LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115922.D
Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	28	rVB	677872	931717	32.53%	2.299%
2	5.475	572	576	596	rBV	2438291	2378344	83.04%	5.868%
3	6.486	743	748	758	rBV	2414824	2512042	87.71%	6.198%
4	6.622	767	771	775	rBV	2821110	2505221	87.47%	6.181%
5	6.851	807	810	817	rVB	1084233	920571	32.14%	2.271%
6	7.010	833	837	840	rBV	2394453	2096687	73.20%	5.173%
7	7.128	852	857	860	rVB3	45051	61874	2.16%	0.153%
8	7.251	872	878	880	rBV3	45819	51495	1.80%	0.127%
9	7.410	901	905	908	rBV	1634936	1435978	50.14%	3.543%
10	7.498	916	920	923	rVB5	73239	113604	3.97%	0.280%
11	7.551	923	929	933	rBV5	38802	90702	3.17%	0.224%
12	7.633	940	943	945	rBV2	44574	36102	1.26%	0.089%
13	7.657	945	947	950	rVB	83890	70848	2.47%	0.175%
14	7.739	957	961	962	rBV2	34503	42797	1.49%	0.106%
15	7.775	965	967	971	rVB4	114358	101008	3.53%	0.249%
16	7.957	994	998	1002	rBV4	58906	79204	2.77%	0.195%
17	8.016	1003	1008	1010	rBV2	58303	86407	3.02%	0.213%
18	8.075	1015	1018	1019	rVV2	39909	42456	1.48%	0.105%
19	8.133	1023	1028	1032	rVV	1323069	1253289	43.76%	3.092%
20	8.198	1034	1039	1041	rVB2	170476	211608	7.39%	0.522%
21	8.222	1041	1043	1046	rBV3	65793	63398	2.21%	0.156%
22	8.292	1051	1055	1056	rBV3	62727	67250	2.35%	0.166%
23	8.339	1060	1063	1066	rVB2	99215	108402	3.78%	0.267%
24	8.428	1073	1078	1081	rVB4	195240	227127	7.93%	0.560%
25	8.457	1081	1083	1085	rBV2	50763	45661	1.59%	0.113%
26	8.486	1085	1088	1090	rBV2	49803	46147	1.61%	0.114%
27	8.522	1090	1094	1097	rVB4	86306	96152	3.36%	0.237%
28	8.563	1097	1101	1103	rBV	518596	482851	16.86%	1.191%
29	8.645	1111	1115	1117	rBV2	87398	92922	3.24%	0.229%
30	8.680	1117	1121	1123	rBV4	126758	142761	4.98%	0.352%
31	8.745	1127	1132	1134	rBV5	63800	109263	3.81%	0.270%
32	8.769	1134	1136	1138	rBV2	62191	59333	2.07%	0.146%
33	8.828	1143	1146	1149	rVB2	230809	256816	8.97%	0.634%
34	8.886	1153	1156	1158	rBV3	105963	88470	3.09%	0.218%

LSC Area Percent Report

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

35	8.927	1158	1163	1165	rBV5	102201	192697	6.73%	0.475%
36	8.963	1167	1169	1171	rVV2	87741	73665	2.57%	0.182%
37	9.016	1176	1178	1181	rBV4	94958	110883	3.87%	0.274%
38	9.045	1181	1183	1187	rVB2	203019	189221	6.61%	0.467%
39	9.080	1187	1189	1191	rBV	73004	68694	2.40%	0.169%
40	9.104	1191	1193	1195	rBV4	60546	43468	1.52%	0.107%
41	9.133	1196	1198	1200	rVB3	63246	41067	1.43%	0.101%
42	9.163	1200	1203	1207	rBV	798667	729768	25.48%	1.801%
43	9.210	1207	1211	1216	rBV	3065898	2864135	100.00%	7.067%
44	9.298	1222	1226	1230	rBV4	245093	401106	14.00%	0.990%
45	9.339	1230	1233	1234	rBV3	102077	98219	3.43%	0.242%
46	9.410	1243	1245	1249	rVB4	102680	101298	3.54%	0.250%
47	9.486	1256	1258	1260	rVB3	157959	127352	4.45%	0.314%
48	9.527	1263	1265	1267	rVV2	97951	105946	3.70%	0.261%
49	9.551	1267	1269	1271	rVV2	212305	174758	6.10%	0.431%
50	9.575	1271	1273	1275	rVV3	143847	124418	4.34%	0.307%
51	9.616	1275	1280	1283	rVV2	1116997	1436317	50.15%	3.544%
52	9.639	1283	1284	1287	rVV2	160254	146336	5.11%	0.361%
53	9.669	1287	1289	1292	rVB3	120300	124174	4.34%	0.306%
54	9.763	1302	1305	1308	rBV5	154311	197253	6.89%	0.487%
55	9.804	1310	1312	1315	rVB3	264862	241270	8.42%	0.595%
56	9.869	1320	1323	1324	rBV3	159398	173904	6.07%	0.429%
57	9.892	1324	1327	1330	rVV	1513069	1326399	46.31%	3.273%
58	9.933	1332	1334	1336	rBV	86113	70314	2.45%	0.173%
59	9.998	1342	1345	1350	rVB	213801	229986	8.03%	0.567%
60	10.051	1350	1354	1356	rBV4	112547	173980	6.07%	0.429%
61	10.092	1358	1361	1366	rVV3	285606	361404	12.62%	0.892%
62	10.151	1366	1371	1378	rVB6	341544	582016	20.32%	1.436%
63	10.210	1378	1381	1384	rBV3	219239	280975	9.81%	0.693%
64	10.263	1388	1390	1394	rVB3	148955	158482	5.53%	0.391%
65	10.304	1394	1397	1402	rBV6	177804	220242	7.69%	0.543%
66	10.351	1403	1405	1408	rBV2	106206	103925	3.63%	0.256%
67	10.380	1408	1410	1415	rVB4	152481	188083	6.57%	0.464%
68	10.433	1416	1419	1421	rBV4	129246	165071	5.76%	0.407%
69	10.545	1433	1438	1442	rVB	915732	1012365	35.35%	2.498%
70	10.663	1456	1458	1459	rBV	128310	99233	3.46%	0.245%
71	10.680	1459	1461	1465	rVB	1387681	1184704	41.36%	2.923%

LSC Area Percent Report

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Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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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72	10.810	1479	1483	1490	rVB	1494794	1619693	56.55%	3.996%
73	11.021	1516	1519	1524	rVB4	265039	271472	9.48%	0.670%
74	11.098	1530	1532	1534	rBV2	72299	75811	2.65%	0.187%
75	11.139	1534	1539	1544	rVV6	171825	321552	11.23%	0.793%
76	11.274	1559	1562	1568	rVB	878666	974028	34.01%	2.403%
77	11.380	1577	1580	1583	rBV	1375244	1193111	41.66%	2.944%
78	11.627	1619	1622	1625	rVB2	234990	239863	8.37%	0.592%
79	11.992	1682	1684	1687	rVB4	119803	98443	3.44%	0.243%
80	12.357	1743	1746	1749	rBV	127636	132512	4.63%	0.327%
81	12.433	1755	1759	1762	rBV	97361	116302	4.06%	0.287%
82	12.592	1784	1786	1792	rVB3	55117	67655	2.36%	0.167%
83	12.751	1810	1813	1815	rBV2	44134	40598	1.42%	0.100%
84	12.821	1823	1825	1827	rBV	37246	32199	1.12%	0.079%
85	12.880	1832	1835	1839	rVB	71034	69840	2.44%	0.172%
86	12.963	1845	1849	1852	rBV	2433823	2202067	76.88%	5.433%
87	13.886	2002	2006	2021	rVB6	43240	130300	4.55%	0.321%
88	14.021	2025	2029	2041	rVB	890171	933743	32.60%	2.304%
89	14.792	2157	2160	2163	rVB2	33155	38942	1.36%	0.096%
90	15.127	2214	2217	2221	rVB	30365	32394	1.13%	0.080%
91	15.492	2273	2279	2293	rBV	764620	1032191	36.04%	2.547%
92	15.939	2351	2355	2360	rVB2	29618	40265	1.41%	0.099%
93	16.445	2436	2441	2446	rBV4	17736	35523	1.24%	0.088%

