LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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	5.381	550	560	569	rBV2	1903435	2504993	29.07%	1.428%
2	5.540	583	587	591	rBV2	125710	169834	1.97%	0.097%
3	5.605	596	598	603	rVV2	177500	258022	2.99%	0.147%
4	5.787	624	629	633	rVB2	211773	336738	3.91%	0.192%
5	5.922	647	652	656	rVB3	345833	362829	4.21%	0.207%
6	6.022	666	669	671	rBV	379443	372522	4.32%	0.212%
7	6.075	675	678	681	rBV	237483	238680	2.77%	0.136%
8	6.205	695	700	705	rBV3	279802	463901	5.38%	0.264%
9	6.299	713	716	718	rBV3	433506	508498	5.90%	0.290%
10	6.322	718	720	725	rVB2	259381	263035	3.05%	0.150%
11	6.363	725	727	730	rBV2	295708	288050	3.34%	0.164%
12	6.399	730	733	738	rVV	2182685	1972261	22.89%	1.124%
13	6.440	738	740	743	rVB3	261148	260327	3.02%	0.148%
14	6.510	748	752	753	rBV2	266697	289883	3.36%	0.165%
15	6.534	753	756	763	rVB	2474505	2348054	27.25%	1.338%
16	6.593	763	766	767	rBV	477518	440724	5.11%	0.251%
17	6.628	770	772	774	rVB2	231339	180195	2.09%	0.103%
18	6.734	782	790	792	rBV6	258868	540020	6.27%	0.308%
19	6.763	792	795	797	rBV	1794777	1515125	17.58%	0.864%
20	6.787	797	799	803	rVB2	555249	517870	6.01%	0.295%
21	6.822	803	805	809	rBV3	451993	543276	6.30%	0.310%
22	6.863	809	812	814	rBV2	233582	284838	3.31%	0.162%
23	6.916	818	821	824	rBV	2465304	2017114	23.41%	1.150%
24	6.946	824	826	830	rVB2	424086	456416	5.30%	0.260%
25	7.004	832	836	837	rBV4	211440	249073	2.89%	0.142%
26	7.040	840	842	846	rVB2	596993	647687	7.52%	0.369%
27	7.087	846	850	852	rBV2	698733	642716	7.46%	0.366%
28	7.110	852	854	858	rBV5	213483	314192	3.65%	0.179%
29	7.163	860	863	865	rBV	765176	666477	7.73%	0.380%
30	7.193	865	868	873	rVB4	353083	410769	4.77%	0.234%
31	7.299	880	886	888	rBV2	1521892	2056485	23.87%	1.172%
32	7.316	888	889	896	rVB2	1405505	1425571	16.54%	0.813%
33	7.369	896	898	901	rVB2	645783	527066	6.12%	0.300%
34	7.410	901	905	909	rVB4	1075927	1405173	16.31%	0.801%

LSC Area Percent Report

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Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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	7.463	909	914	916	rBV5	483214	865053	10.04%	0.493%
36	7.487	916	918	922	rVB4	288459	275130	3.19%	0.157%
37	7.540	922	927	930	rBV4	817830	1340088	15.55%	0.764%
38	7.575	930	933	937	rVB3	1131395	1104492	12.82%	0.630%
39	7.616	937	940	941	rBV2	228096	232191	2.69%	0.132%
40	7.646	941	945	948	rBV2	850840	1151586	13.36%	0.656%
41	7.693	951	953	957	rVB3	1420797	1690936	19.62%	0.964%
42	7.740	959	961	963	rVB2	438203	328002	3.81%	0.187%
43	7.787	964	969	971	rBV2	1205681	1326896	15.40%	0.756%
44	7.816	971	974	977	rVB3	682854	652512	7.57%	0.372%
45	7.875	979	984	989	rVB8	710263	1141672	13.25%	0.651%
46	7.922	989	992	994	rBV	1005535	892627	10.36%	0.509%
47	7.993	1002	1004	1006	rBV2	906026	781396	9.07%	0.445%
48	8.046	1009	1013	1015	rVV2	3345250	4014193	46.58%	2.288%
49	8.069	1015	1017	1020	rVB4	988536	921366	10.69%	0.525%
50	8.099	1020	1022	1024	rVB2	1271085	919850	10.67%	0.524%
51	8.122	1024	1026	1027	rBV	909807	617768	7.17%	0.352%
52	8.228	1042	1044	1048	rBV3	725551	641871	7.45%	0.366%
53	8.263	1048	1050	1052	rVB	629254	410330	4.76%	0.234%
54	8.287	1052	1054	1057	rBV2	554114	668200	7.75%	0.381%
55	8.316	1057	1059	1060	rBV2	746516	523938	6.08%	0.299%
56	8.351	1062	1065	1067	rVB3	2727990	2555759	29.66%	1.457%
57	8.381	1067	1070	1072	rBV2	814480	792017	9.19%	0.451%
58	8.404	1072	1074	1076	rBV2	708415	577716	6.70%	0.329%
59	8.440	1077	1080	1083	rVB2	1533107	1386136	16.09%	0.790%
60	8.487	1086	1088	1089	rBV	1454654	1122976	13.03%	0.640%
61	8.522	1092	1094	1097	rVB	2881789	2321684	26.94%	1.323%
62	8.563	1098	1101	1103	rBV2	1530286	1645784	19.10%	0.938%
63	8.604	1106	1108	1112	rVB4	1275189	1614990	18.74%	0.921%
64	8.657	1112	1117	1118	rBV3	1055072	1562747	18.14%	0.891%
65	8.751	1130	1133	1134	rBV3	1233766	1183296	13.73%	0.675%
66	8.769	1134	1136	1139	rVB	3042111	2489417	28.89%	1.419%
67	8.804	1139	1142	1145	rBV2	2434884	2467061	28.63%	1.406%
68	8.840	1146	1148	1150	rBV2	745324	860450	9.99%	0.490%
69	8.869	1150	1153	1156	rBV2	3340506	3303800	38.34%	1.883%
70	9.057	1182	1185	1187	rVB2	1931068	1770565	20.55%	1.009%
71	9.093	1187	1191	1194	rBV4	1773209	2583747	29.98%	1.473%

LSC Area Percent Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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

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Peak separation: 5

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

72	9.134	1195	1198	1200	rBV	2832220	2770106	32.15%	1.579%
73	9.222	1210	1213	1217	rBV2	4219566	4665915	54.15%	2.660%
74	9.263	1218	1220	1222	rBV	1217201	1302357	15.11%	0.742%
75	9.410	1240	1245	1247	rBV	3409906	5131873	59.56%	2.925%
76	9.487	1254	1258	1260	rBV2	3744251	4556968	52.88%	2.598%
77	9.510	1260	1262	1264	rVB	3035578	2416740	28.05%	1.378%
78	9.540	1264	1267	1273	rBV2	4674039	5634517	65.39%	3.212%
79	9.598	1274	1277	1283	rVB2	3200428	4267456	49.52%	2.433%
80	9.698	1290	1294	1297	rBV4	2609249	4124289	47.86%	2.351%
81	9.746	1299	1302	1304	rVB	4498101	4458609	51.74%	2.542%
82	9.810	1310	1313	1318	rBV4	2879560	4861167	56.41%	2.771%
83	9.934	1331	1334	1338	rVB2	2733364	3849458	44.67%	2.194%
84	10.034	1347	1351	1354	rVB	3192647	3767535	43.72%	2.148%
85	10.075	1355	1358	1360	rVB	3410264	3041583	35.30%	1.734%
86	10.151	1368	1371	1373	rBV	3249294	3589694	41.66%	2.046%
87	10.175	1373	1375	1378	rVV2	3666803	3617765	41.98%	2.062%
88	10.204	1378	1380	1382	rVV2	1718152	1570665	18.23%	0.895%
89	10.245	1384	1387	1393	rVB4	3764499	5811643	67.44%	3.313%
90	10.375	1407	1409	1411	rVB	1854498	1249652	14.50%	0.712%
91	10.493	1427	1429	1433	rBV	2184297	2254623	26.16%	1.285%
92	10.657	1455	1457	1460	rBV2	1504258	1379081	16.00%	0.786%
93	10.751	1470	1473	1480	rVB3	3580313	5355424	62.15%	3.053%
94	10.828	1483	1486	1488	rBV	2588057	2557051	29.67%	1.458%
95	11.351	1573	1575	1577	rBV	1727168	1207353	14.01%	0.688%
96	12.816	1822	1824	1828	rVB	2216915	2234193	25.93%	1.274%
97	12.857	1828	1831	1834	rVB	2803557	2920157	33.89%	1.665%
98	12.934	1842	1844	1846	rVB	2176339	1621333	18.82%	0.924%
99	13.398	1920	1923	1926	rVB	2352200	2374360	27.55%	1.353%
100	16.663	2473	2478	2489	rVB2	3715891	8617000	100.00%	4.912%

Sum of corrected areas: 175425223

LSC Report - Integrated Chromatogram

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Acq On : 07 Oct 2019 18:56
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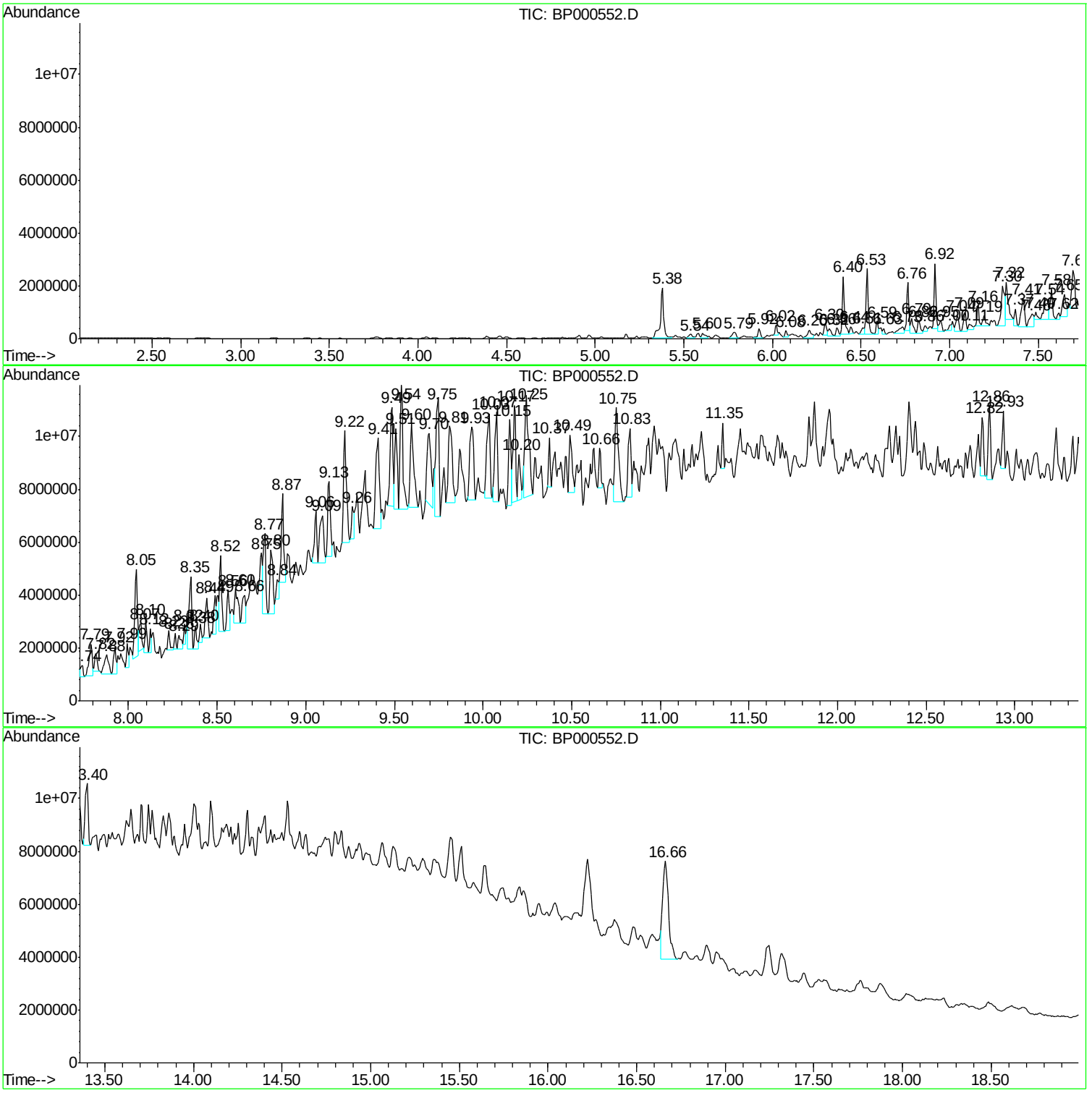
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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



