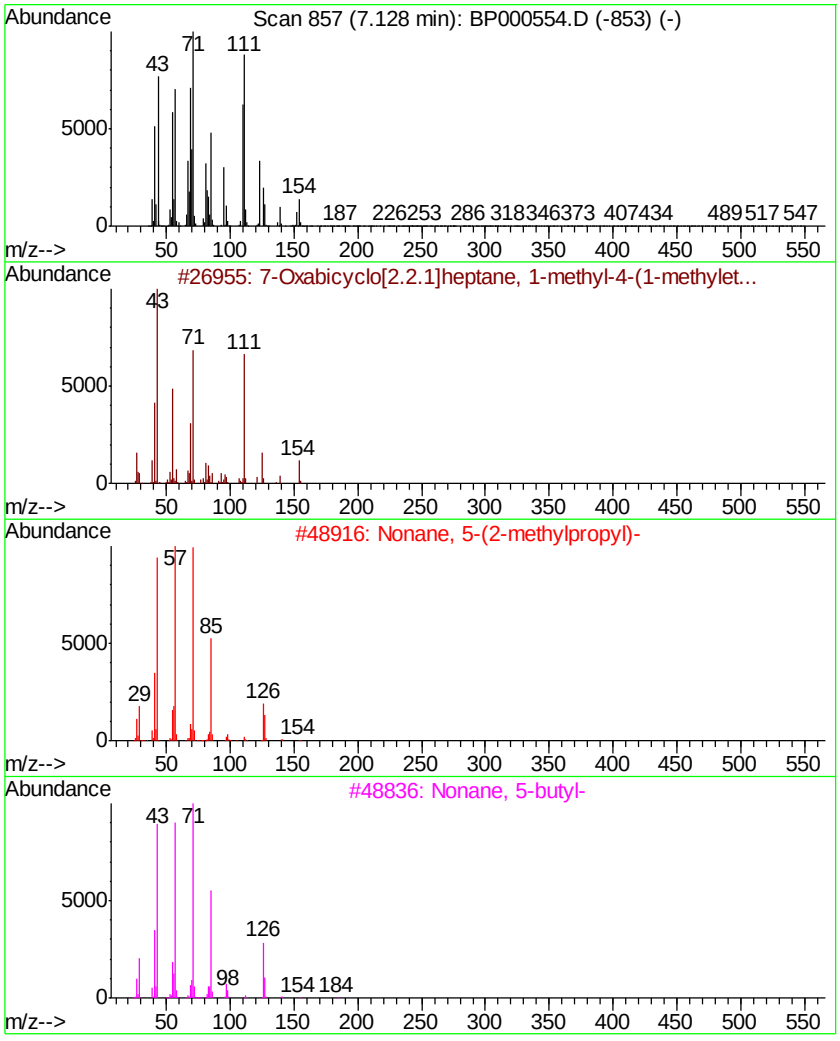
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

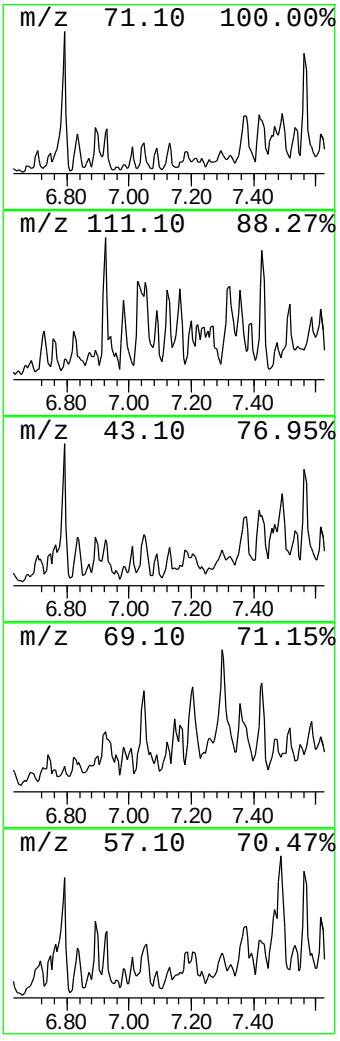
****

Peak Number 5 unknown7.13 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	16.81 ng	1615470	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	43
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	30
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	30
4	Sulfurous acid, 2-pentyl undecyl...	306	C16H34O3S	1000309-16-0	27
5	Isocytosine	111	C4H5N3O	000108-53-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

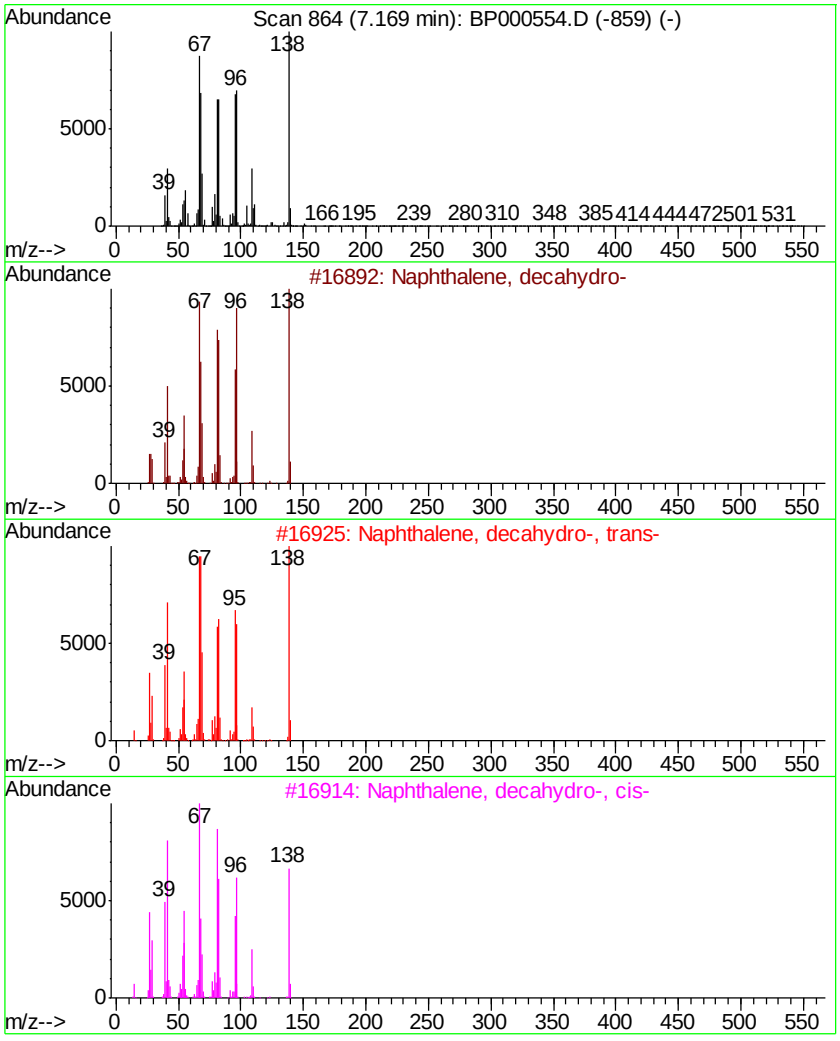
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

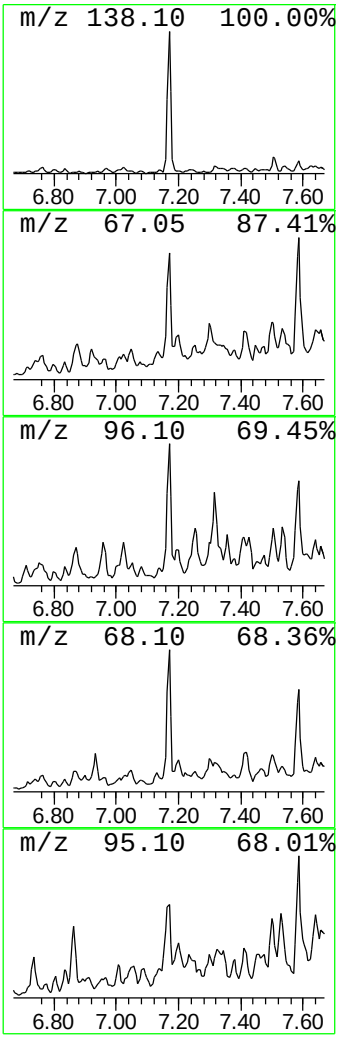
****

Peak Number 6 Naphthalene, decahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	30.97 ng	2975840	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	Cyclodecene	138	C10H18	003618-12-0	83





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Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