Sum of corrected areas: 40530139

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115922.D
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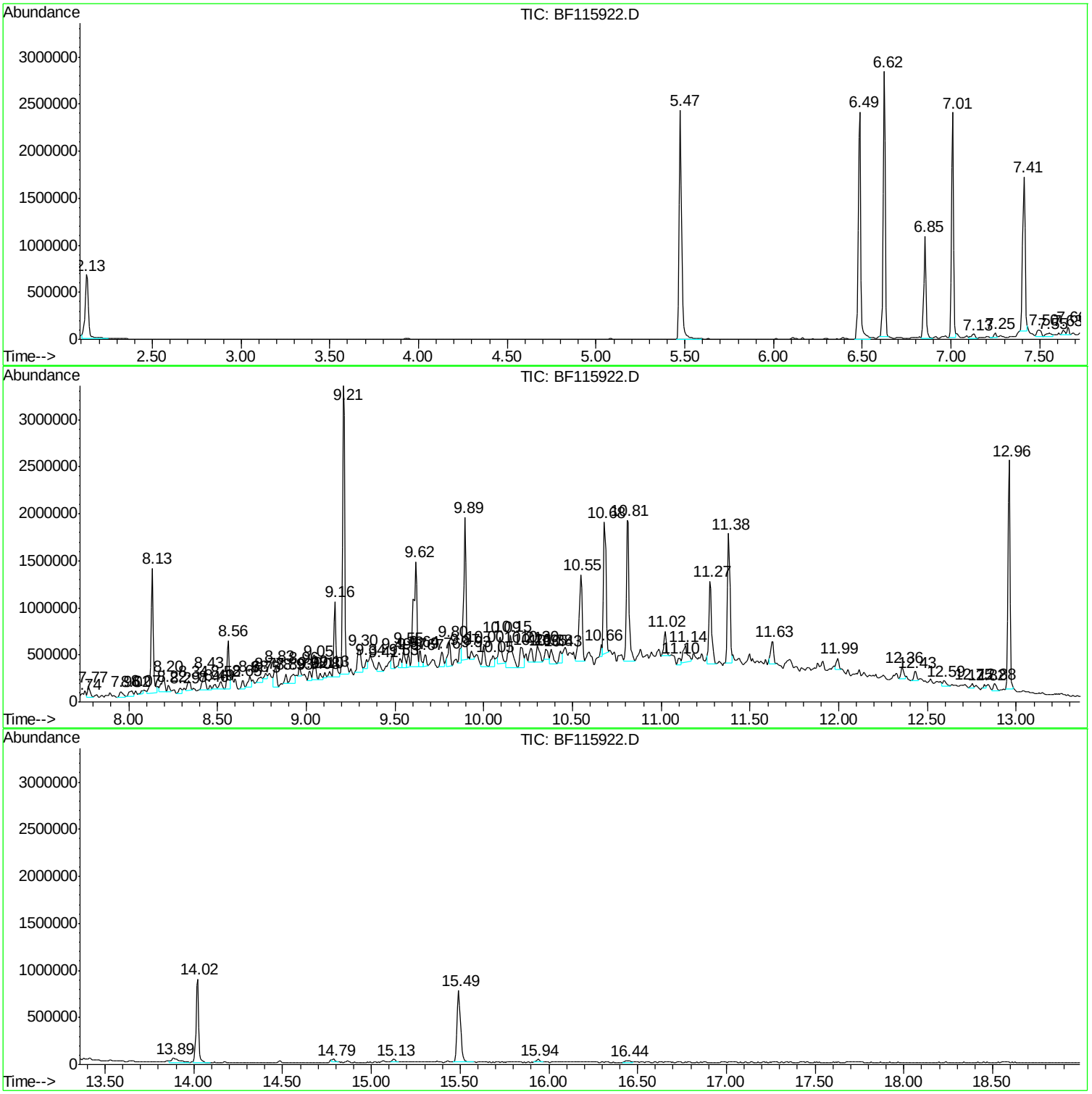
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115922.D
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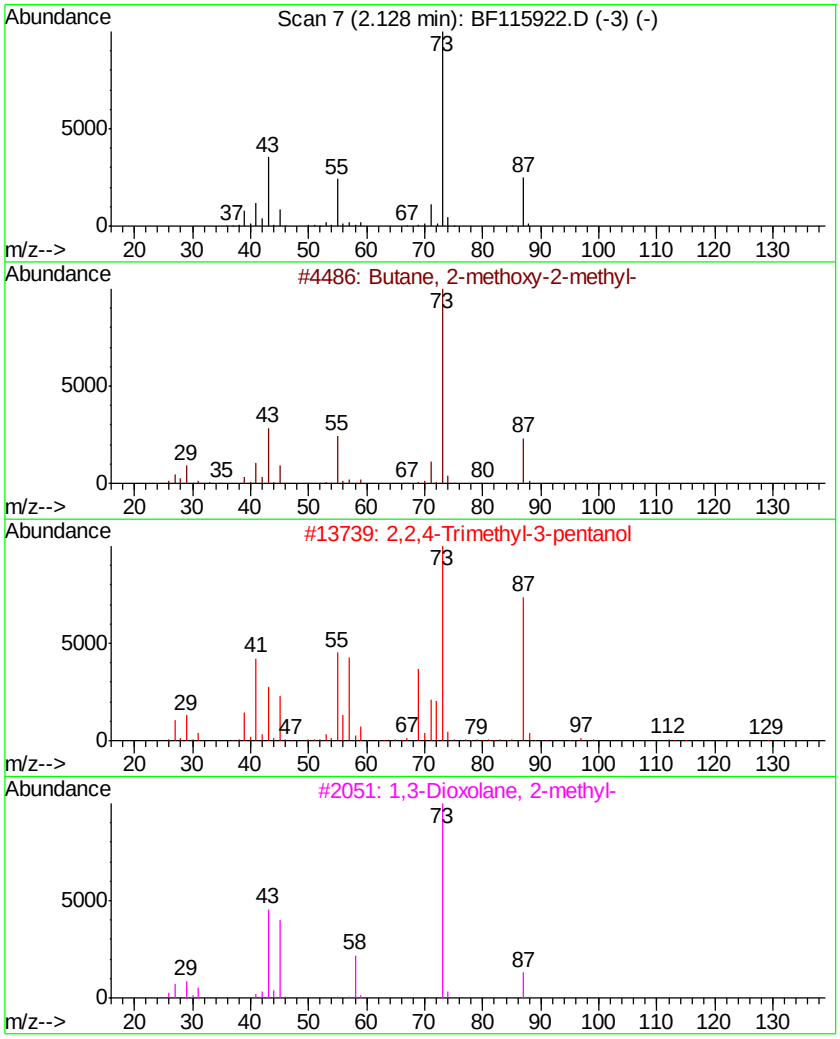
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

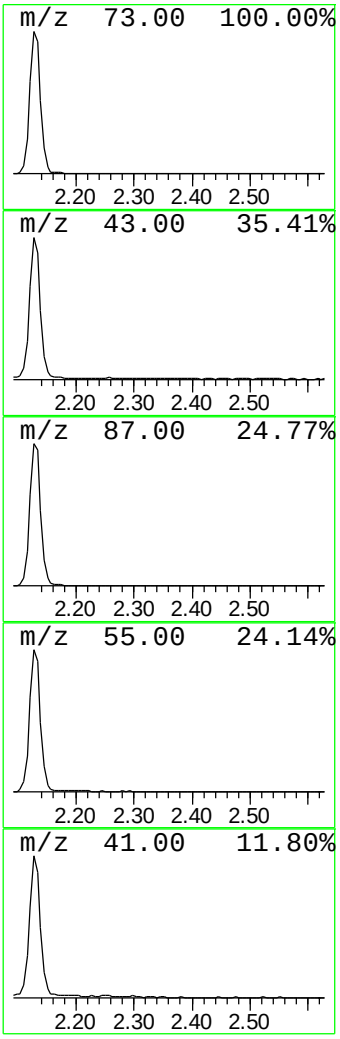
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	20.24 ng	931717	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

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ClientSampleId : TP-10

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

TIC Library : C:\DATABASE\NIST11.L
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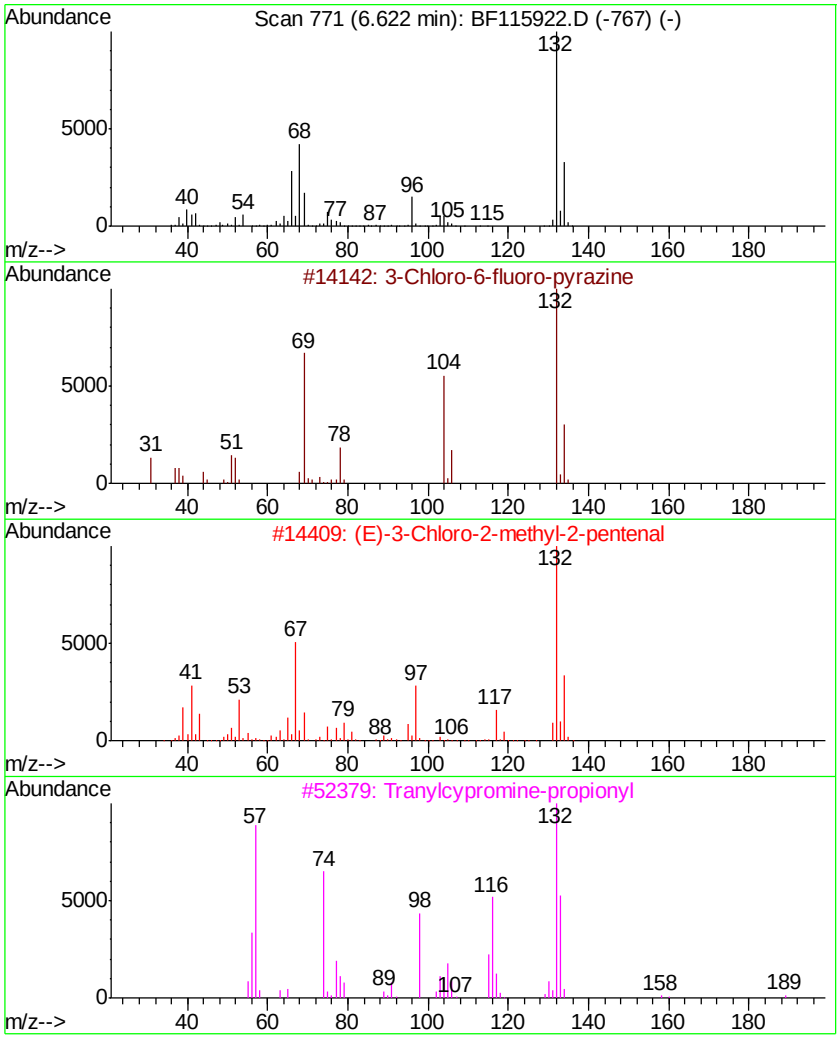
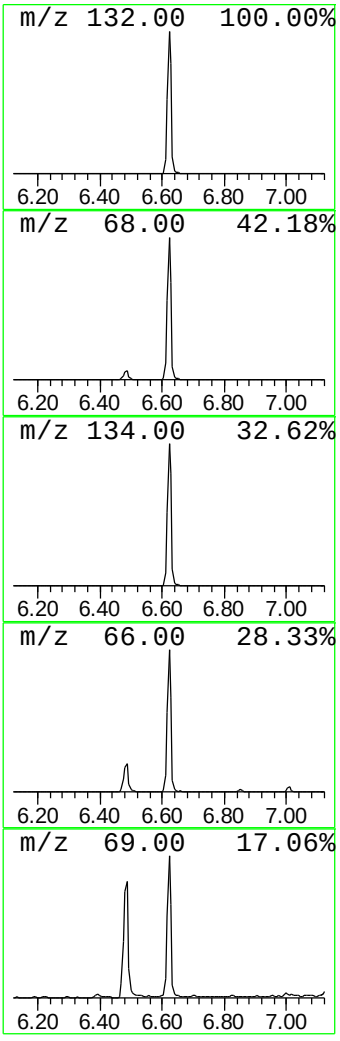
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	54.43 ng	2505220	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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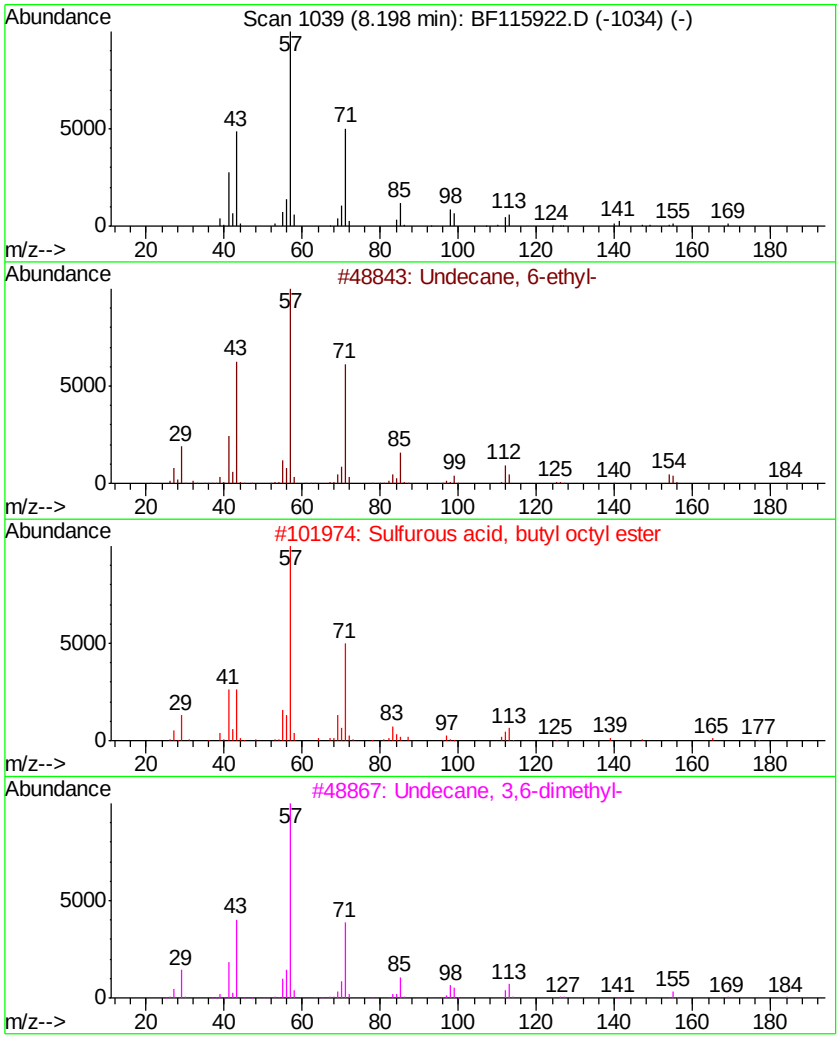
TIC Integration Parameters: LSCINT.P