Library Search Compound Report

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ClientSampleId : S-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

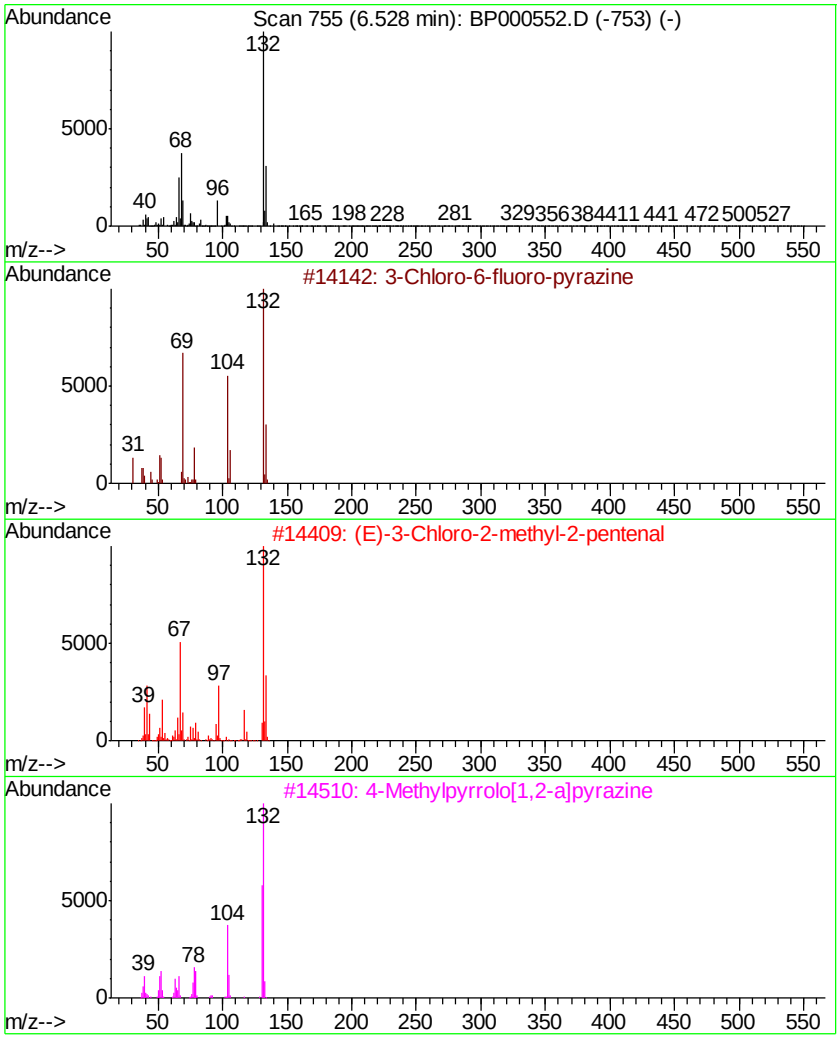
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

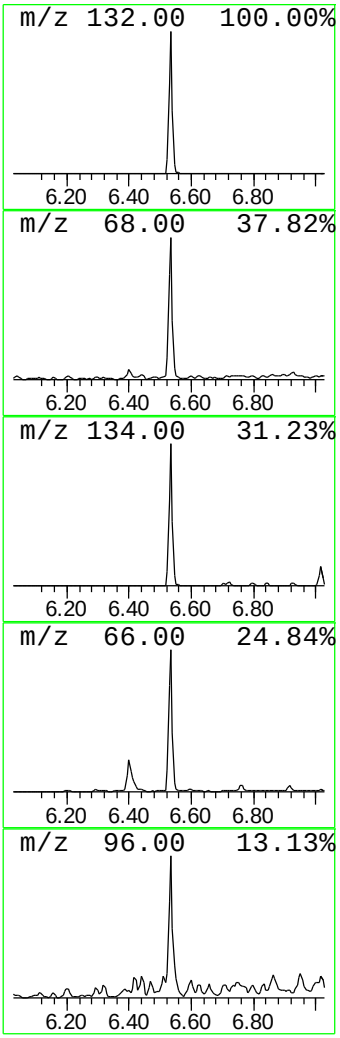
****

Peak Number 1 unknown6.53 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	30.99 ng	2348050	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Instrument : BNA_P
ClientSampleId : S-3(0-5)

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

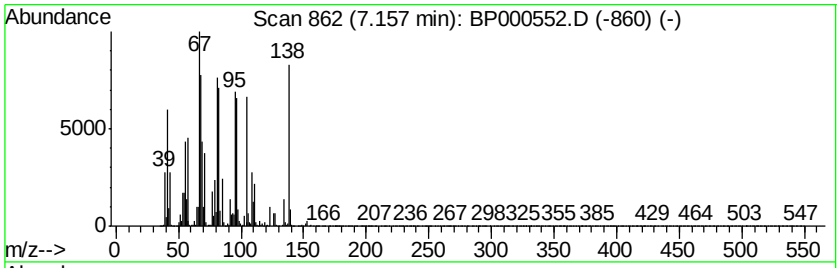
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

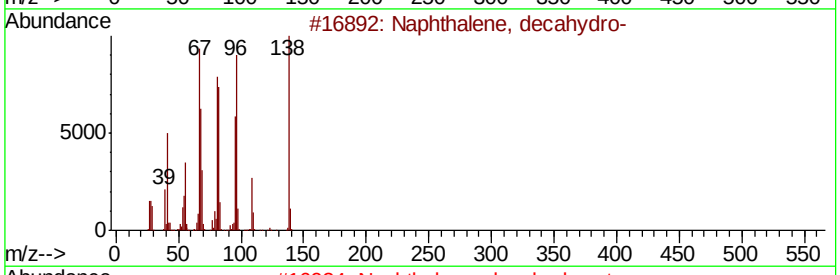
****

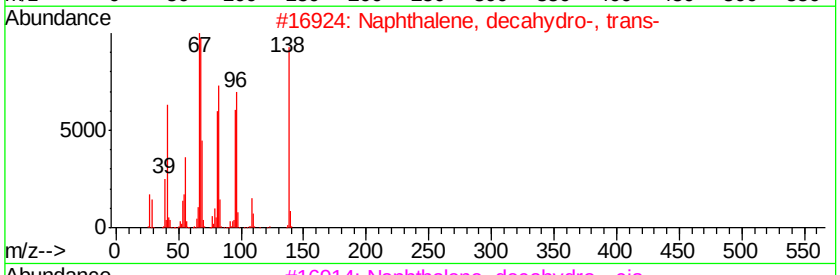
Peak Number 3 Naphthalene, decahydro- Concentration Rank 20

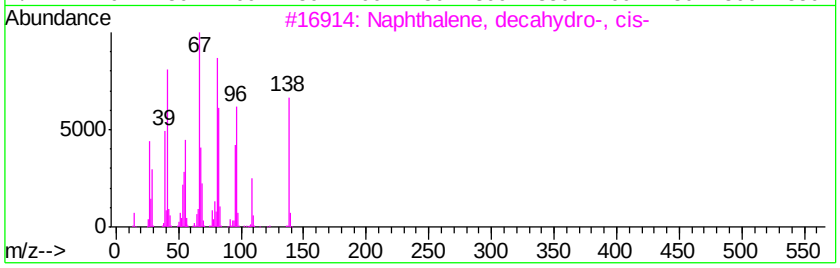
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	8.80 ng	666477	1,4-Dichlorobenzene-d4	6.76

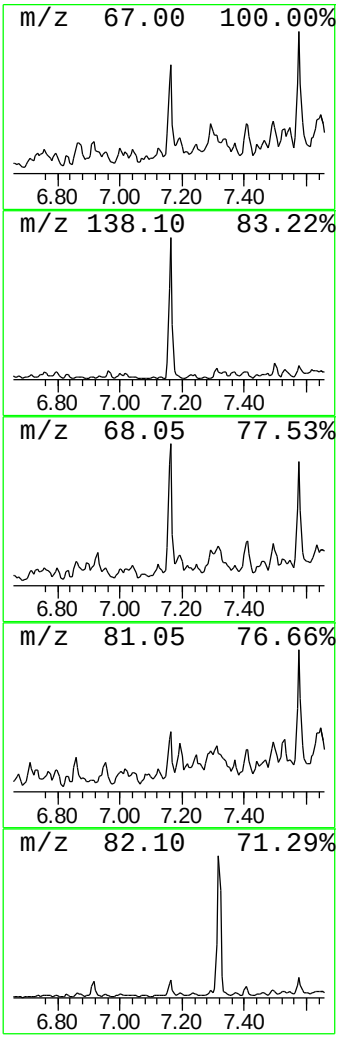
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	89
4	Spiro[4.5]decane	138	C10H18	000176-63-6	81
5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	64











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Instrument : BNA_P
ClientSampleId : S-3(0-5)

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

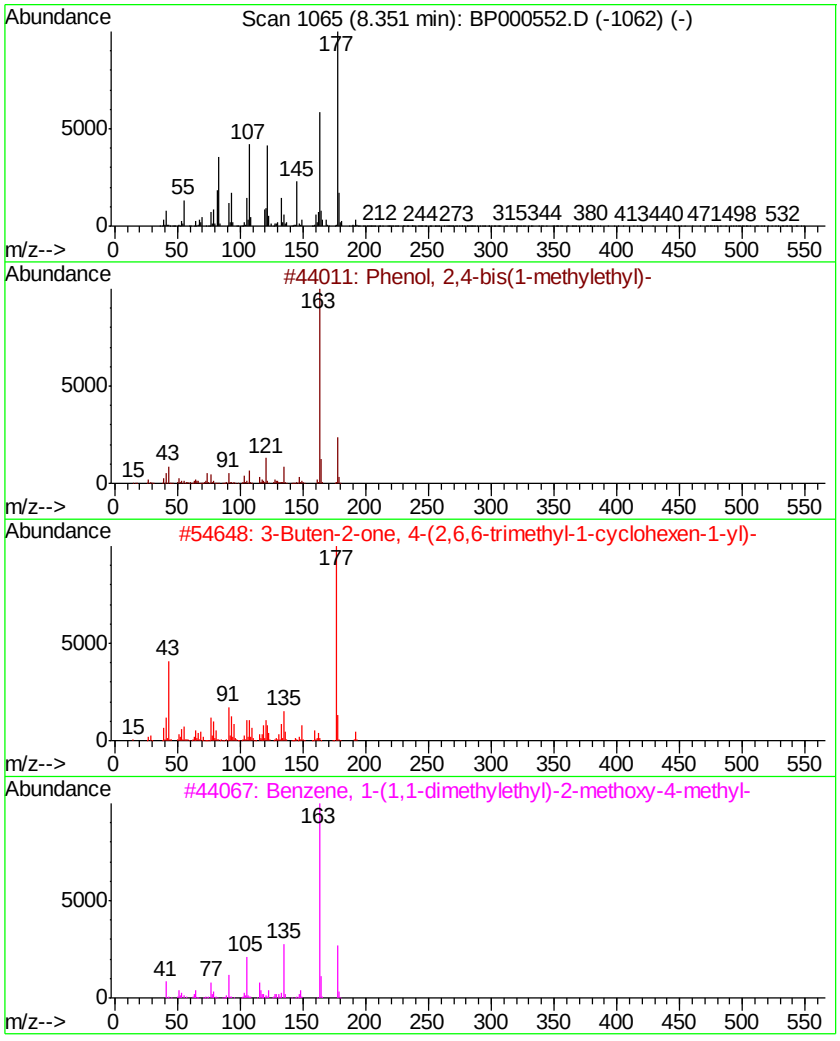
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