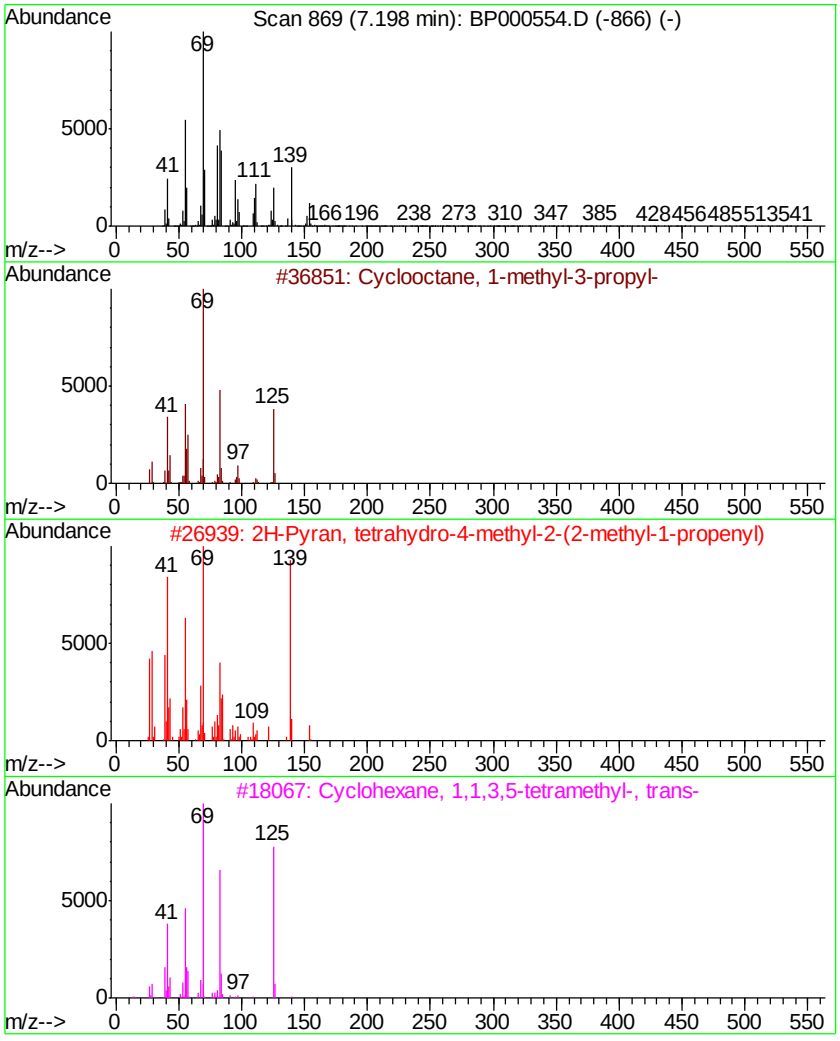
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

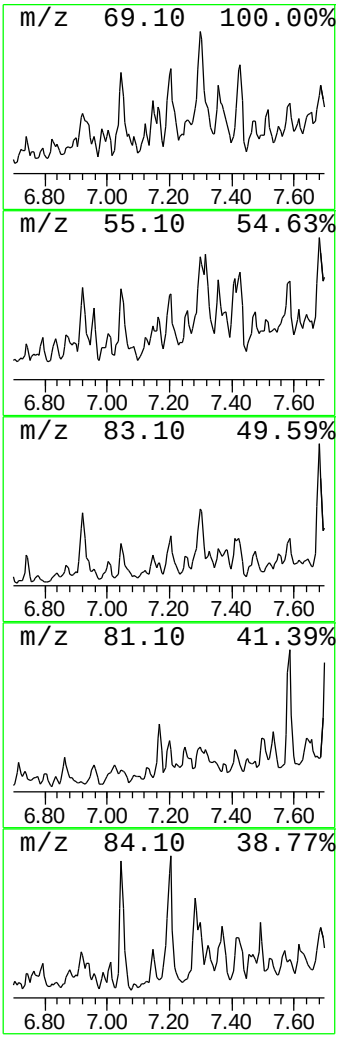
****

Peak Number 7 unknown7.20 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	28.87 ng	2774260	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	47
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	43





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Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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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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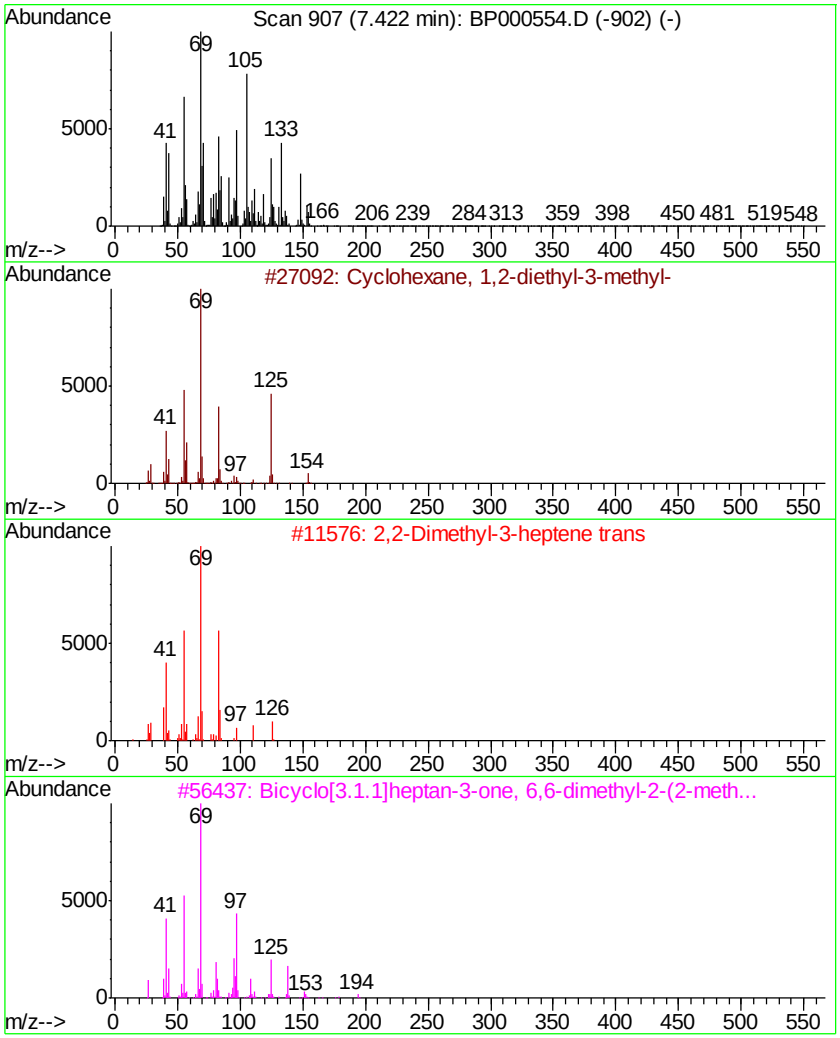
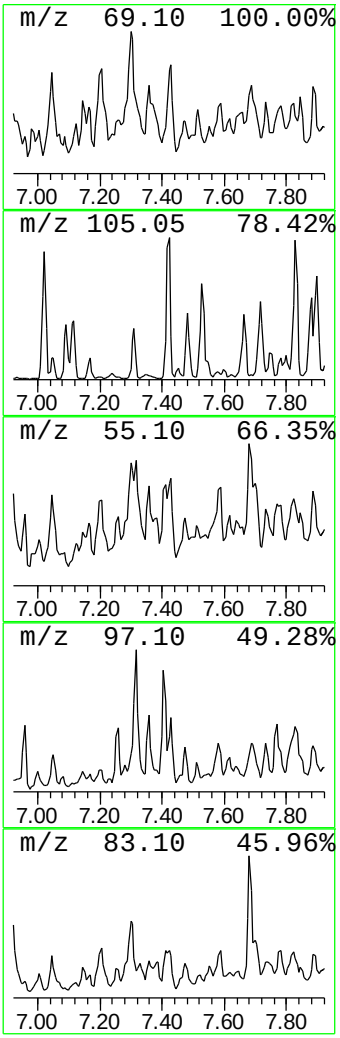
Peak Number 8 unknown7.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	24.69 ng	5502810	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	35
2	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	30
3	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	22
4	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	22
5	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	18