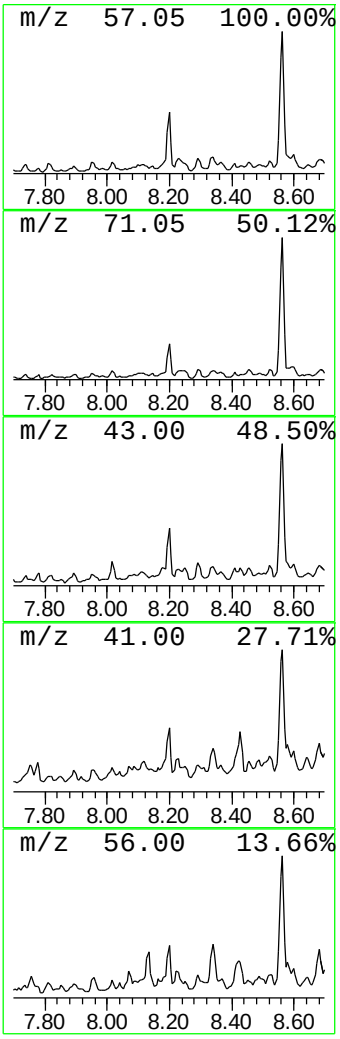
****

Peak Number 4 Undecane, 6-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.38 ng	211608	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
2	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59





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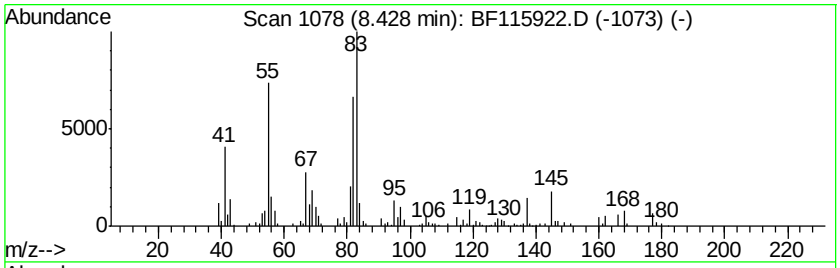
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

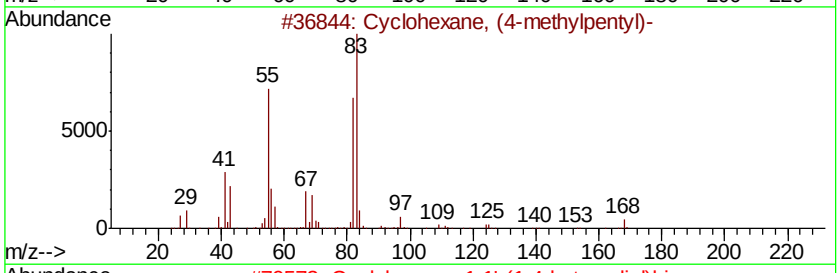
****

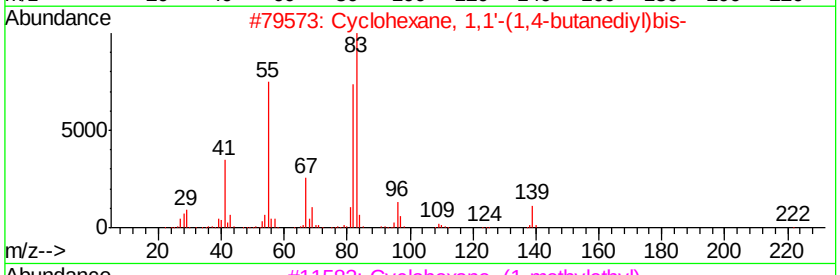
Peak Number 5 Cyclohexane, (4-methylpentyl)- Concentration Rank 17

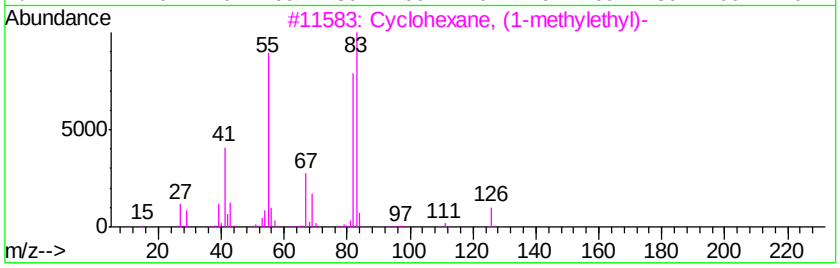
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.62 ng	227127	Naphthalene-d8	8.13

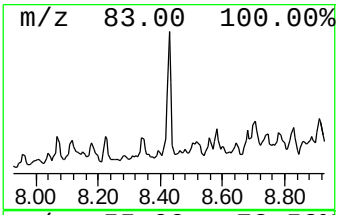
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	74
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59

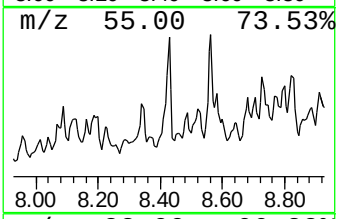


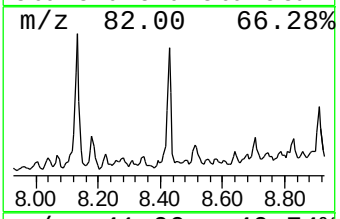


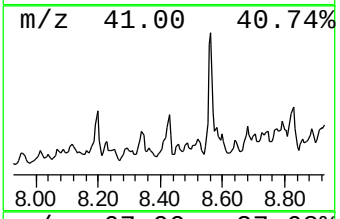


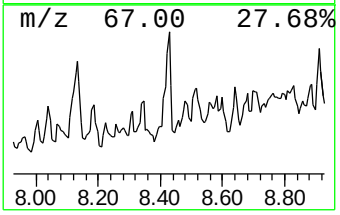












Library Search Compound Report

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Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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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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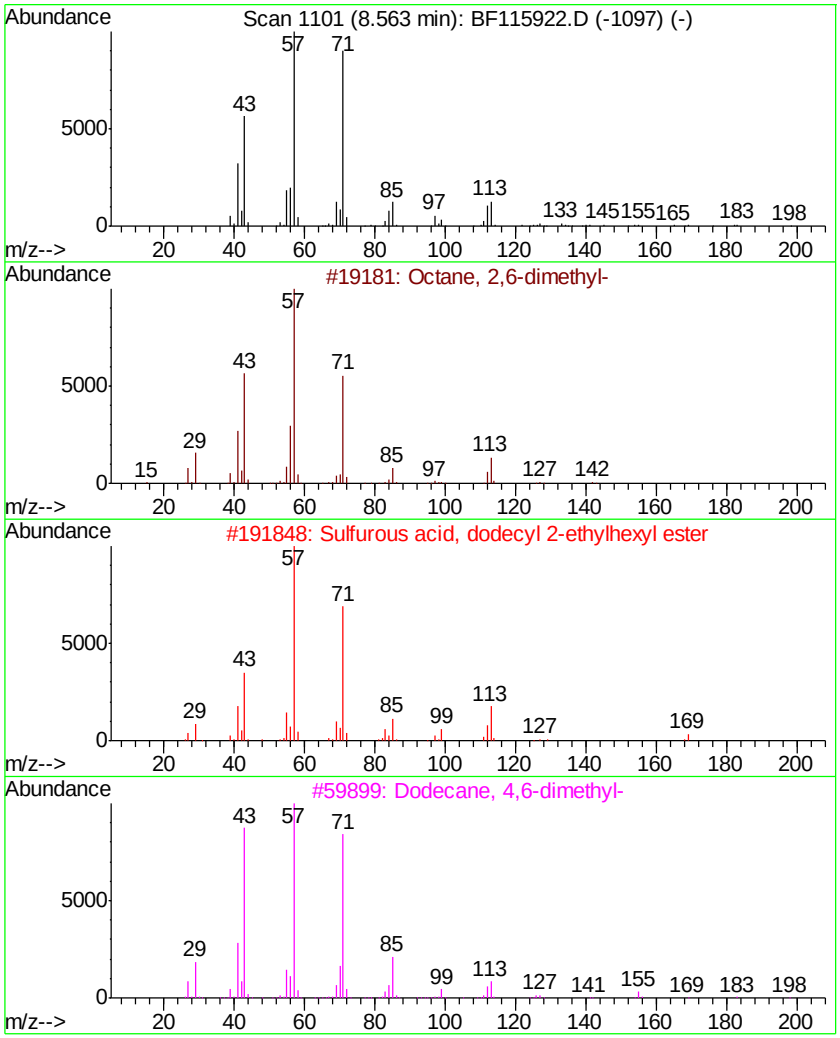
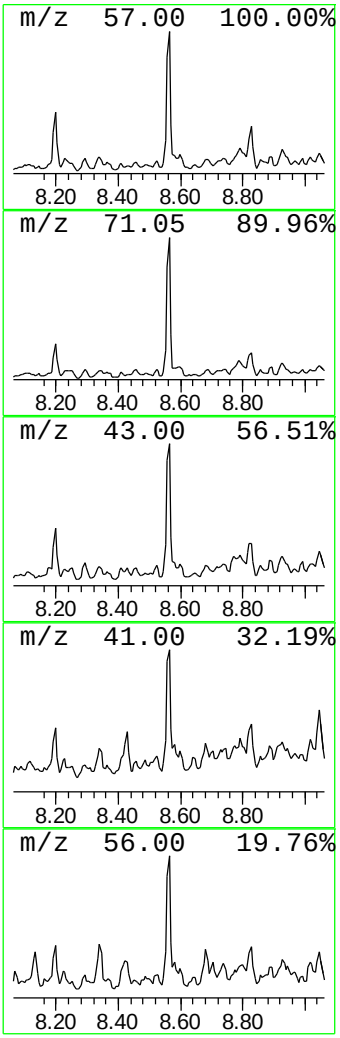
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	7.71 ng	482851	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	78
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	72
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72