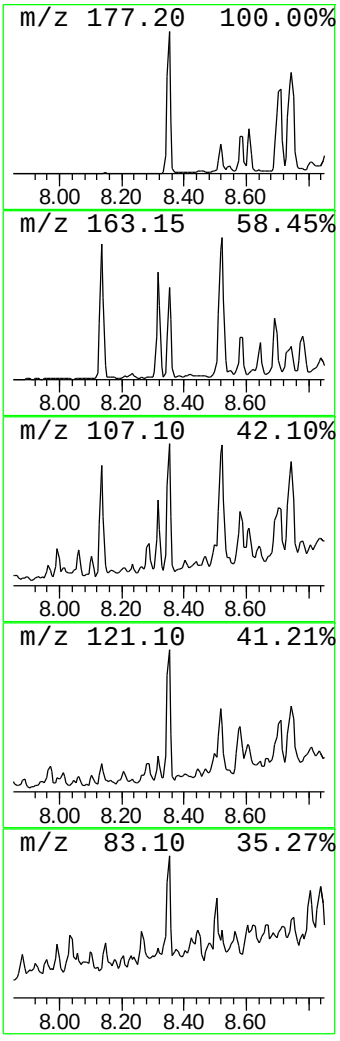
****

Peak Number 4 unknown8.35 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	12.73 ng	2555760	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1-methylethyl)-	178	C12H18O	002934-05-6	42
2	3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	35
3	Benzene, 1-(1,1-dimethylethyl)-2...	178	C12H18O	000088-40-4	25
4	1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	18
5	Acetamide, N-benzyl-2-(2,3-dihyd...	325	C18H19N3OS	1000276-37-7	16





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : S-3(0-5)

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

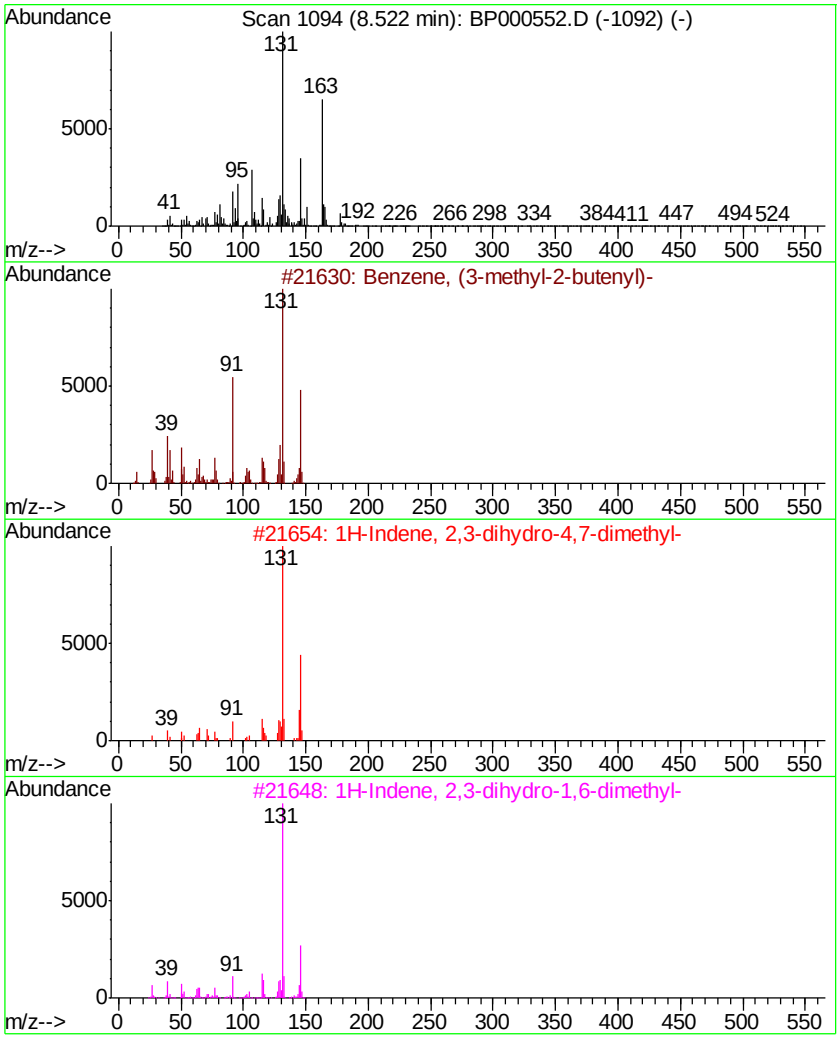
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

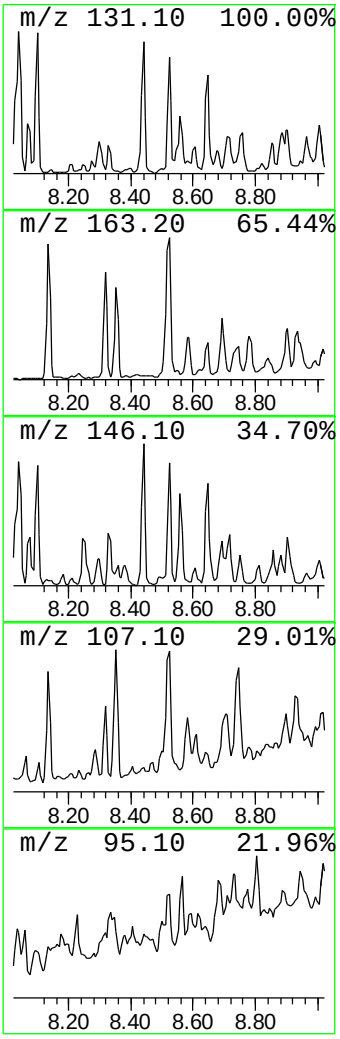
****

Peak Number 5 Benzene, (3-methyl-2-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	11.57 ng	2321680	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(0-5)

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

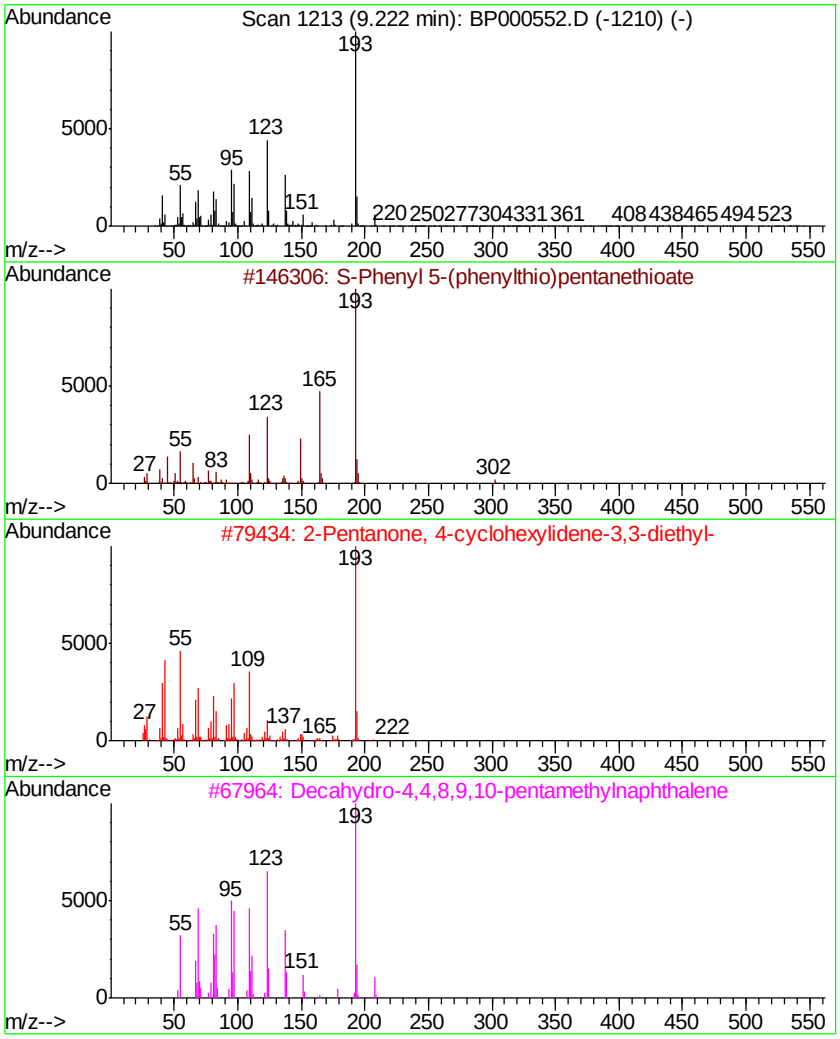
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

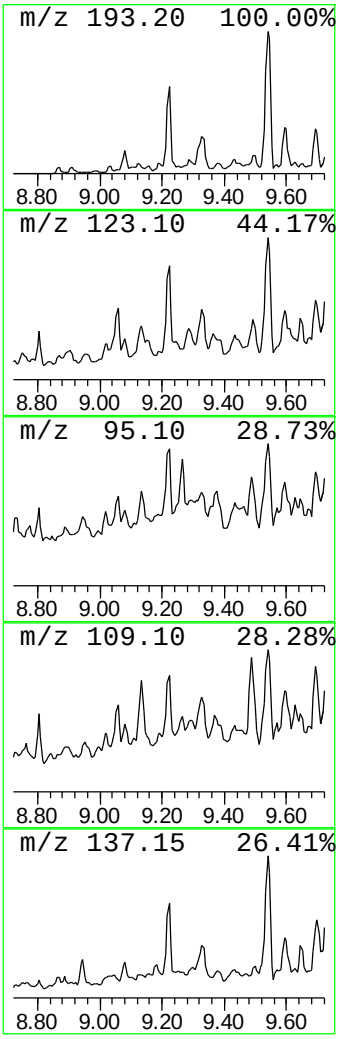
****

Peak Number 6 S-Phenyl 5-(phenylthio)pent... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	19.20 ng	4665920	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	S-Phenyl 5-(phenylthio)pentaneth...	302	C17H18OS2	1000234-40-7	50
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	50
3	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	46
4	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	42
5	2-Diethylamino-4-phenylthiooct-2...	302	C18H26N2S	1000090-57-0	38





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Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(0-5)