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Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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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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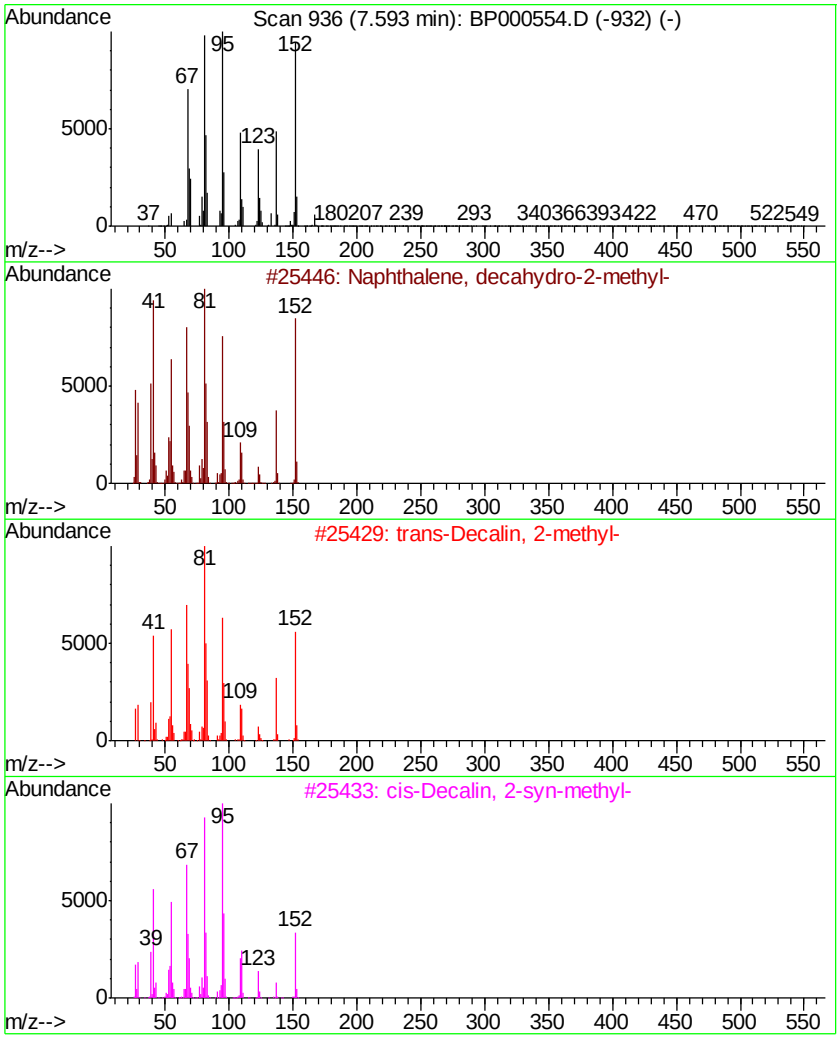
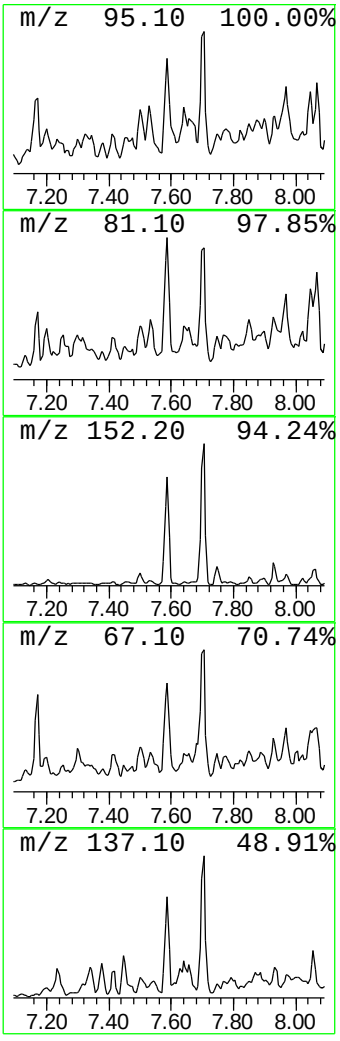
Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	19.08 ng	4254090	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	64





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Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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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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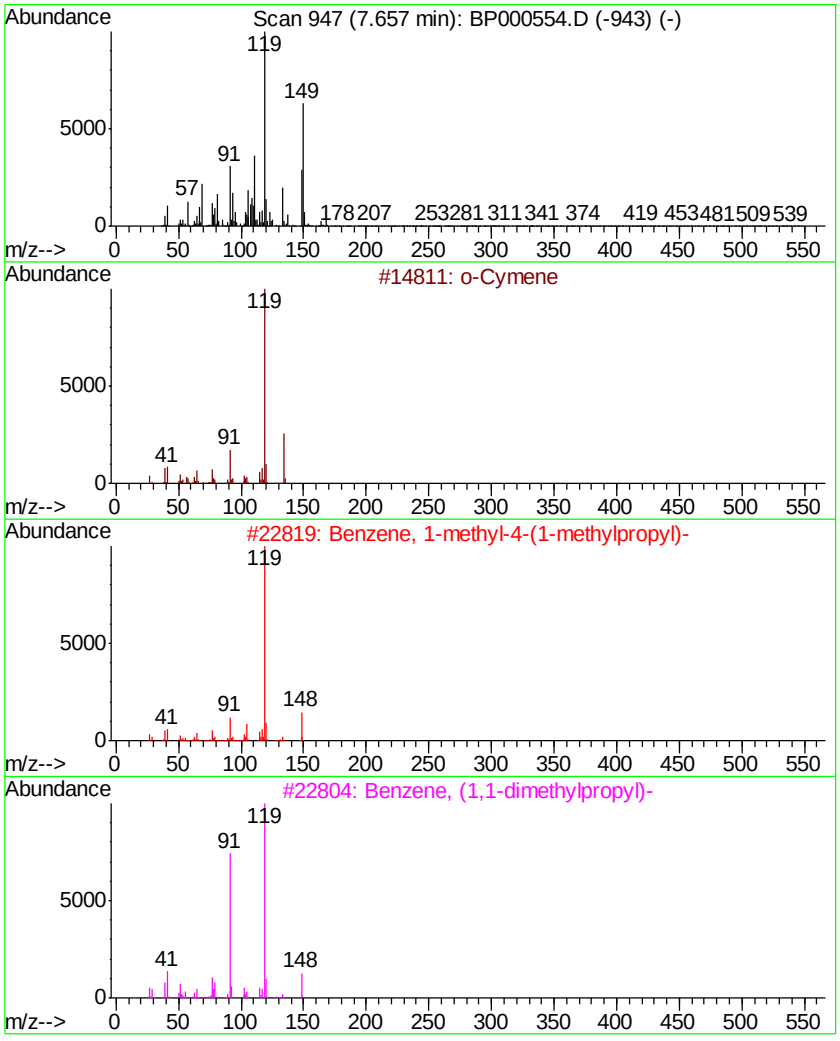
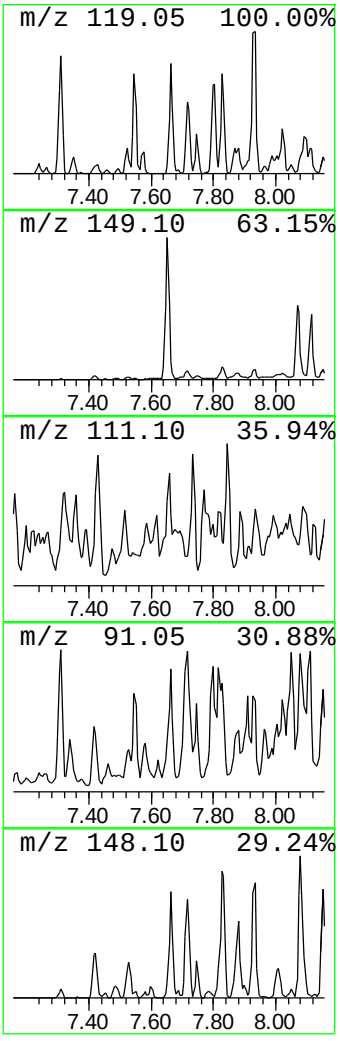
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	17.76 ng	3957730	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	68
5	p-Cymene	134	C10H14	000099-87-6	64