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Instrument : BNA_F
ClientSampleId : TP-10

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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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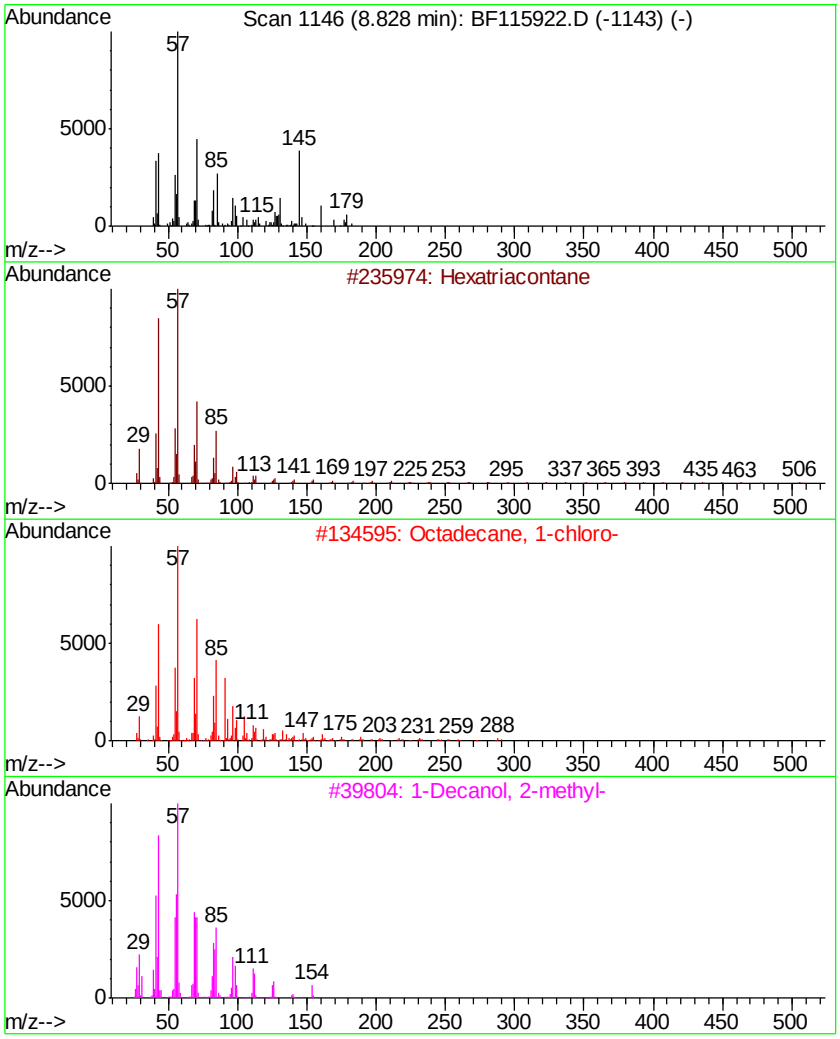
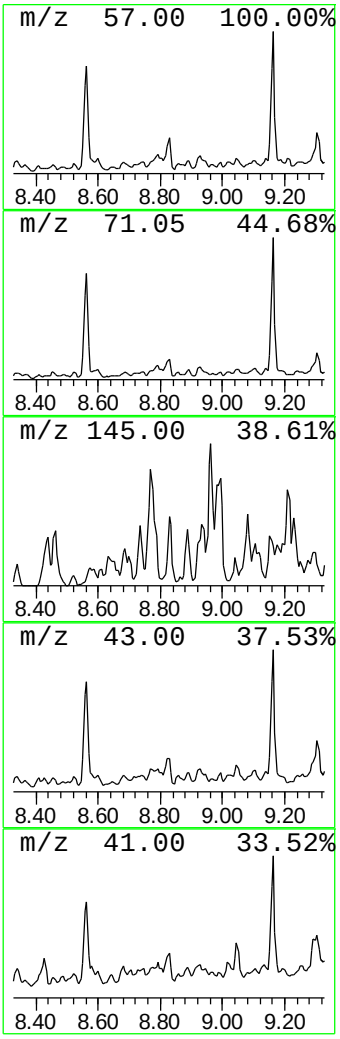
Peak Number 7 unknown8.83 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	4.10 ng	256816	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	43
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43
3	1-Decanol, 2-methyl-	172	C11H24O	018675-24-6	43
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	38
5	Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	38





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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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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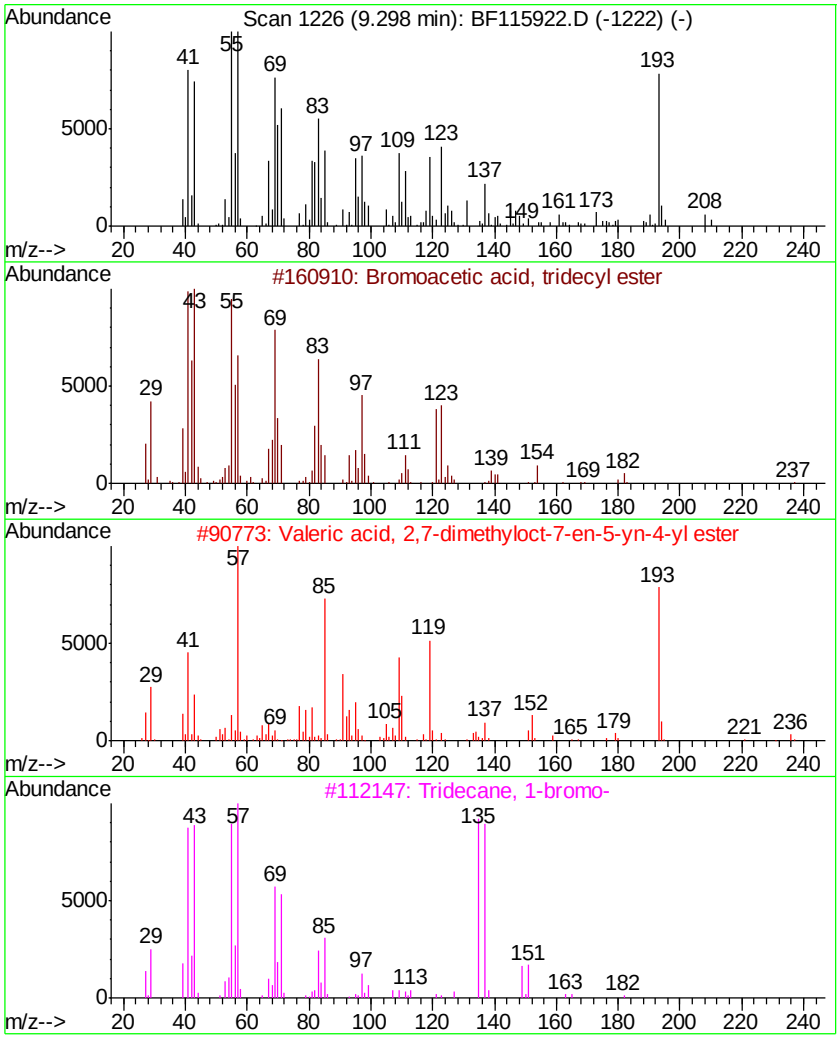
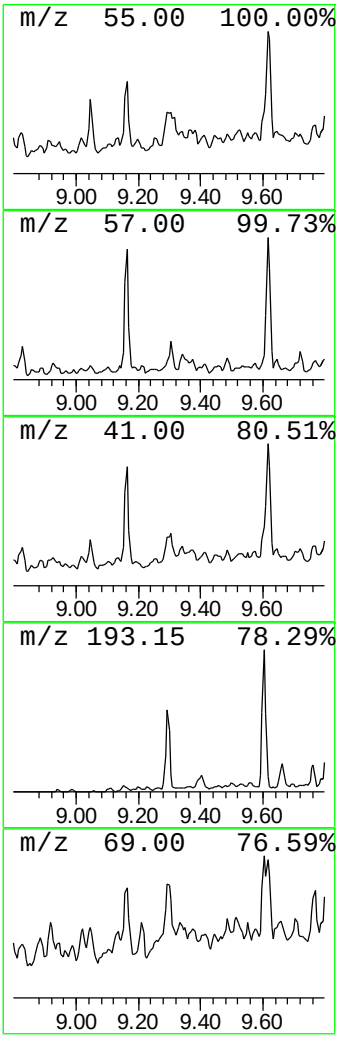
Peak Number 8 unknown9.30 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	6.05 ng	401106	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, tridecyl ester	320	C15H29BrO2	1000281-85-0	38
2	Valeric acid, 2,7-dimethyloct-7-...	236	C15H24O2	1000292-48-9	27
3	Tridecane, 1-bromo-	262	C13H27Br	000765-09-3	22
4	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	22
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	18





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Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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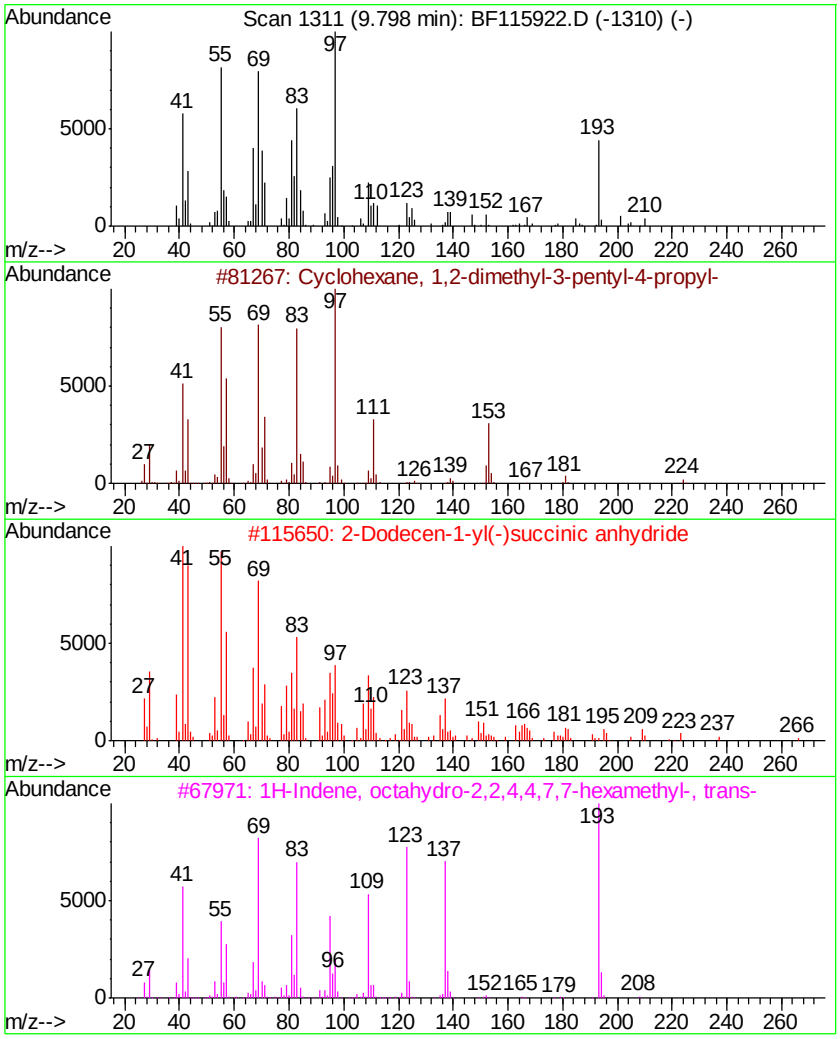
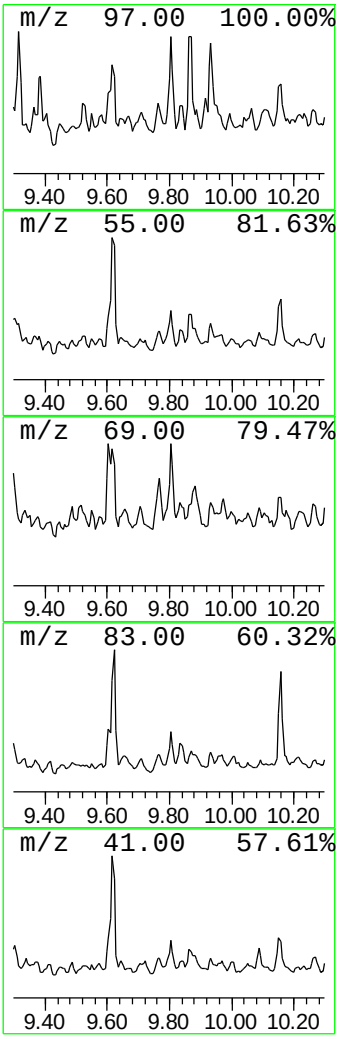
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1,2-dimethyl-3... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	3.64 ng	241270	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	62
2	2-Dodecen-1-yl(-)succinic anhydride	266	C16H26O3	019780-11-1	52
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	50
4	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	18
5	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-98-2	11