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

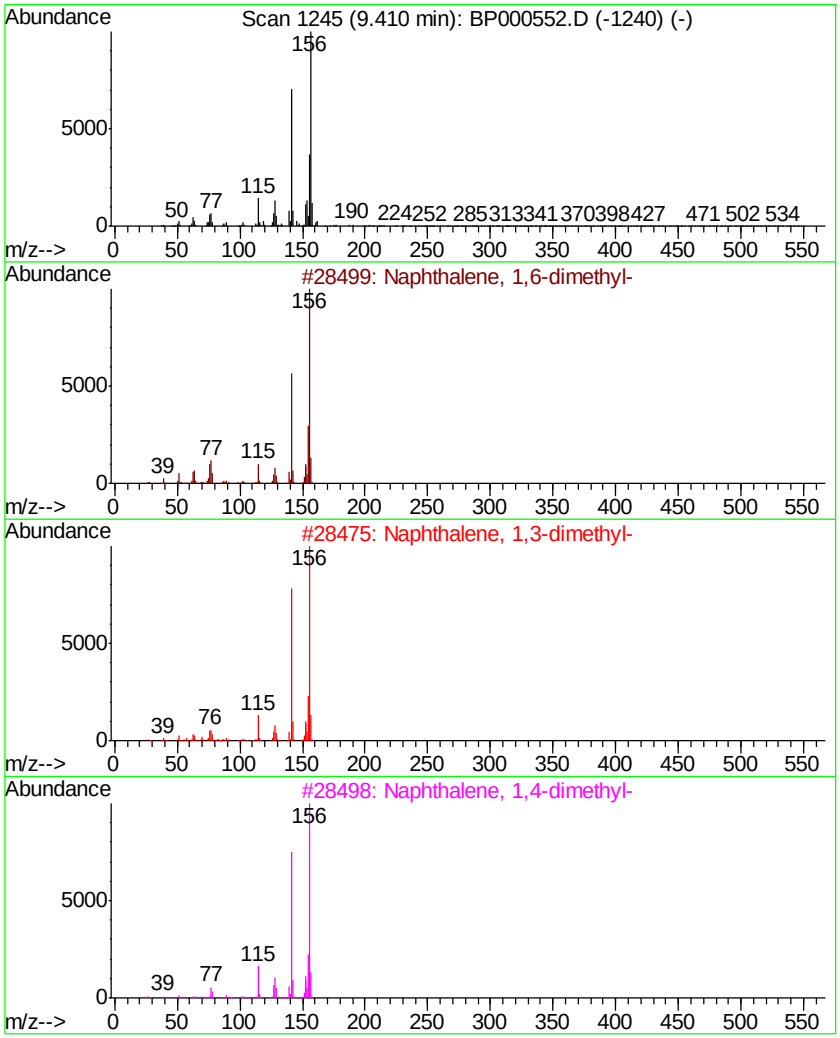
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

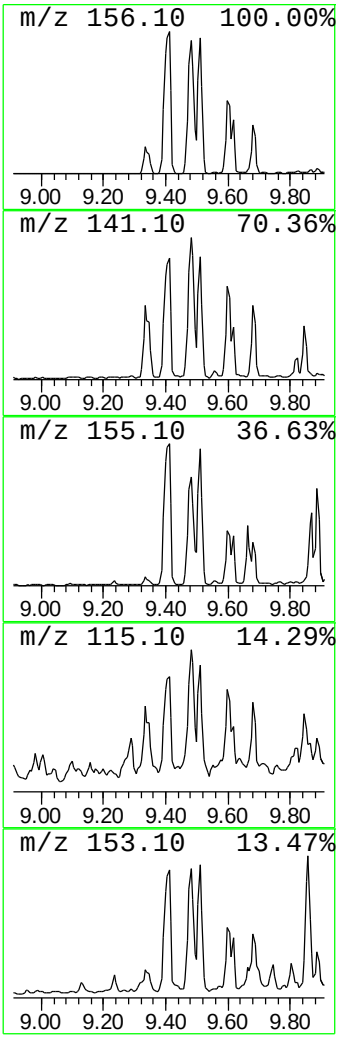
****

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	21.11 ng	5131870	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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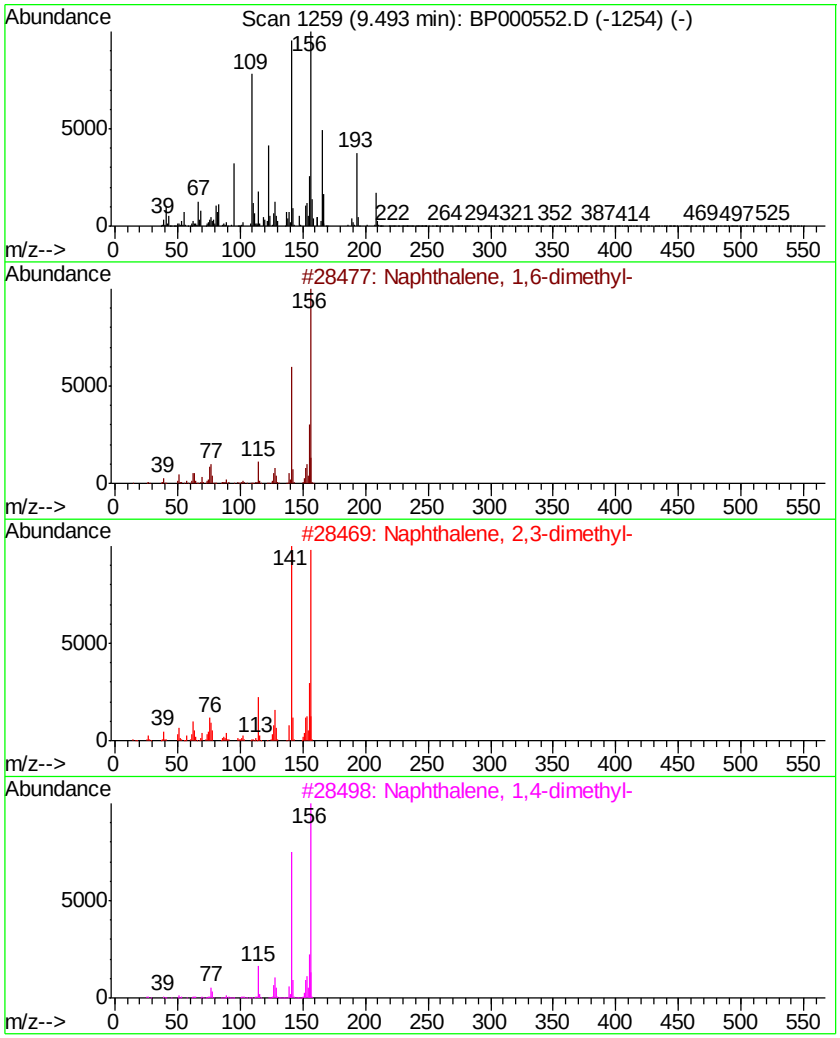
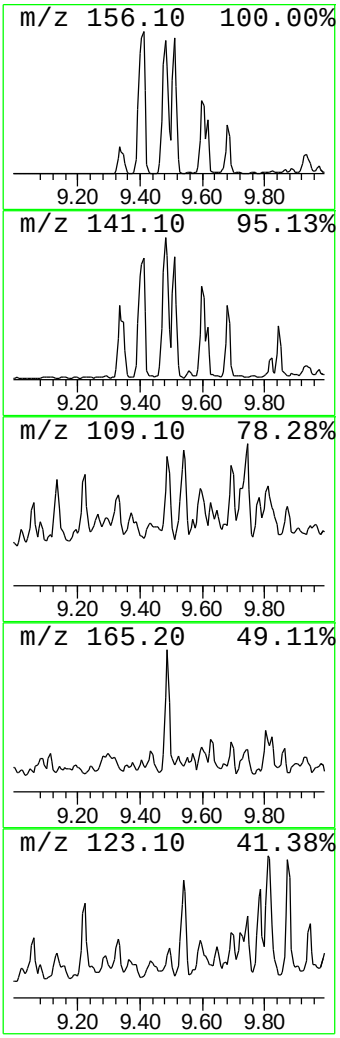
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	18.75 ng	4556970	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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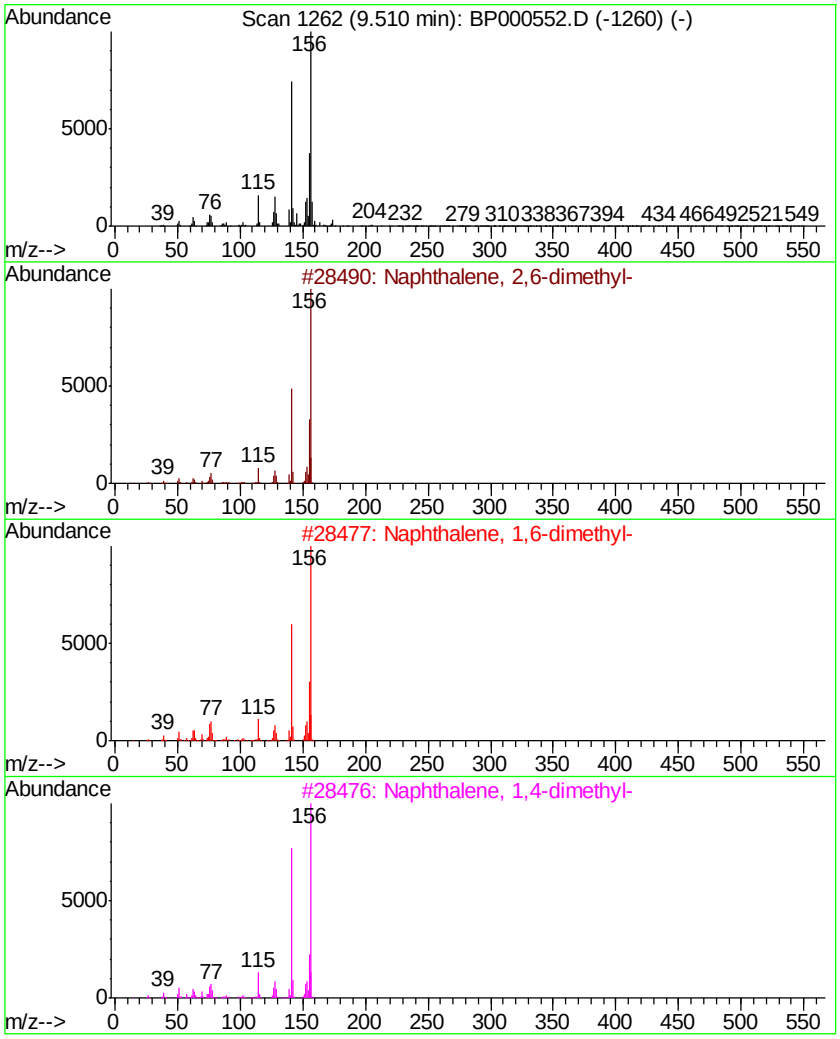
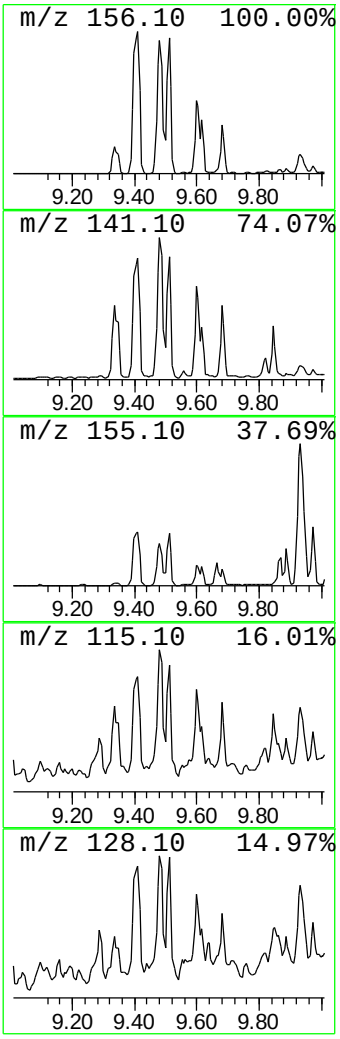
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	9.94 ng	2416740	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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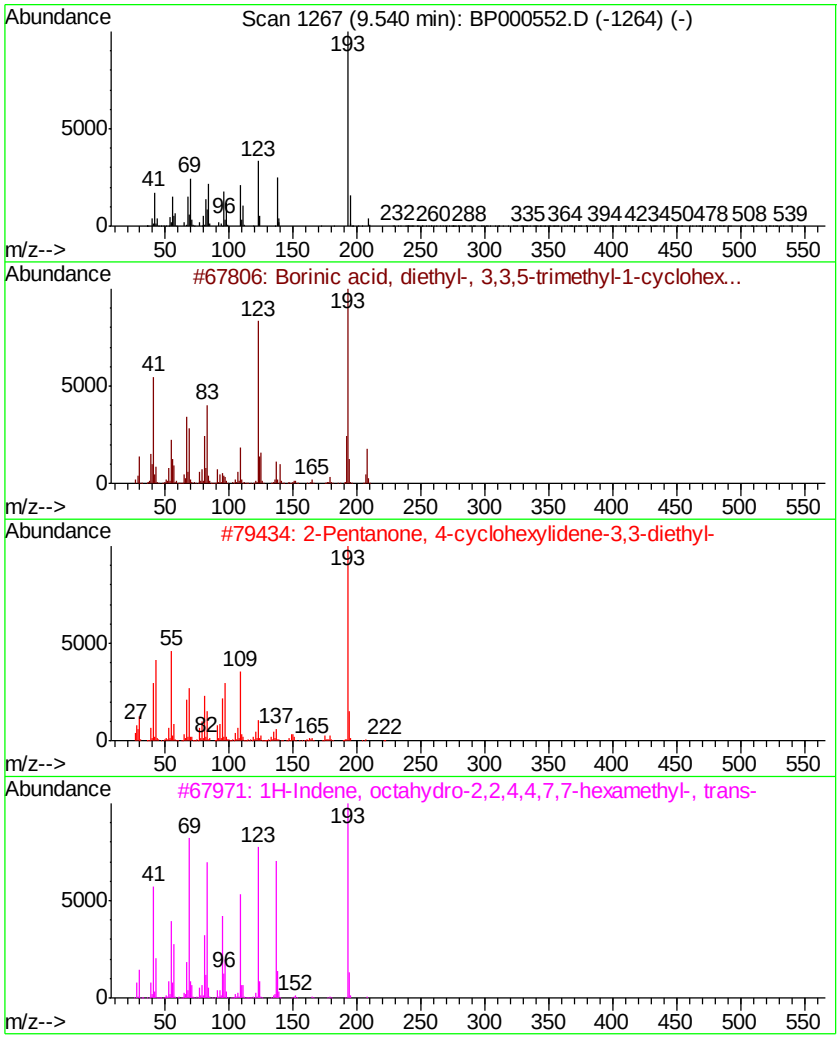
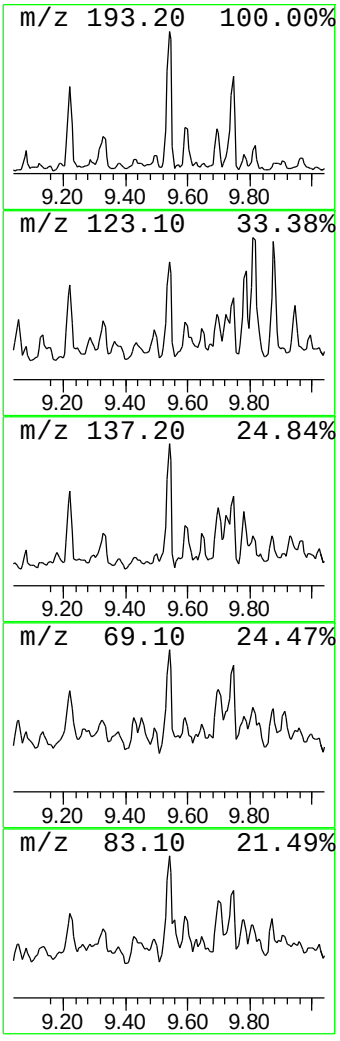
Peak Number 10 Borinic acid, diethyl-, 3,3... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	23.18 ng	5634520	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	53
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	42
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	38
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	38
5	3,4-Diethoxy-N-(4,5,6,7-tetrahyd...	346	C18H22N2O3S	1000311-37-1	37