Library Search Compound Report

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Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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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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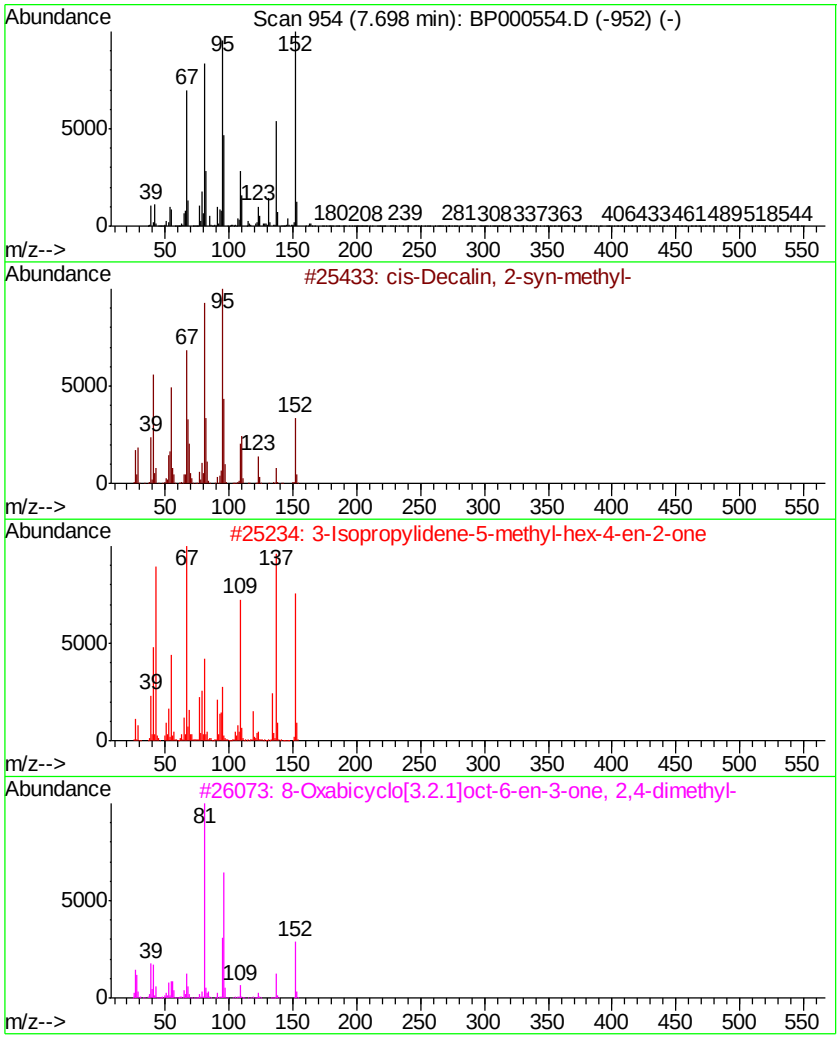
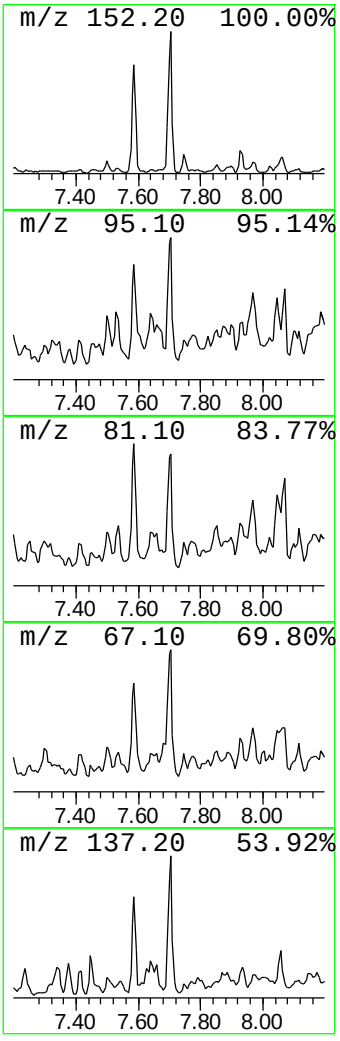
Peak Number 11 cis-Decalin, 2-syn-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	24.48 ng	5456500	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
2	3-Isopropylidene-5-methyl-hex-4-...	152	C10H16O	064149-32-2	43
3	8-Oxabicyclo[3.2.1]oct-6-en-3-on...	152	C9H12O2	049747-05-9	43
4	3,4-Dimethoxytoluene	152	C9H12O2	000494-99-5	42
5	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	30





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Acq On : 07 Oct 2019 19:44
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Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

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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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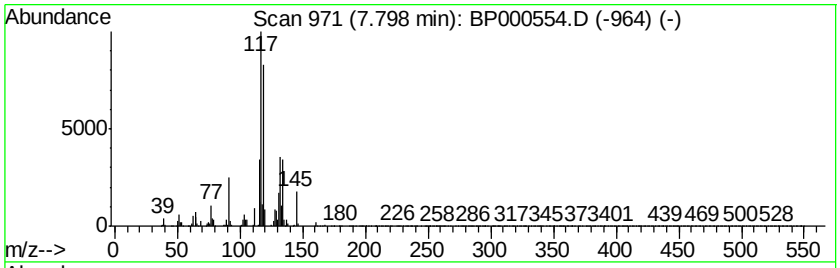
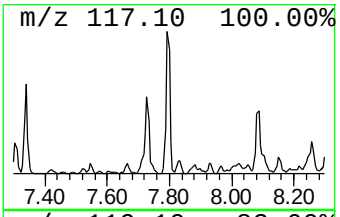
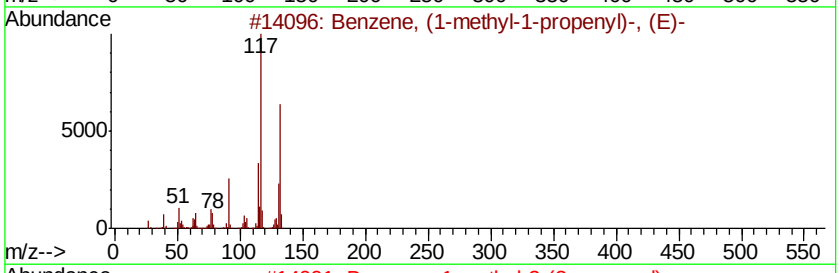
Peak Number 12 Benzene, (1-methyl-1-propen... Concentration Rank 18

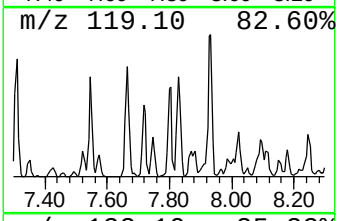
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	18.48 ng	4119000	Naphthalene-d8	8.06

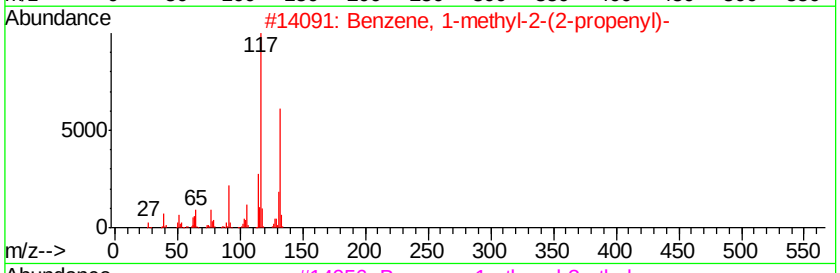
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	49
5	o-Cymene	134	C10H14	000527-84-4	46