Library Search Compound Report

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Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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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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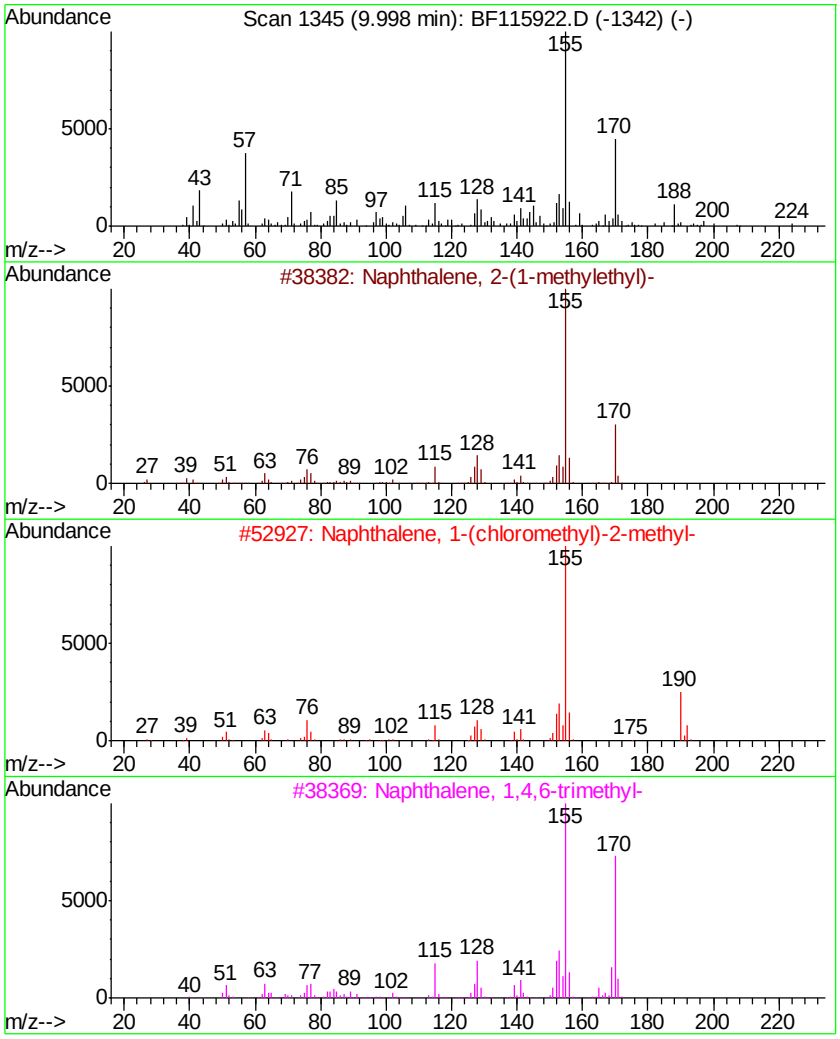
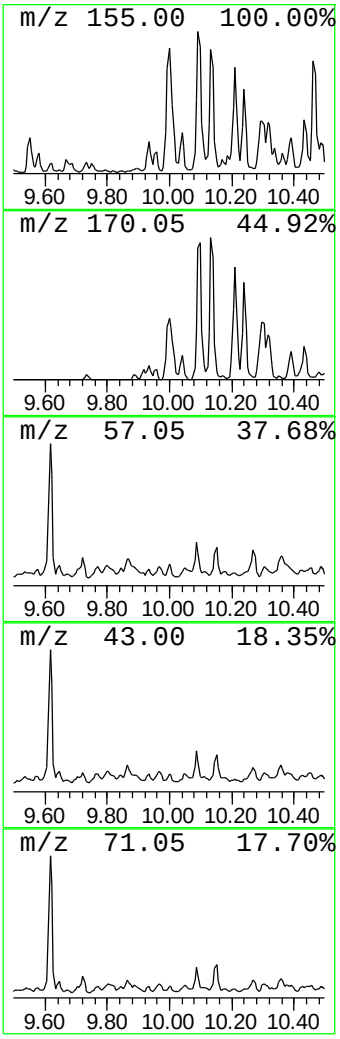
Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	3.47 ng	229986	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	86
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	62





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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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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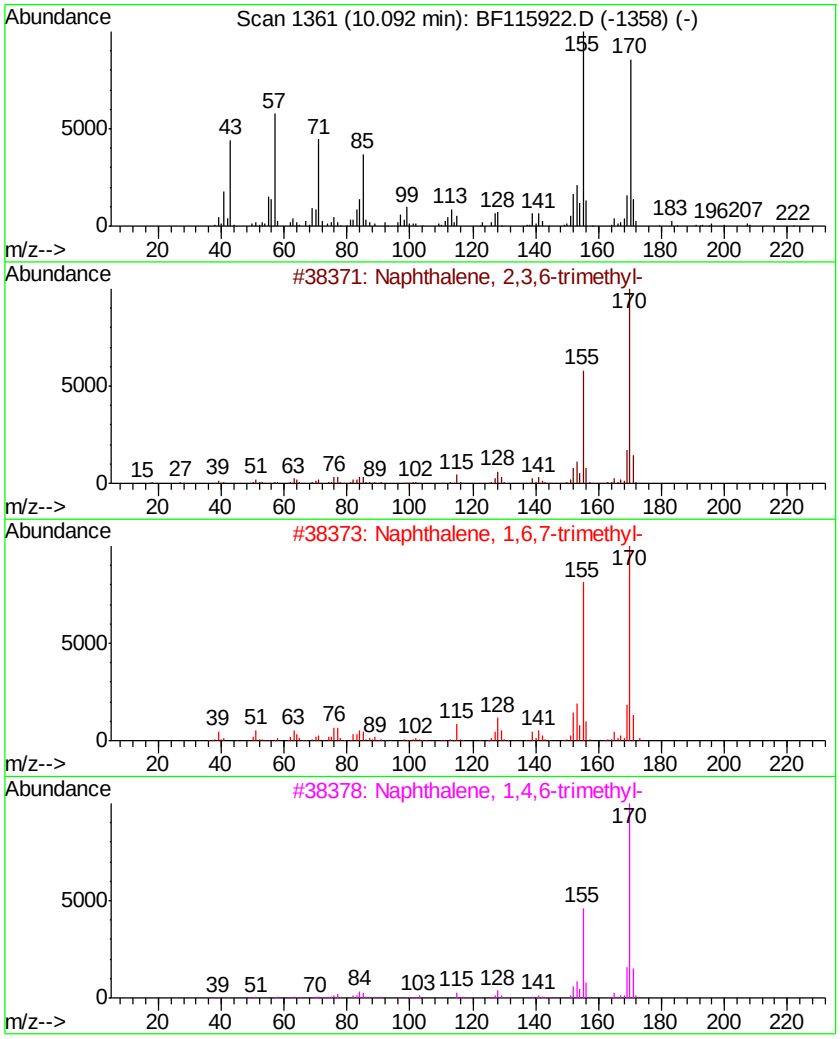
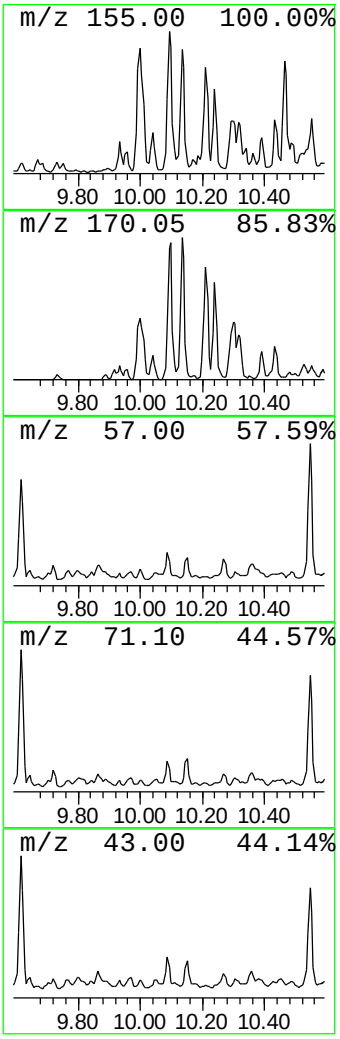
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	5.45 ng	361404	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	76
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	68





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Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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