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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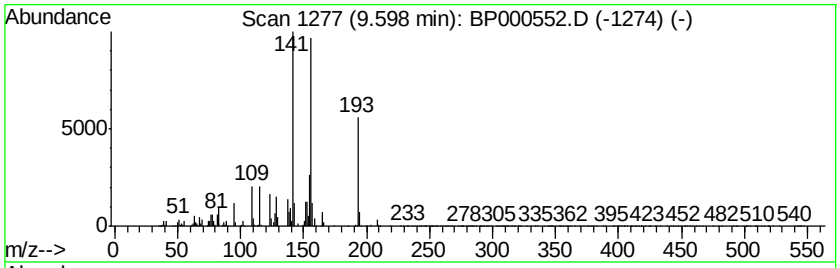
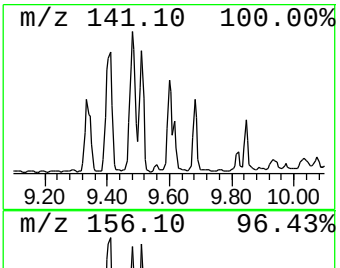
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	17.56 ng	4267460	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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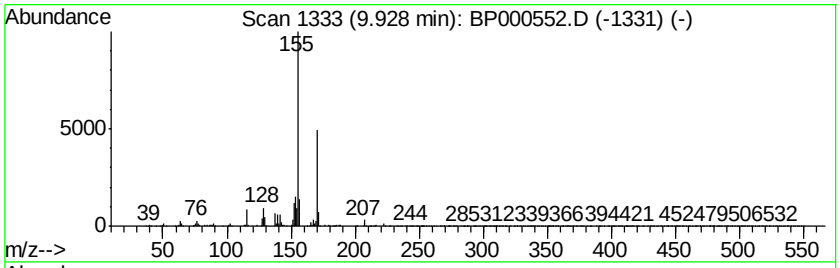
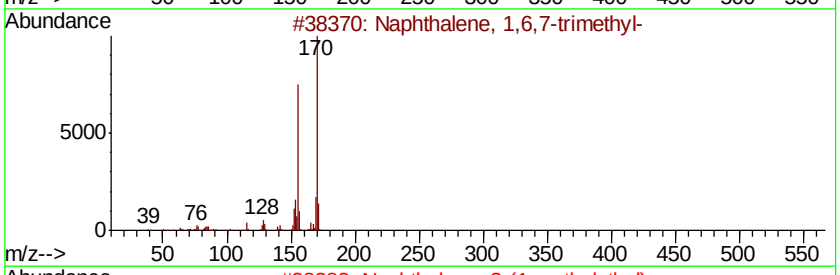
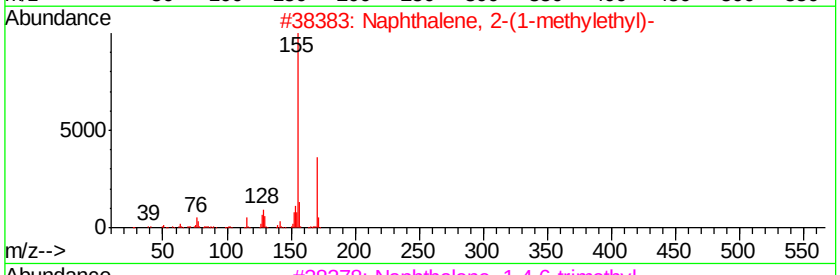
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

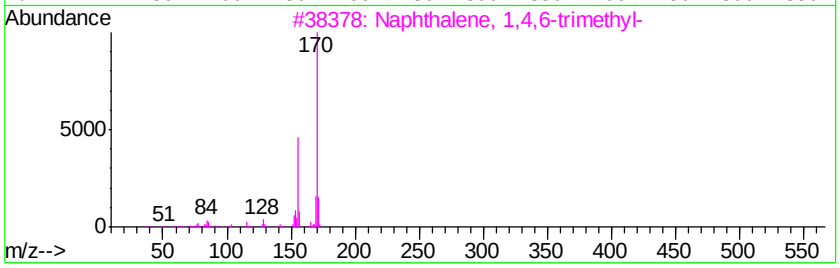
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	15.84 ng	3849460	Acenaphthene-d10	9.82

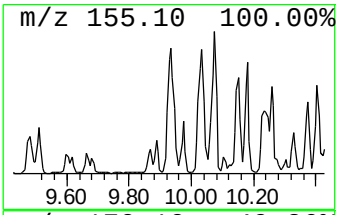
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72