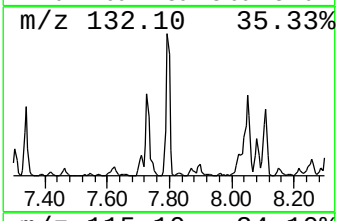


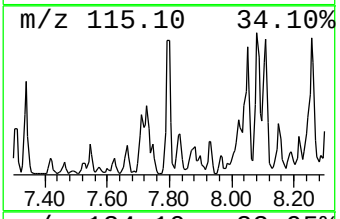


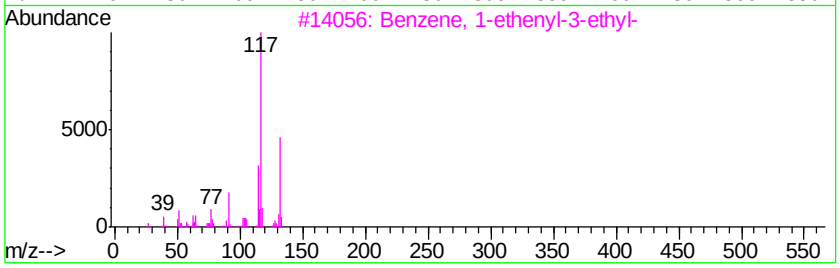


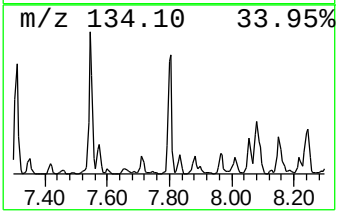












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Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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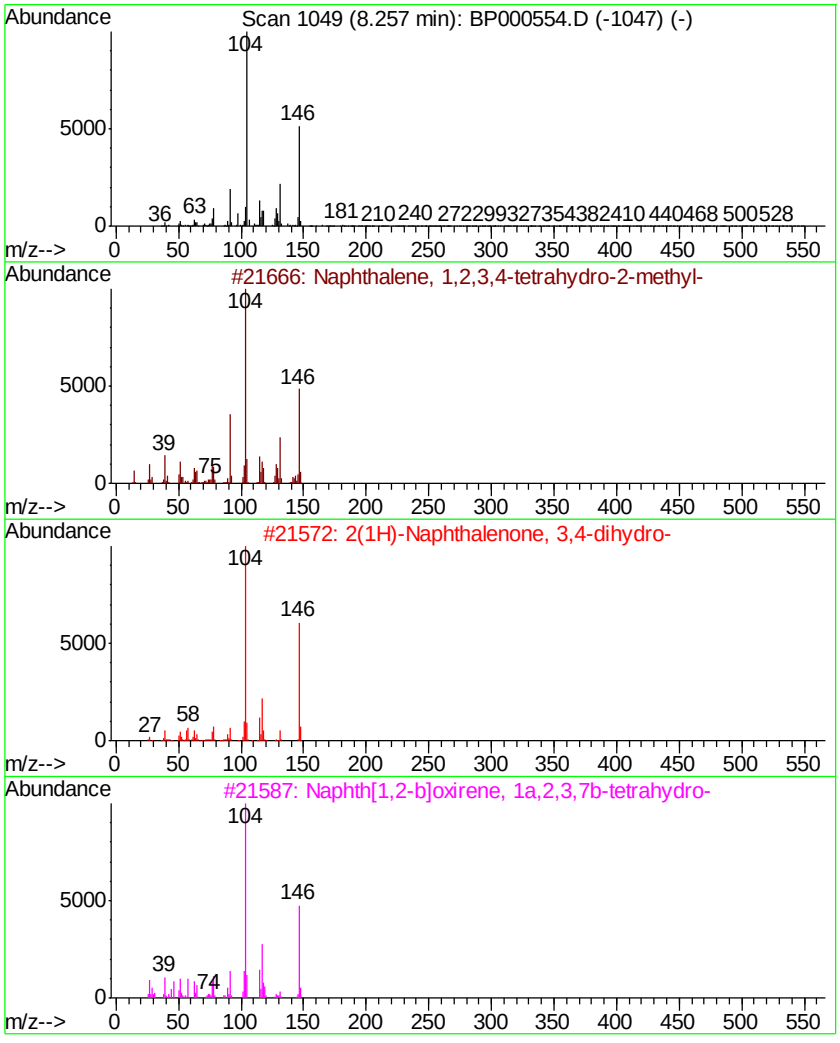
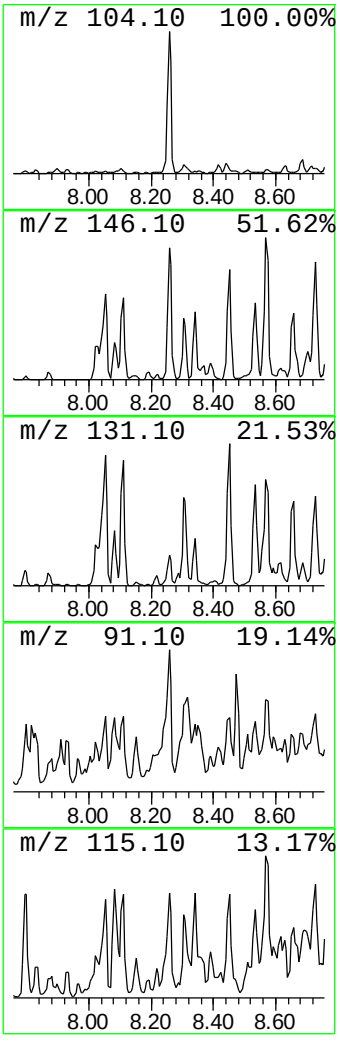
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	19.75 ng	4401430	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	59
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	40





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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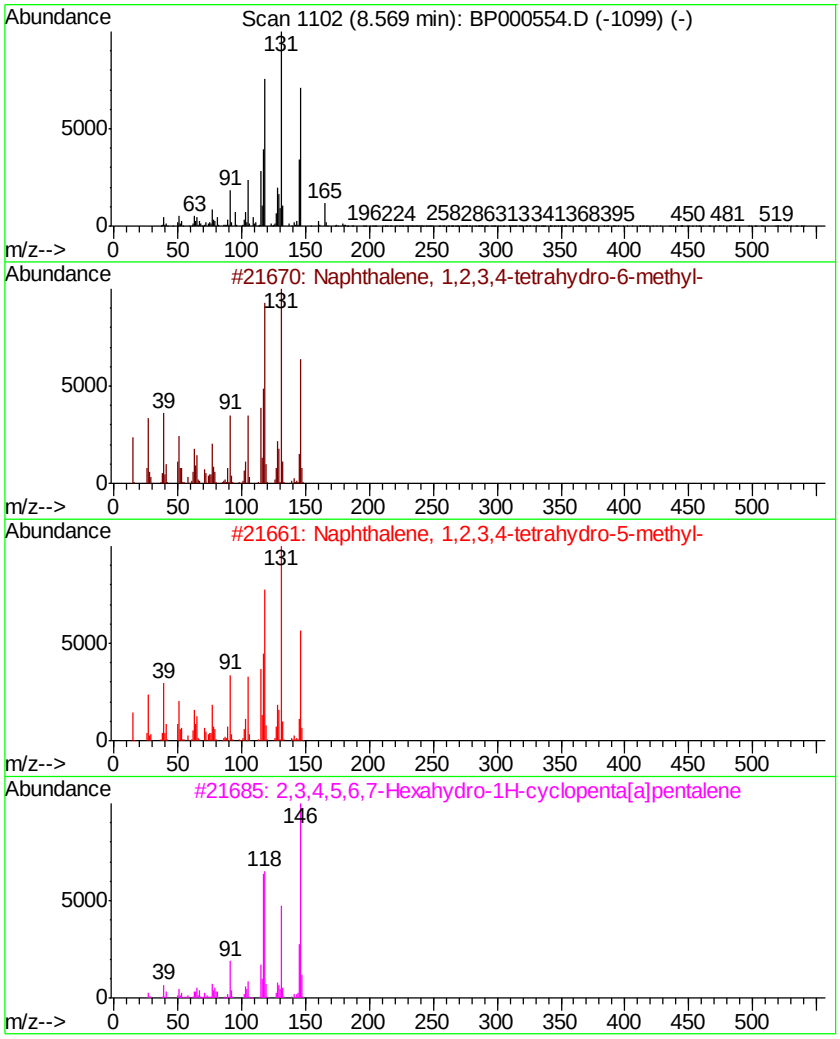
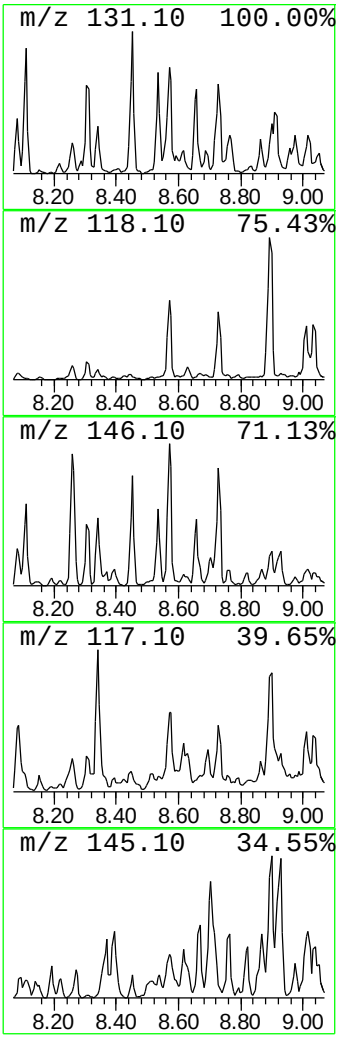
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	24.00 ng	5350330	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	68
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





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Instrument : BNA_P
ClientSampleId : S-4(0-5)