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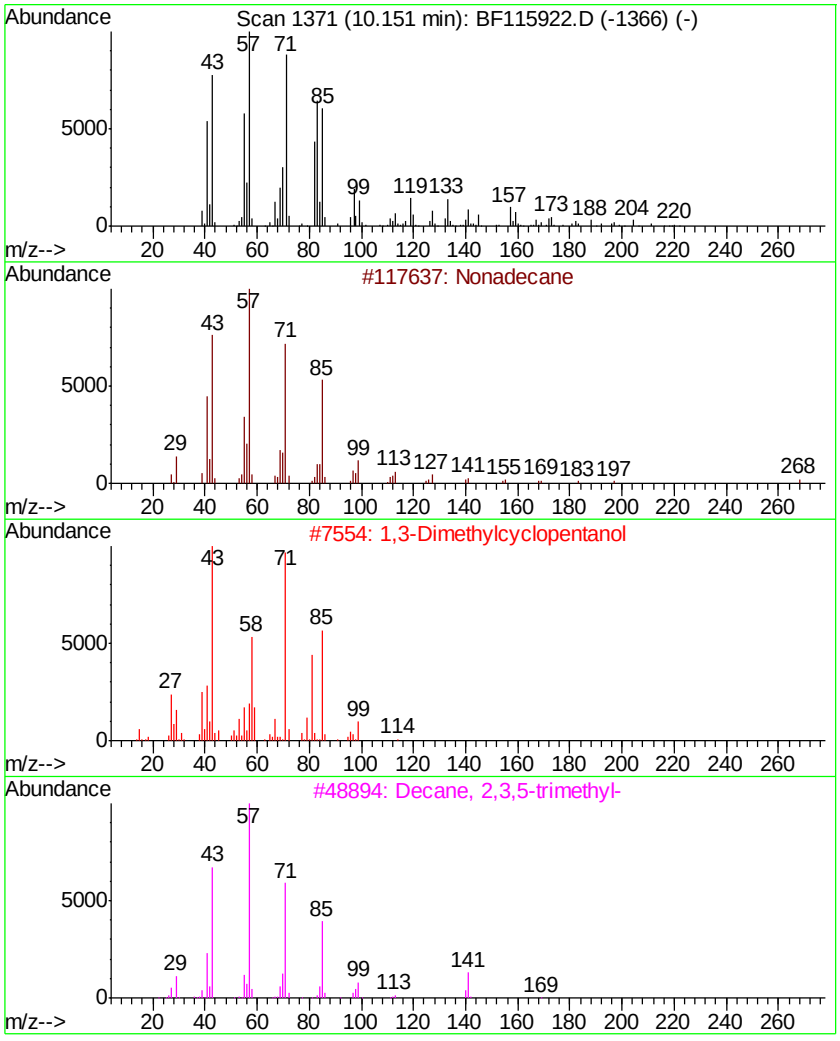
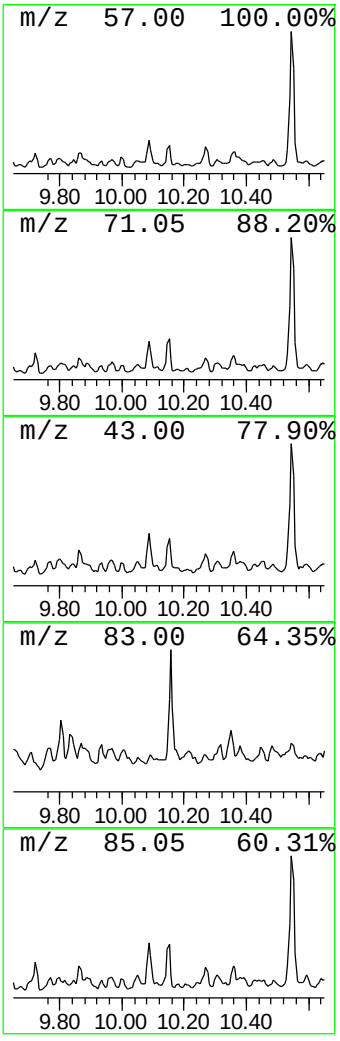
Peak Number 12 unknown10.15 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	8.78 ng	582016	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	49
2	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	45
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43
4	Hexadecane	226	C16H34	000544-76-3	43
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	38





Library Search Compound Report

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Sample : K4021-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-10

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

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

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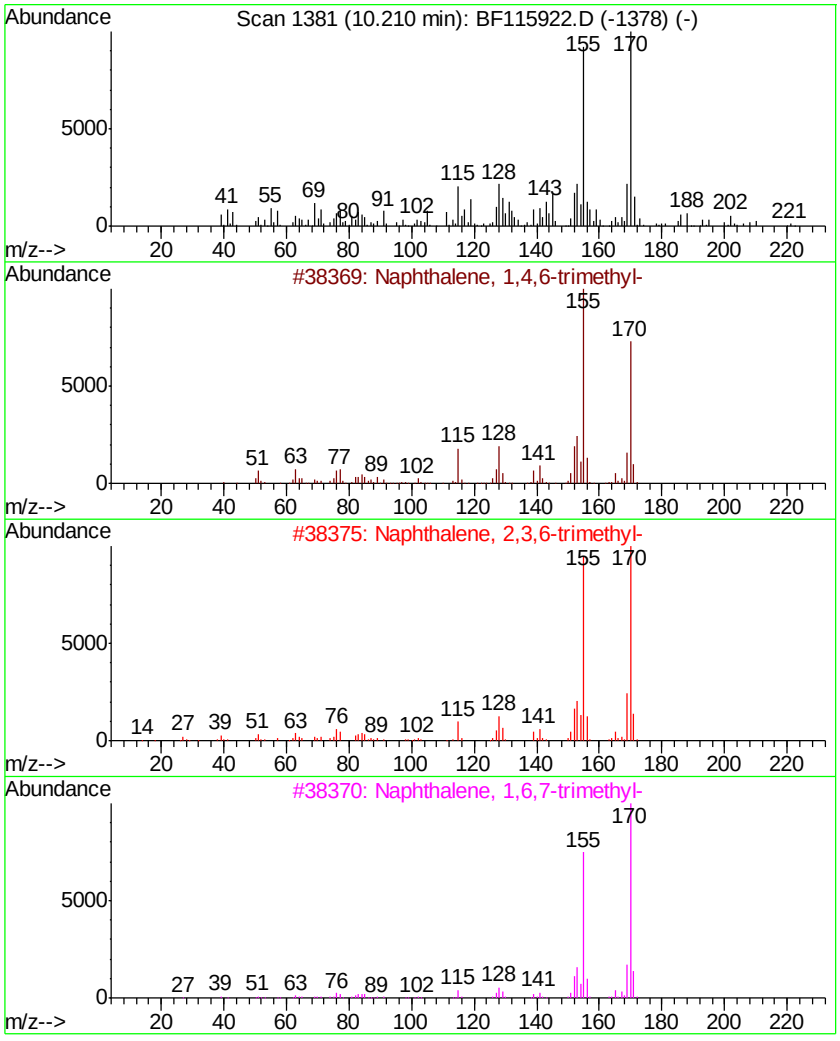
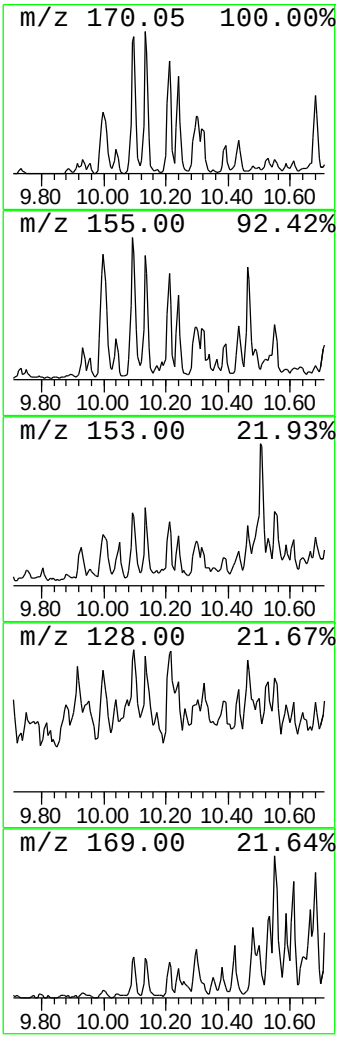
Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	4.24 ng	280975	Acenaphthene-d10	9.89

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	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93





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ClientSampleId : TP-10

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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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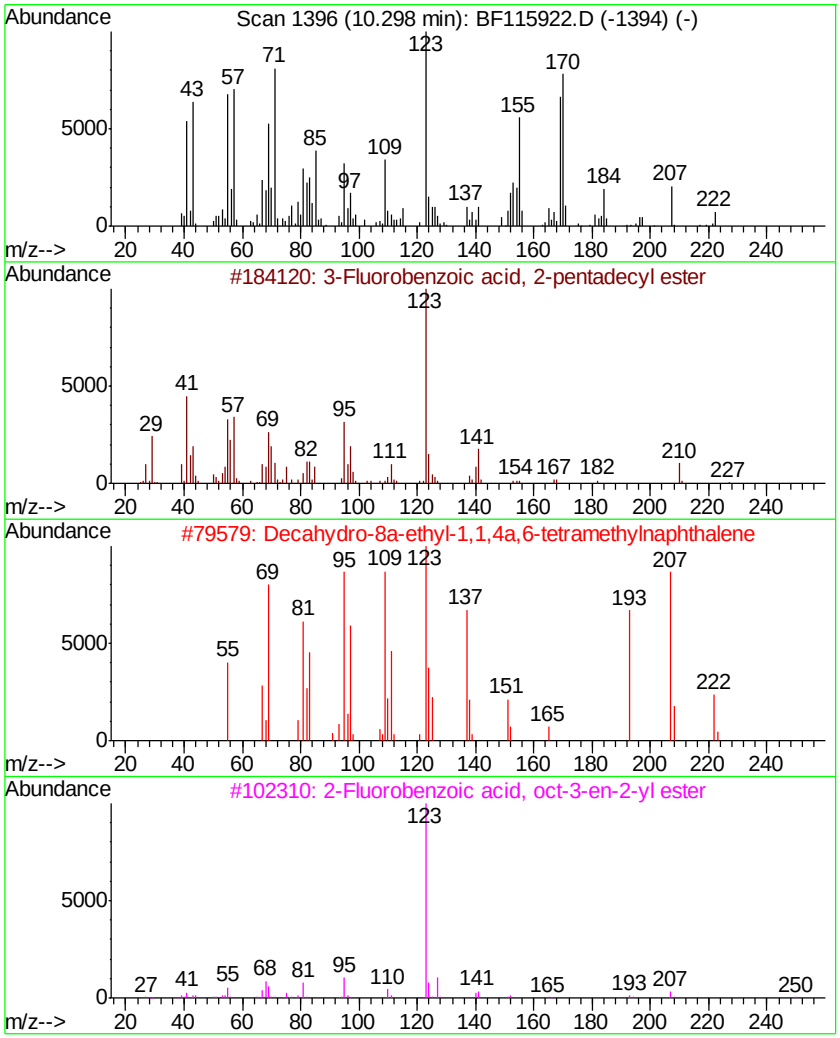
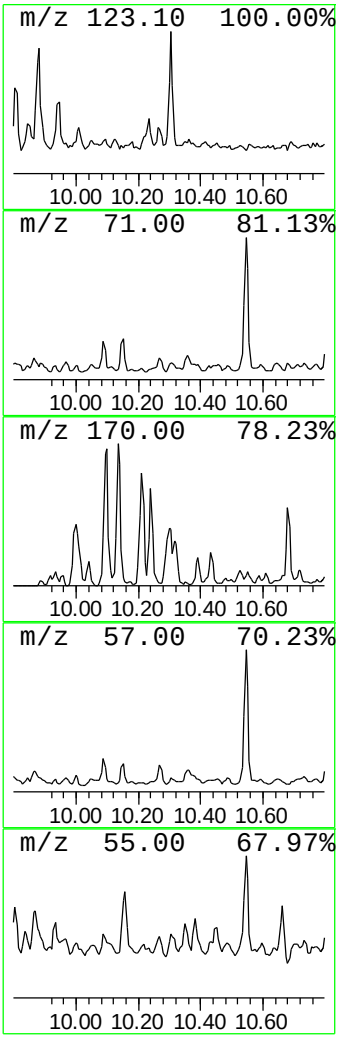
Peak Number 14 unknown10.30 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	3.32 ng	220242	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, 2-pentadec...	350	C22H35FO2	1000280-60-7	38
2	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	38
3	2-Fluorobenzoic acid, oct-3-en-2...	250	C15H19FO2	1000299-16-5	35
4	4,4-Dimethoxy-2,5-cyclohexadien-...	154	C8H10O3	000935-50-2	30
5	4-Fluorobenzoic acid, 4-tridecyl...	322	C20H31FO2	1000280-68-0	27