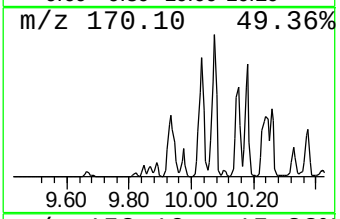


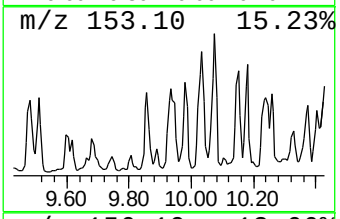


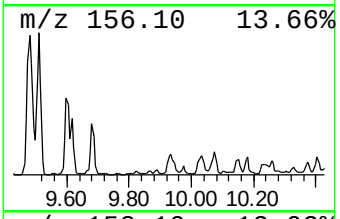


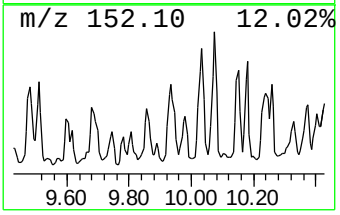












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Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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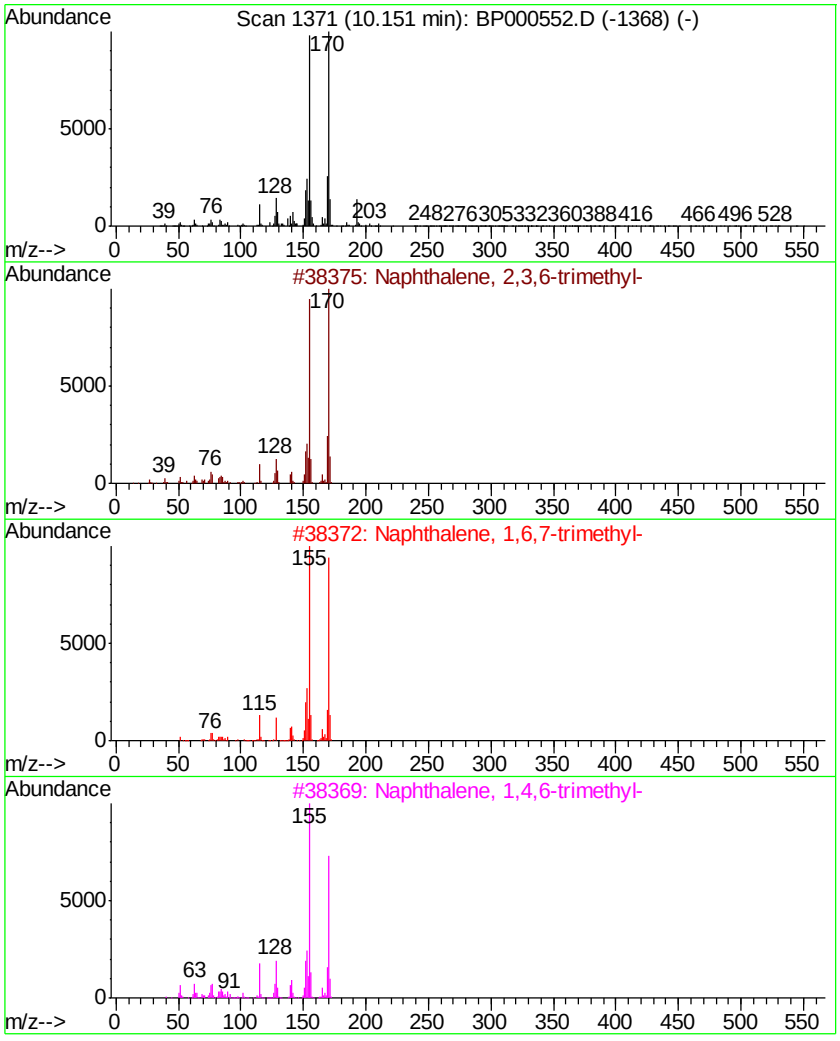
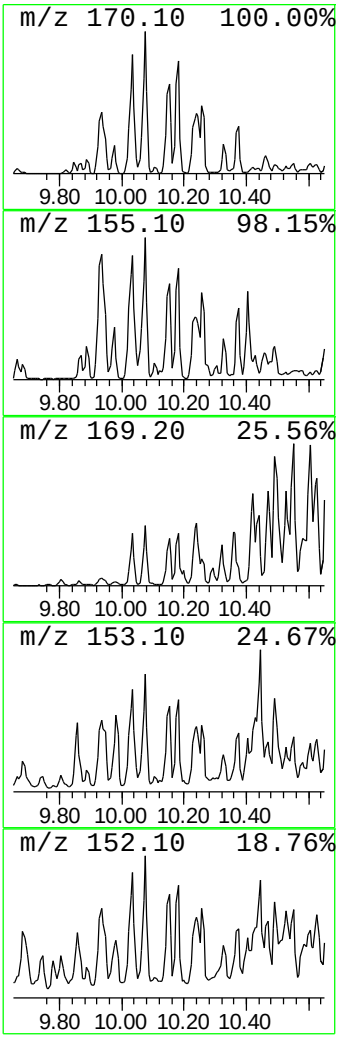
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	14.77 ng	3589690	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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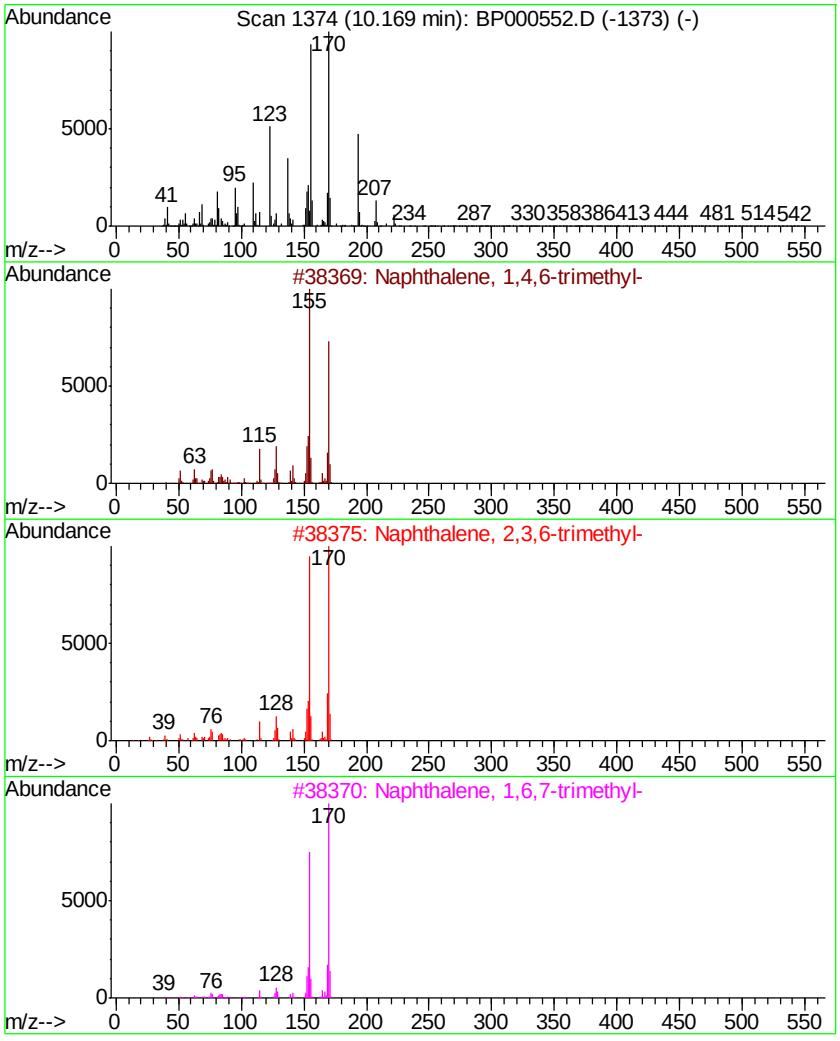
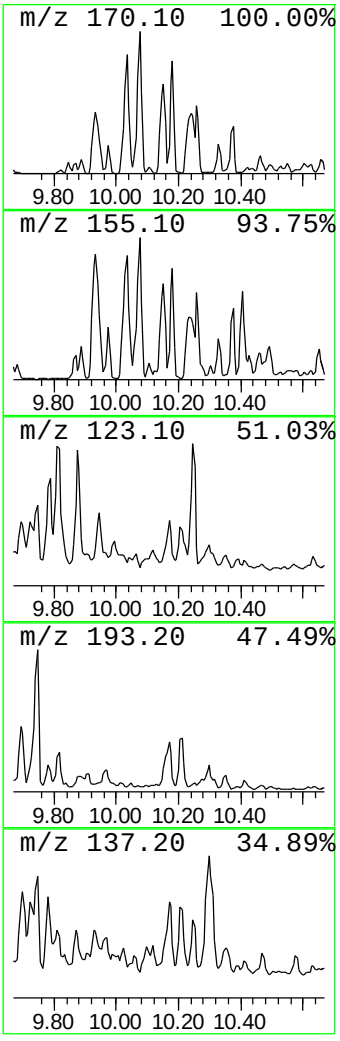
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	14.88 ng	3617770	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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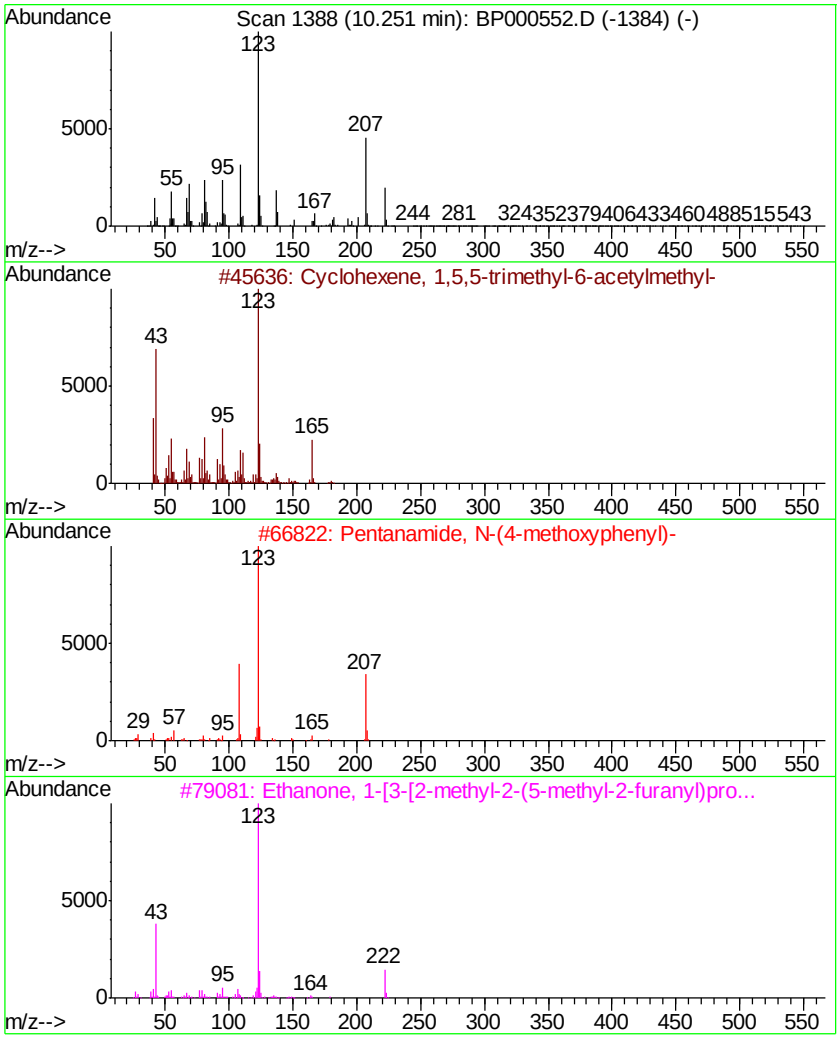
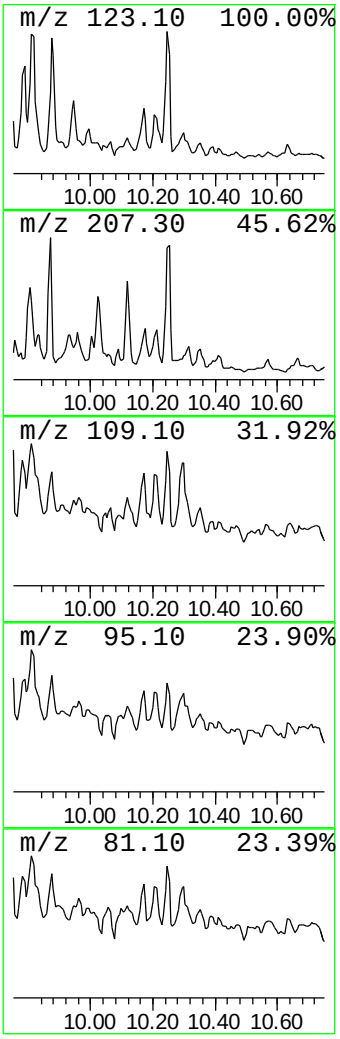
Peak Number 15 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	23.91 ng	5811640	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	47
2	Pentanamide, N-(4-methoxyphenyl)-	207	C12H17NO2	1000306-89-3	43
3	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	43
4	Pyridine, 1,2,3,6-tetrahydro-1-(...	153	C9H15NO	057150-46-6	38
5	3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000279-04-9	37