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

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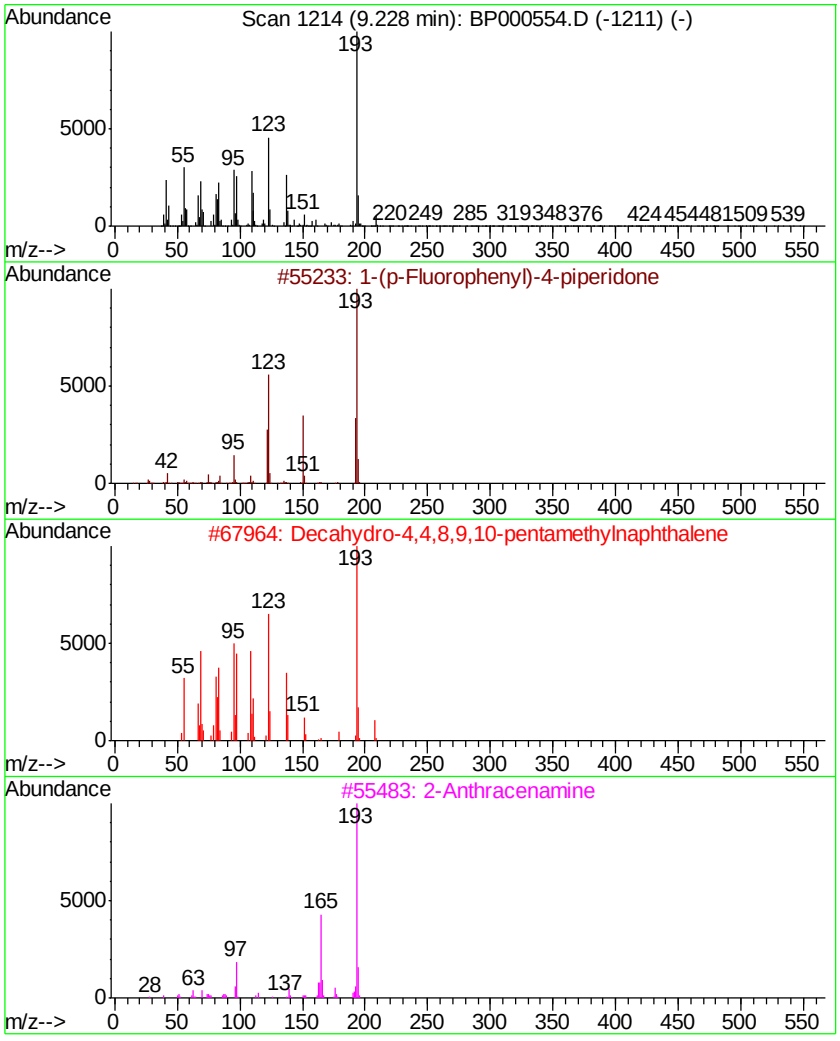
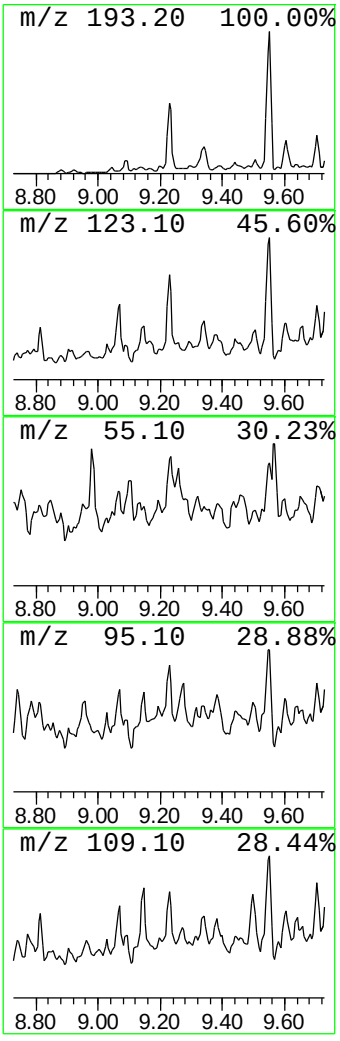
Peak Number 15 unknown9.23 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	22.30 ng	4022730	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	40
2	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	38
3	2-Anthracenamine	193	C14H11N	000613-13-8	35
4	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	33
5	9-Phenanthrenamine	193	C14H11N	000947-73-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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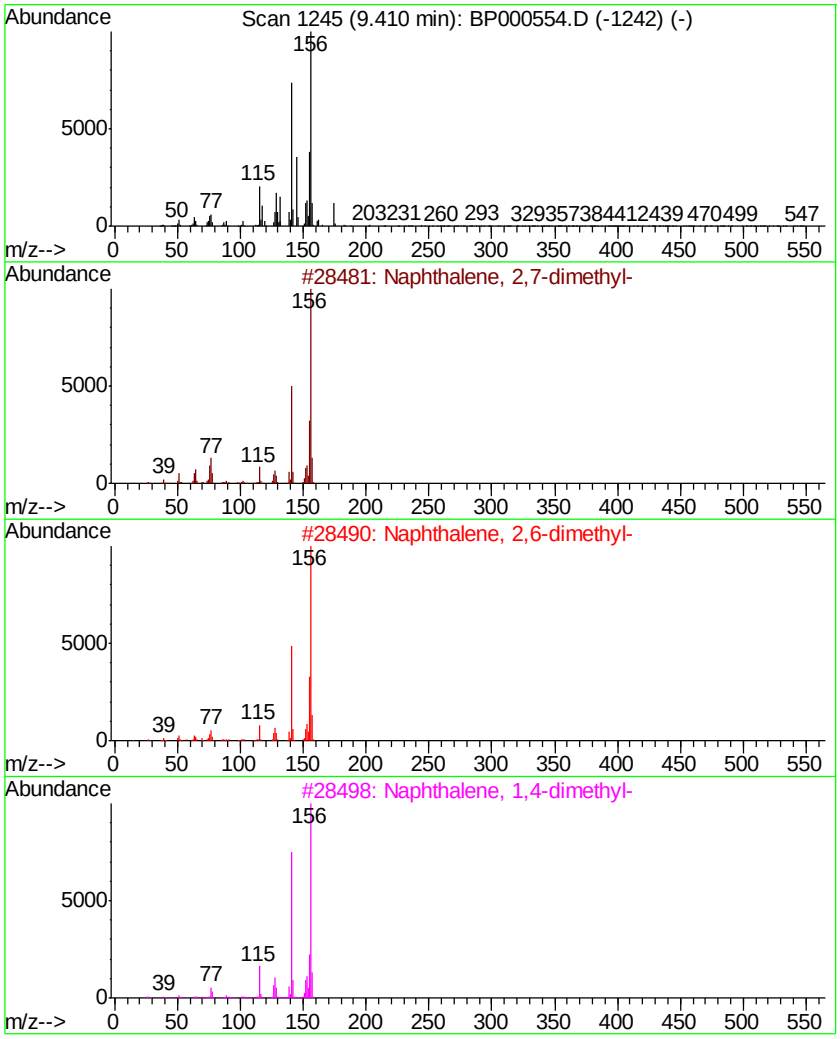
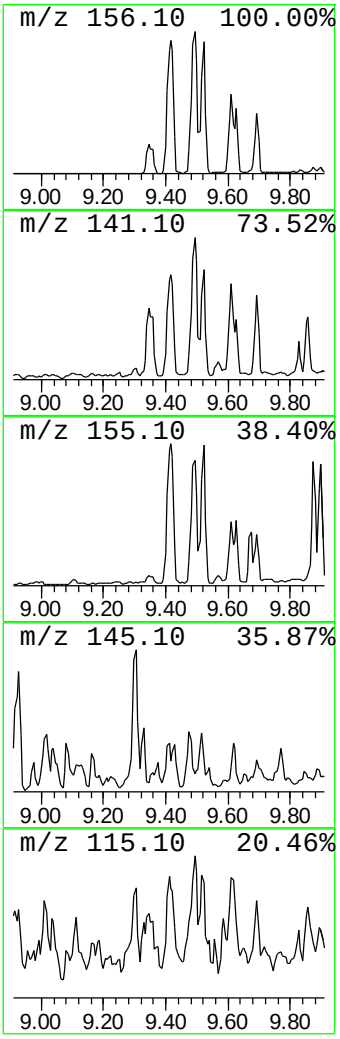