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ClientSampleId : TP-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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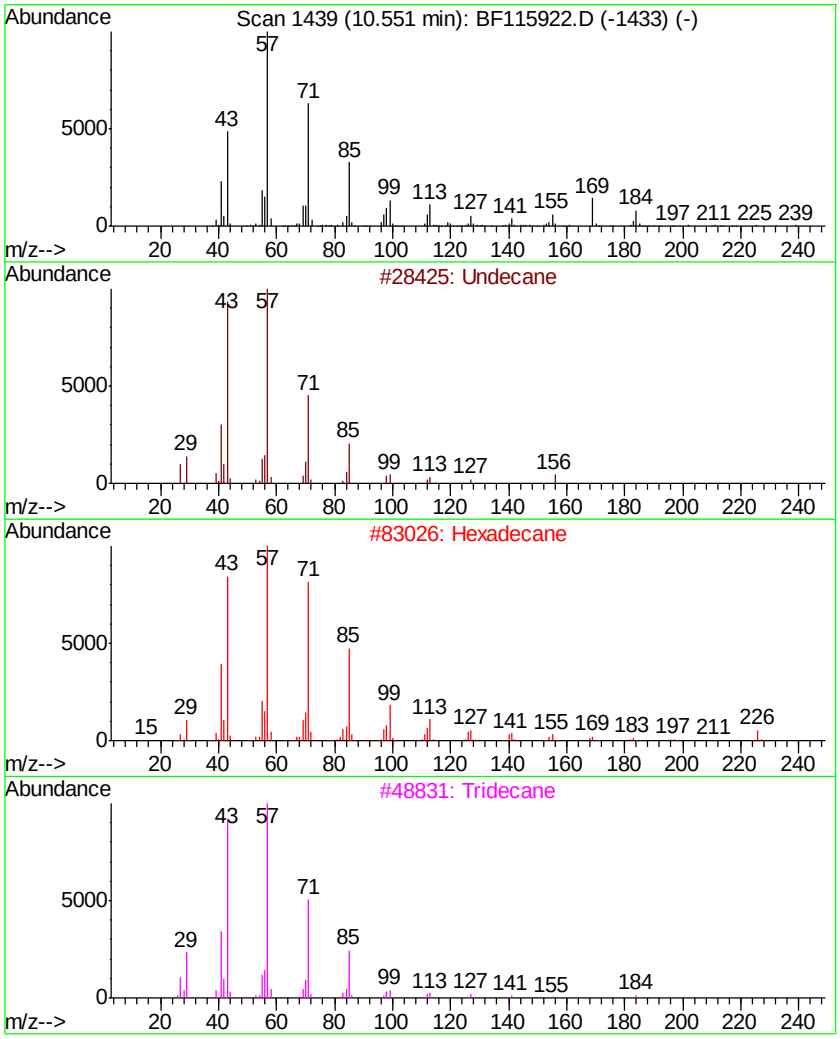
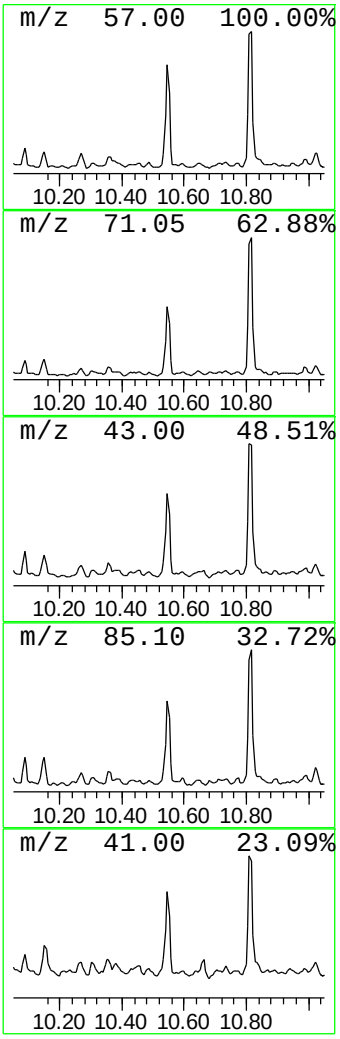
Peak Number 15 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	15.26 ng	1012370	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	87
2	Hexadecane	226	C16H34	000544-76-3	80
3	Tridecane	184	C13H28	000629-50-5	72
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64





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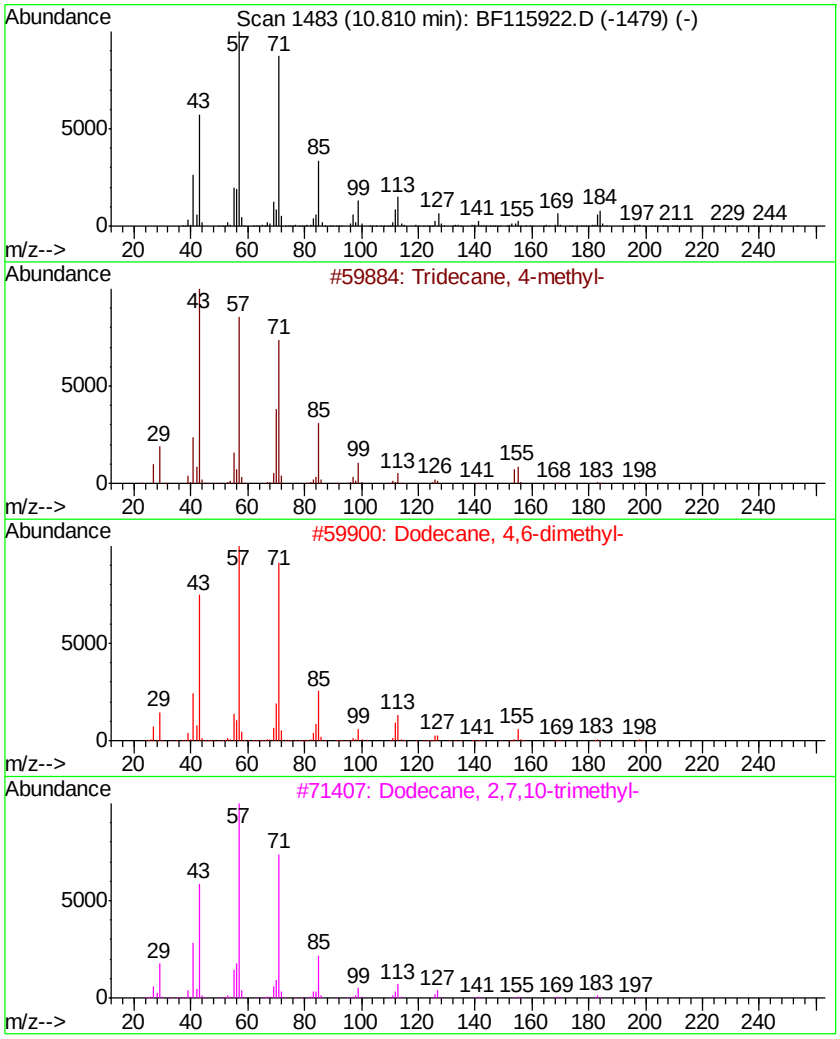
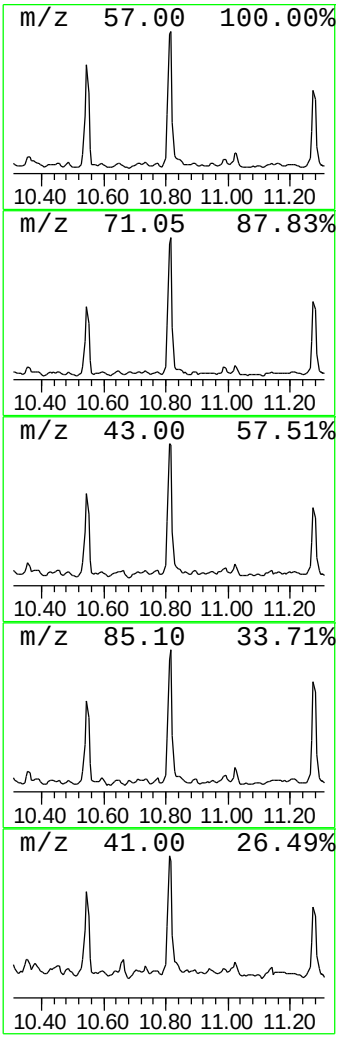
Peak Number 16 Tridecane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	27.15 ng	1619690	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64





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Data File : BF115922.D
Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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