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Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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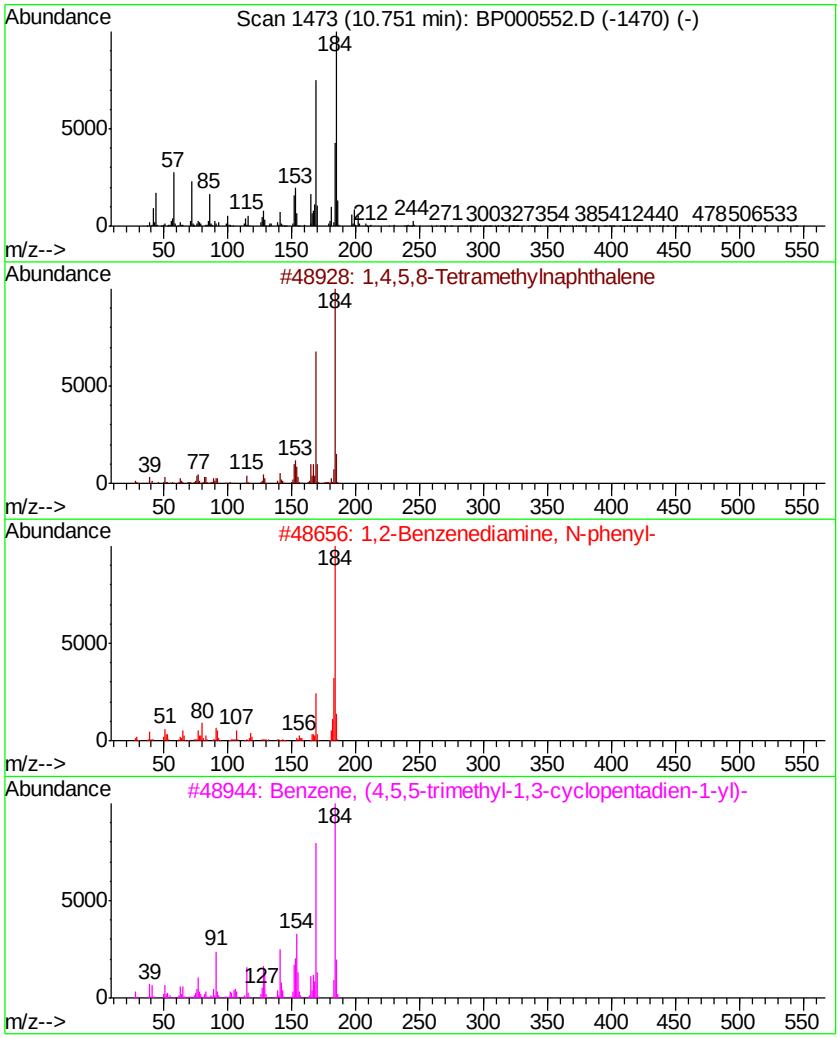
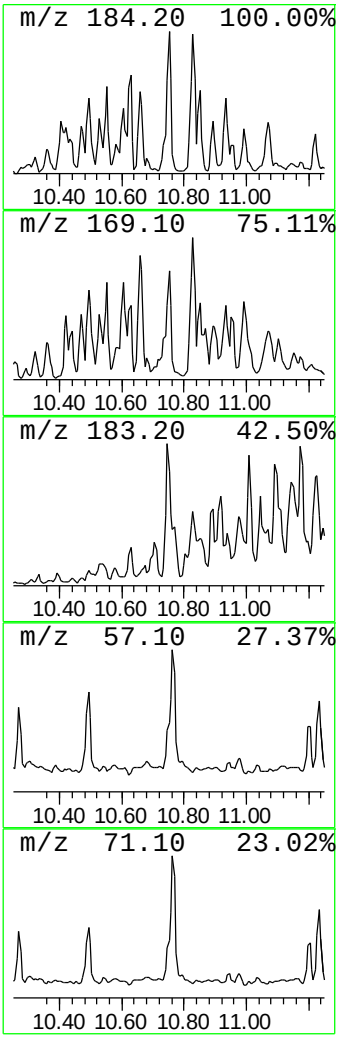
Peak Number 16 1,4,5,8-Tetramethylnaphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	88.71 ng	5355420	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	89
2	1,2-Benzenediamine, N-phenyl-	184	C12H12N2	000534-85-0	83
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	81
4	Chamazulene	184	C14H16	000529-05-5	72
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	64





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Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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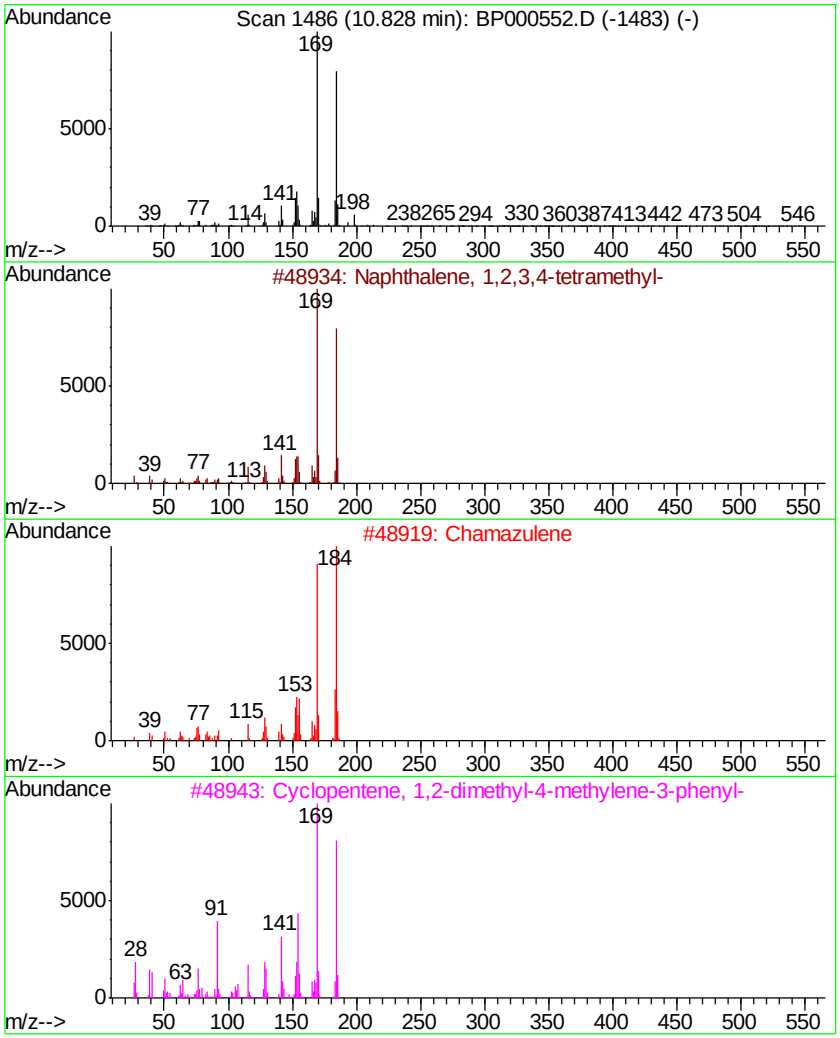
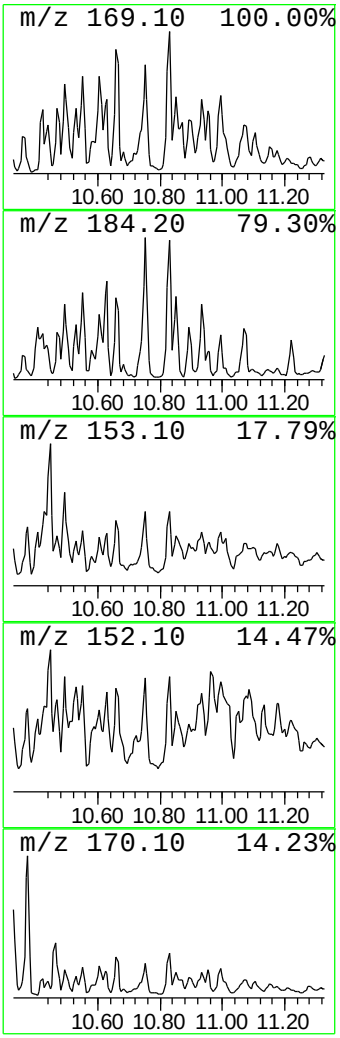
Peak Number 17 Naphthalene, 1,2,3,4-tetram... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	42.36 ng	2557050	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	91
2	Chamazulene	184	C14H16	000529-05-5	90
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	87
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	83
5	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	80





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Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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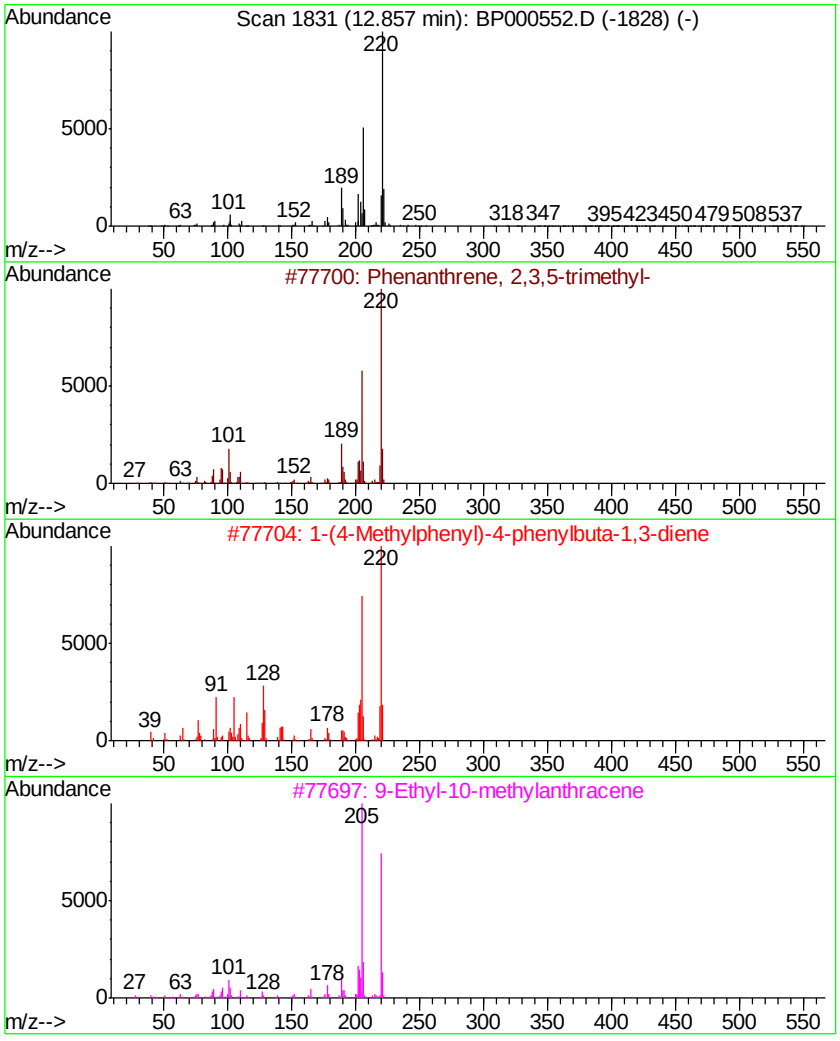
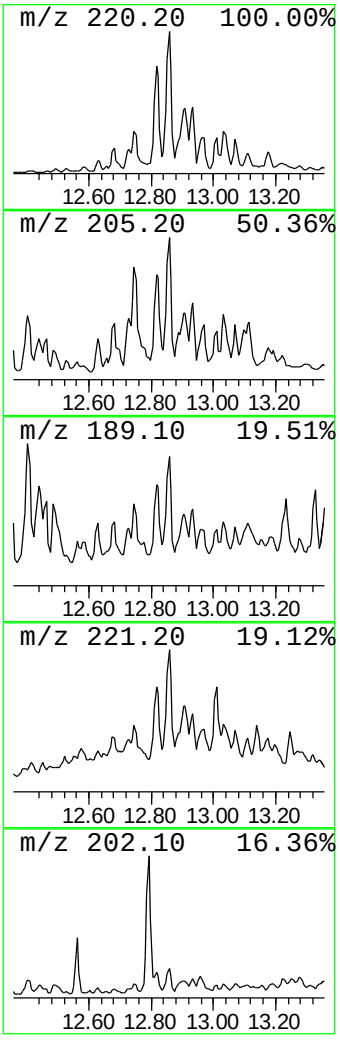
Peak Number 18 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	24.60 ng	2920160	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	83
3	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	64
4	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	64
5	Chrom-6-ol-4-one, 2,3-dihydroxy-...	220	C13H16O3	084945-26-6	59