Peak Number 16 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	31.16 ng	5620650	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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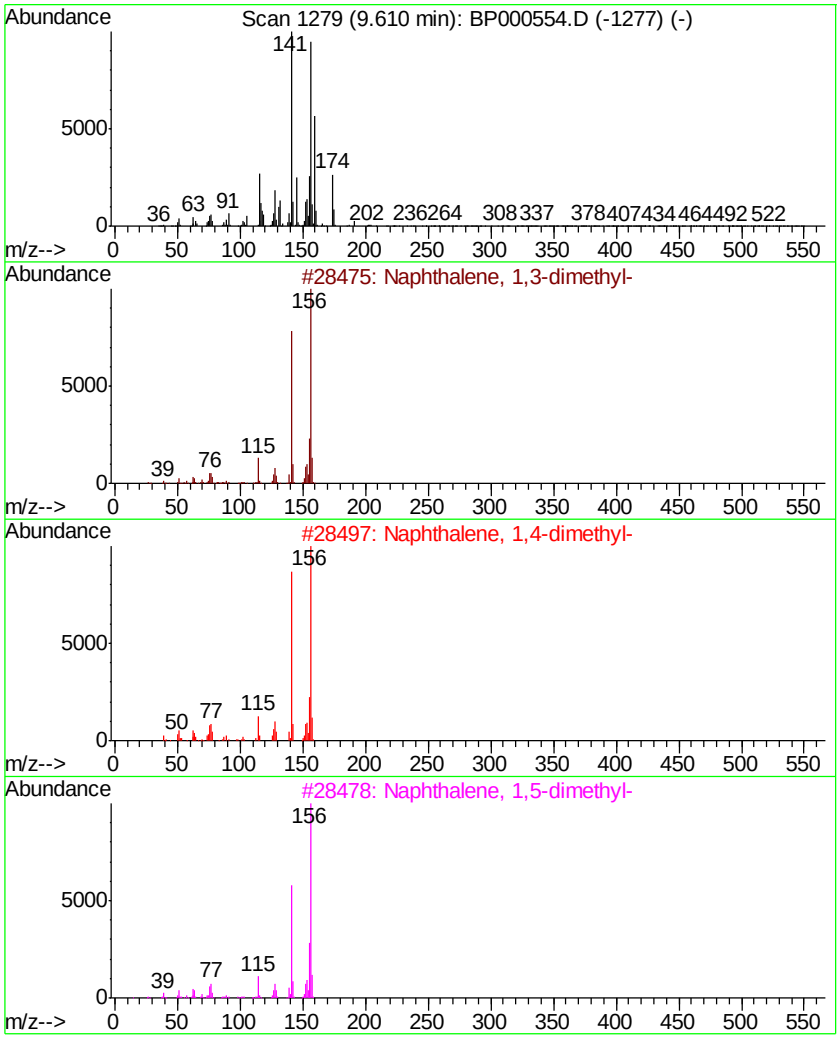
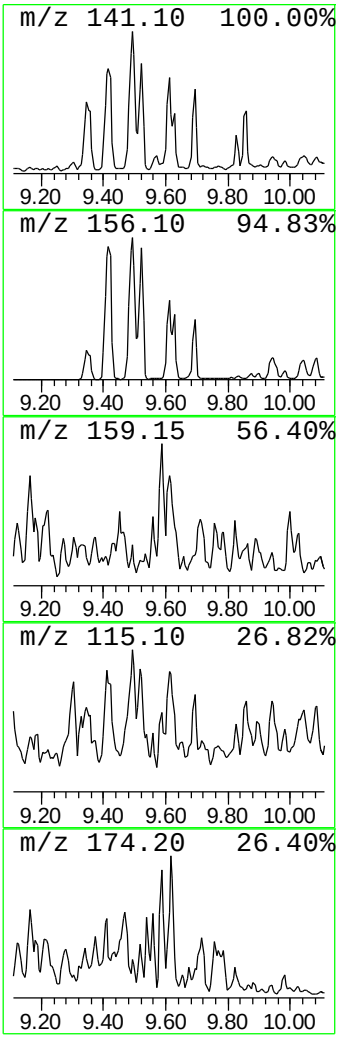
Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	20.80 ng	3751290	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	86
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	86
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	86
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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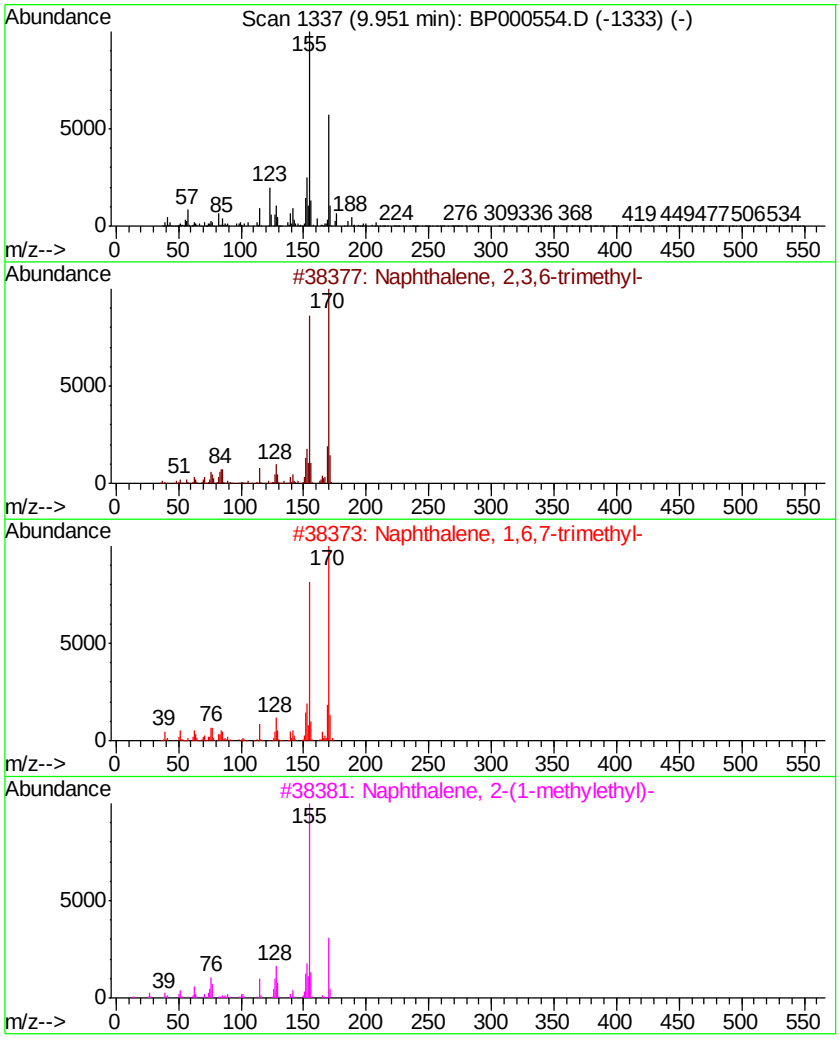
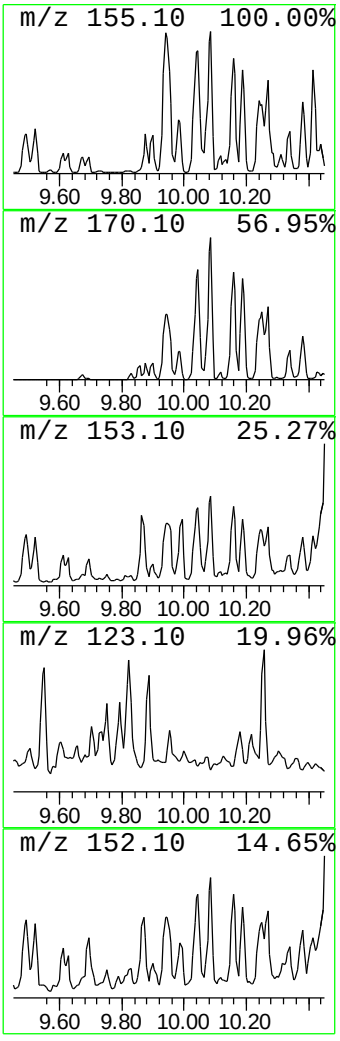
Peak Number 18 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	23.98 ng	4324140	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86





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Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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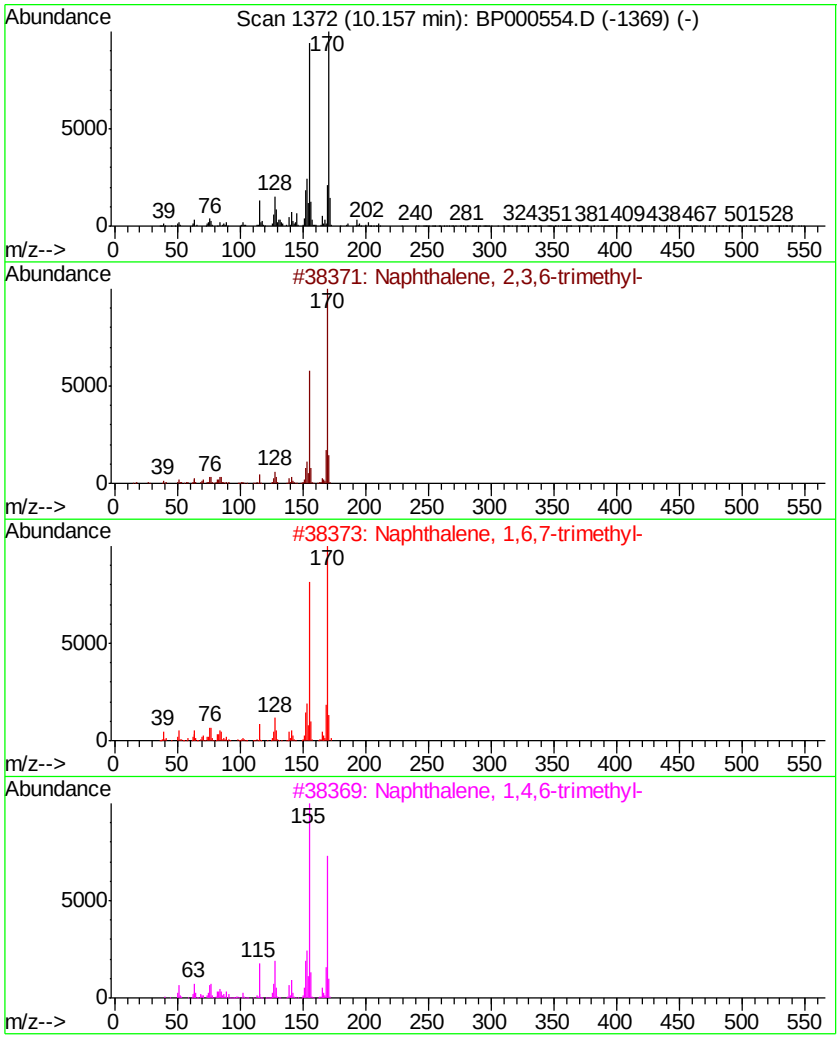
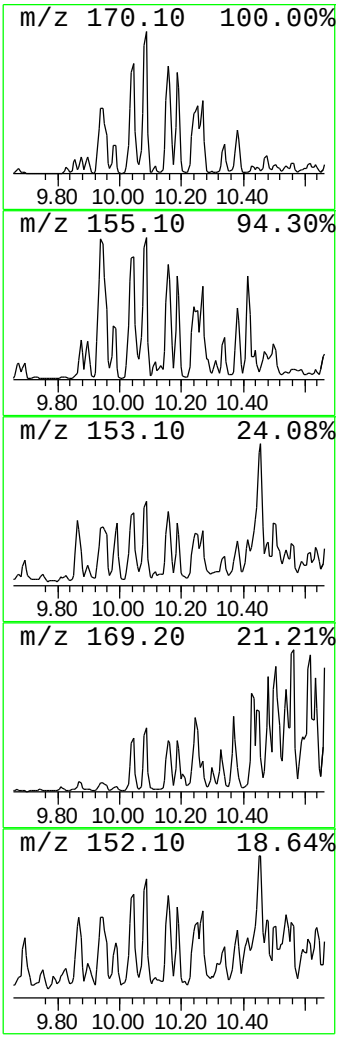
Peak Number 19 Naphthalene, 1,6,7-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	28.91 ng	5213530	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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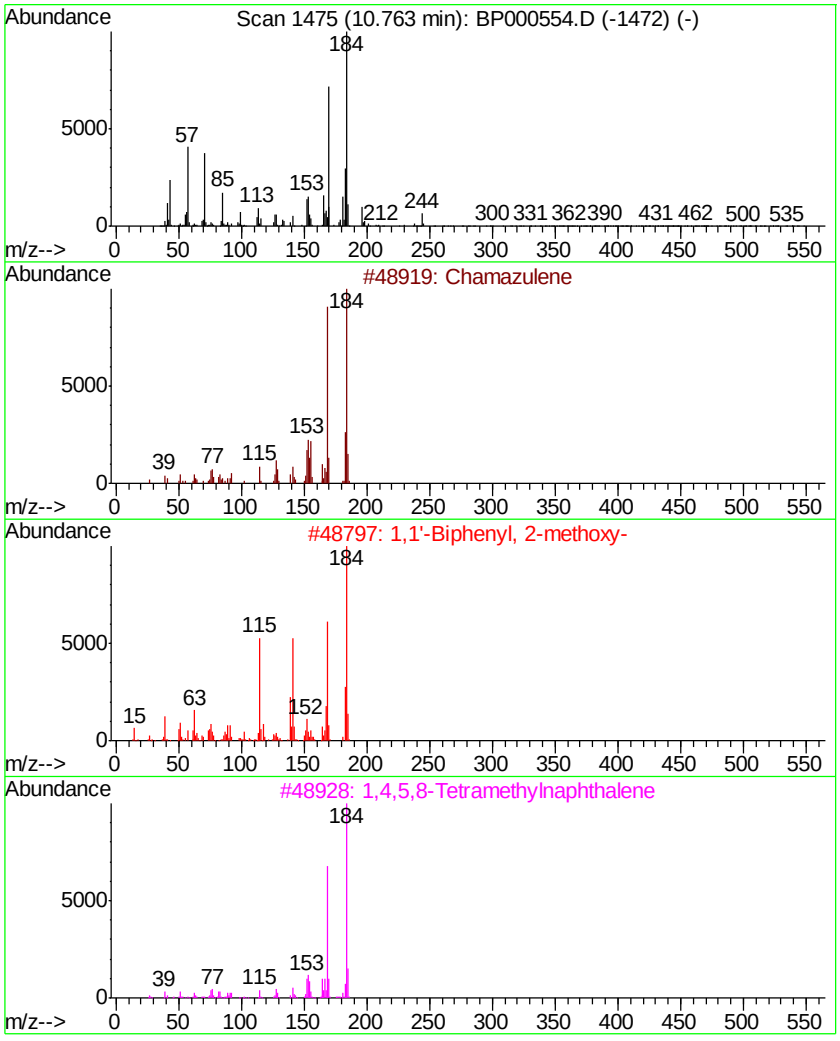
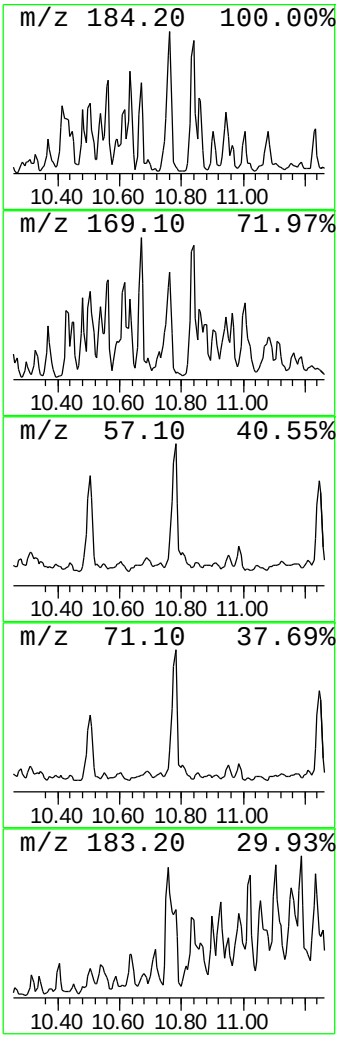
Peak Number 20 Chamazulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	20.00 ng	2745570	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	74
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	64
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	62
5	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP100719\
Data File : BP000554.D
Acq On : 07 Oct 2019 19:44
Operator : JU
Sample : K5213-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-4(0-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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
unknown6.54	6.54	56.3	ng	5406960	1	6.76	1921860	20.0
Cyclohexanol, 5-m...	6.83	18.8	ng	1806750	1	6.76	1921860	20.0
5-Undecene	7.05	31.5	ng	3030530	1	6.76	1921860	20.0
unknown7.13	7.13	16.8	ng	1615470	1	6.76	1921860	20.0
Naphthalene, deca...	7.17	31.0	ng	2975840	1	6.76	1921860	20.0
unknown7.20	7.20	28.9	ng	2774260	1	6.76	1921860	20.0
unknown7.42	7.42	24.7	ng	5502810	2	8.06	4458120	20.0
Naphthalene, deca...	7.59	19.1	ng	4254090	2	8.06	4458120	20.0
Benzene, 1-methyl...	7.66	17.8	ng	3957730	2	8.06	4458120	20.0
cis-Decalin, 2-sy...	7.70	24.5	ng	5456500	2	8.06	4458120	20.0
Benzene, (1-methy...	7.80	18.5	ng	4119000	2	8.06	4458120	20.0
Naphthalene, 1,2,...	8.26	19.8	ng	4401430	2	8.06	4458120	20.0
Naphthalene, 1,2,...	8.57	24.0	ng	5350330	2	8.06	4458120	20.0
unknown9.23	9.23	22.3	ng	4022730	3	9.83	3607160	20.0
Naphthalene, 2,7-...	9.41	31.2	ng	5620650	3	9.83	3607160	20.0
Naphthalene, 1,3-...	9.61	20.8	ng	3751290	3	9.83	3607160	20.0
Naphthalene, 2,3,...	9.95	24.0	ng	4324140	3	9.83	3607160	20.0
Naphthalene, 1,6,...	10.16	28.9	ng	5213530	3	9.83	3607160	20.0
Chamazulene	10.76	20.0	ng	2745570	4	11.33	2745570	20.0