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Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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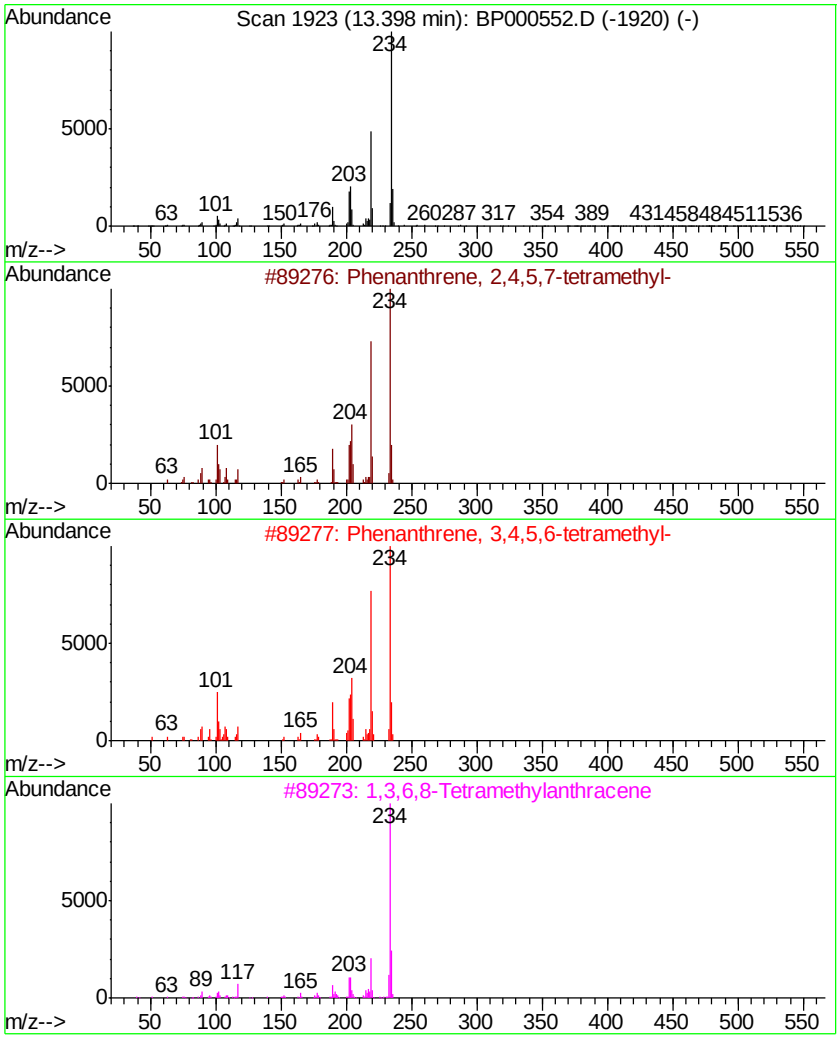
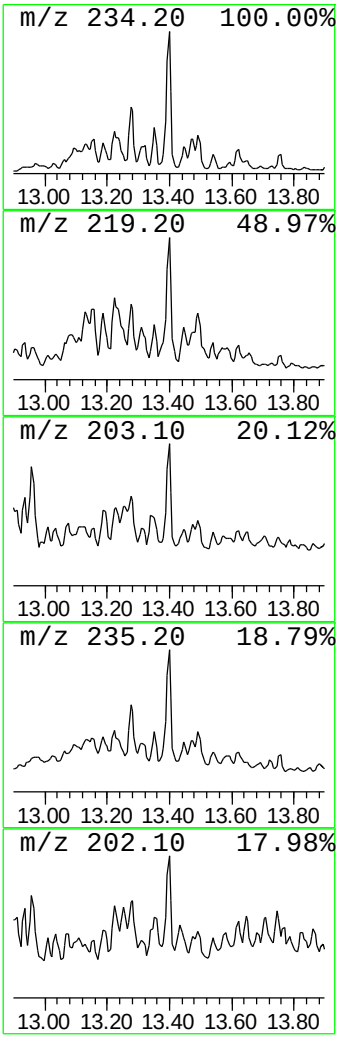
Peak Number 19 Phenanthrene, 2,4,5,7-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	20.00 ng	2374360	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	87
2	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	72
3	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	70
4	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	64
5	2,4-Diamino-5,6,7,8-tetrahydro-6...	234	C11H14N4S	042159-83-1	64





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Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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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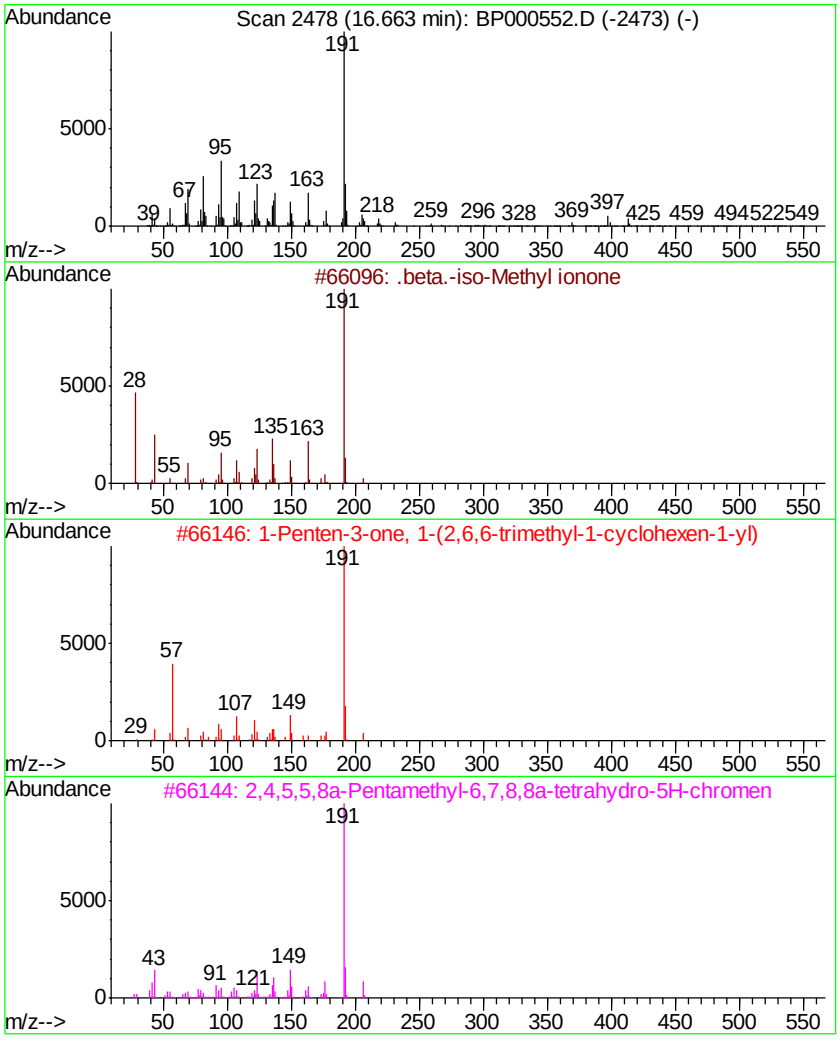
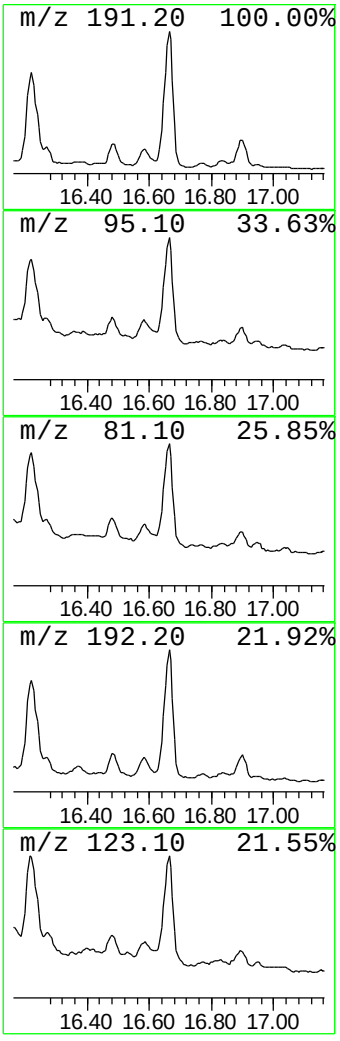
Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	20.00 ng	8617000	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	76
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	70
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	59
4	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	50
5	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP100719\
Data File : BP000552.D
Acq On : 07 Oct 2019 18:56
Operator : JU
Sample : K5213-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-3(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
unknown6.53	6.53	31.0	ng	2348050	1	6.76	1515130	20.0
Naphthalene, deca...	7.16	8.8	ng	666477	1	6.76	1515130	20.0
unknown8.35	8.35	12.7	ng	2555760	2	8.05	4014190	20.0
Benzene, (3-methy...	8.52	11.6	ng	2321680	2	8.05	4014190	20.0
S-Phenyl 5-(pheny...	9.22	19.2	ng	4665920	3	9.82	4861170	20.0
Naphthalene, 1,6-...	9.41	21.1	ng	5131870	3	9.82	4861170	20.0
Naphthalene, 2,3-...	9.49	18.8	ng	4556970	3	9.82	4861170	20.0
Naphthalene, 2,6-...	9.51	9.9	ng	2416740	3	9.82	4861170	20.0
Borinic acid, die...	9.54	23.2	ng	5634520	3	9.82	4861170	20.0
Naphthalene, 1,3-...	9.60	17.6	ng	4267460	3	9.82	4861170	20.0
Naphthalene, 1,6,...	9.93	15.8	ng	3849460	3	9.82	4861170	20.0
Naphthalene, 2,3,...	10.15	14.8	ng	3589690	3	9.82	4861170	20.0
Naphthalene, 1,4,...	10.17	14.9	ng	3617770	3	9.82	4861170	20.0
unknown	10.25	23.9	ng	5811640	3	9.82	4861170	20.0
1,4,5,8-Tetrameth...	10.75	88.7	ng	5355420	4	11.33	1207350	20.0
Naphthalene, 1,2,...	10.83	42.4	ng	2557050	4	11.33	1207350	20.0
Phenanthrene, 2,3...	12.86	24.6	ng	2920160	5	14.01	2374360	20.0
Phenanthrene, 2,4...	13.40	20.0	ng	2374360	5	14.01	2374360	20.0
.beta.-iso-Methyl...	16.66	20.0	ng	8617000	6	15.51	8617000	20.0