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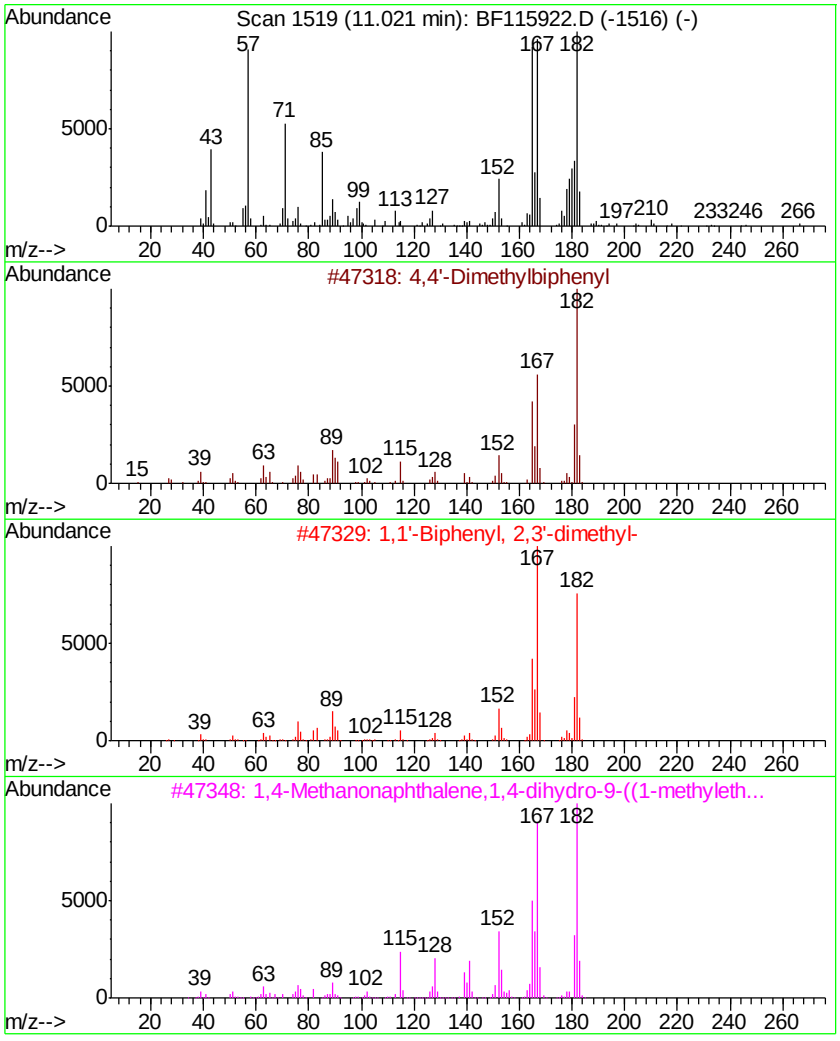
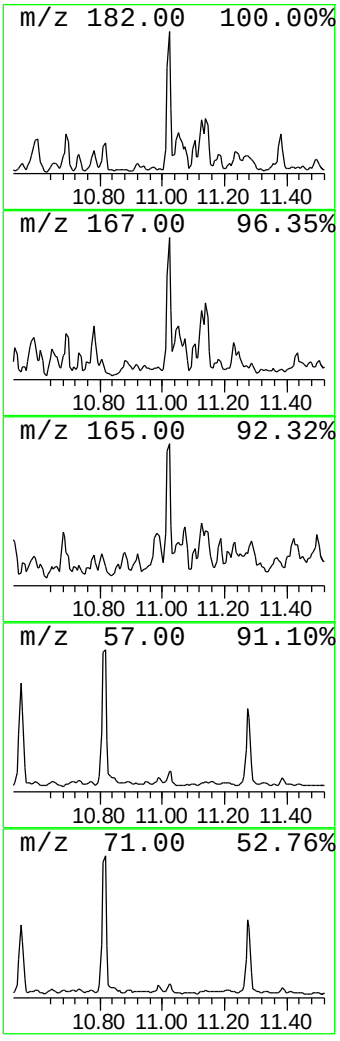
Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	4.55 ng	271472	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	64
3	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	62
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	58
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	55





Library Search Compound Report

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Data File : BF115922.D
Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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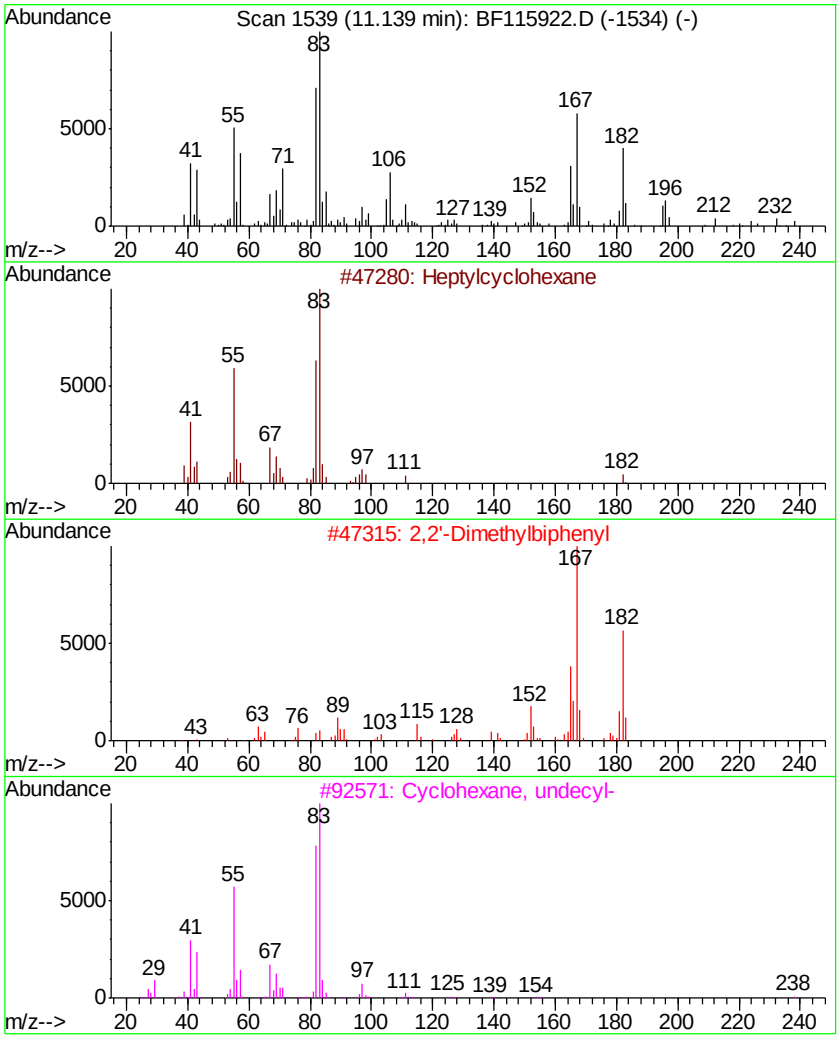
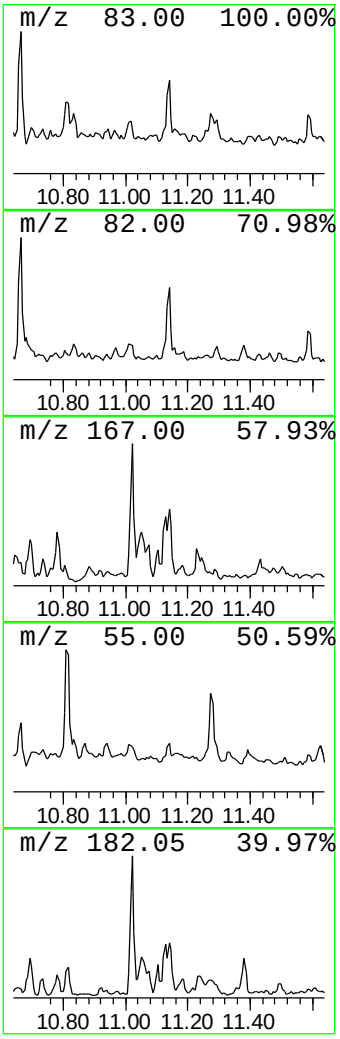
Peak Number 18 Heptylcyclohexane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	5.39 ng	321552	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	53
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	47
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	46
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	46
5	Cyclohexane, decyl-	224	C16H32	001795-16-0	41





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Data File : BF115922.D
Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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

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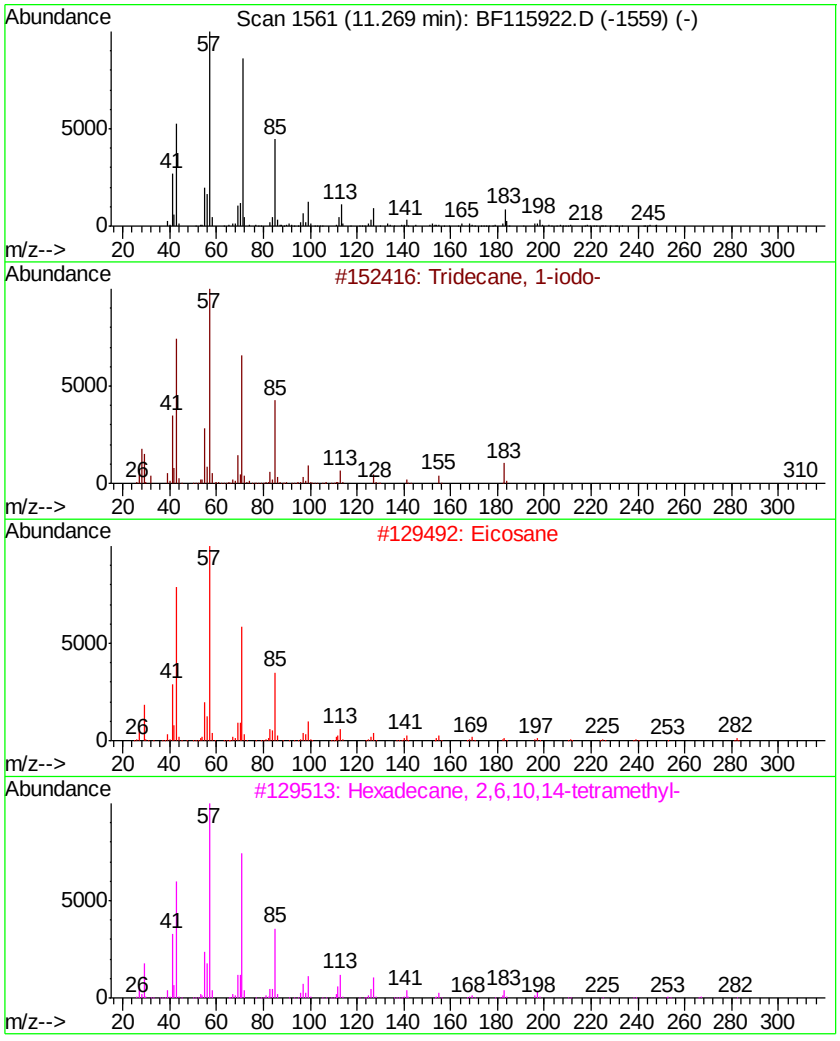
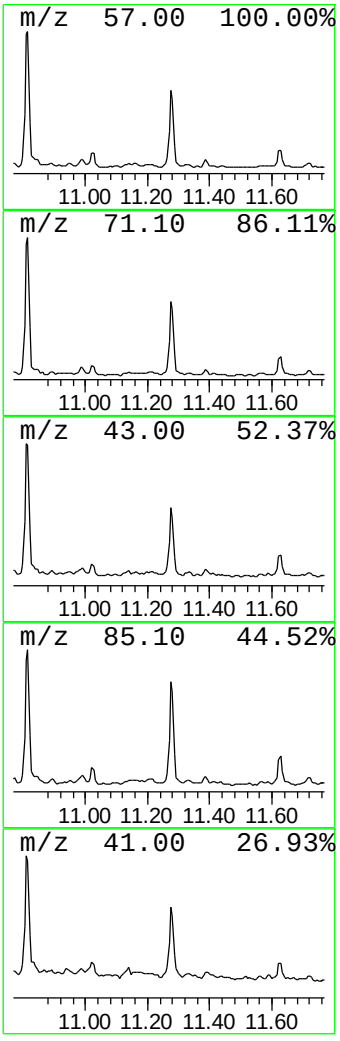
Peak Number 19 Tridecane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	16.33 ng	974028	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	80
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	80





Library Search Compound Report

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Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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

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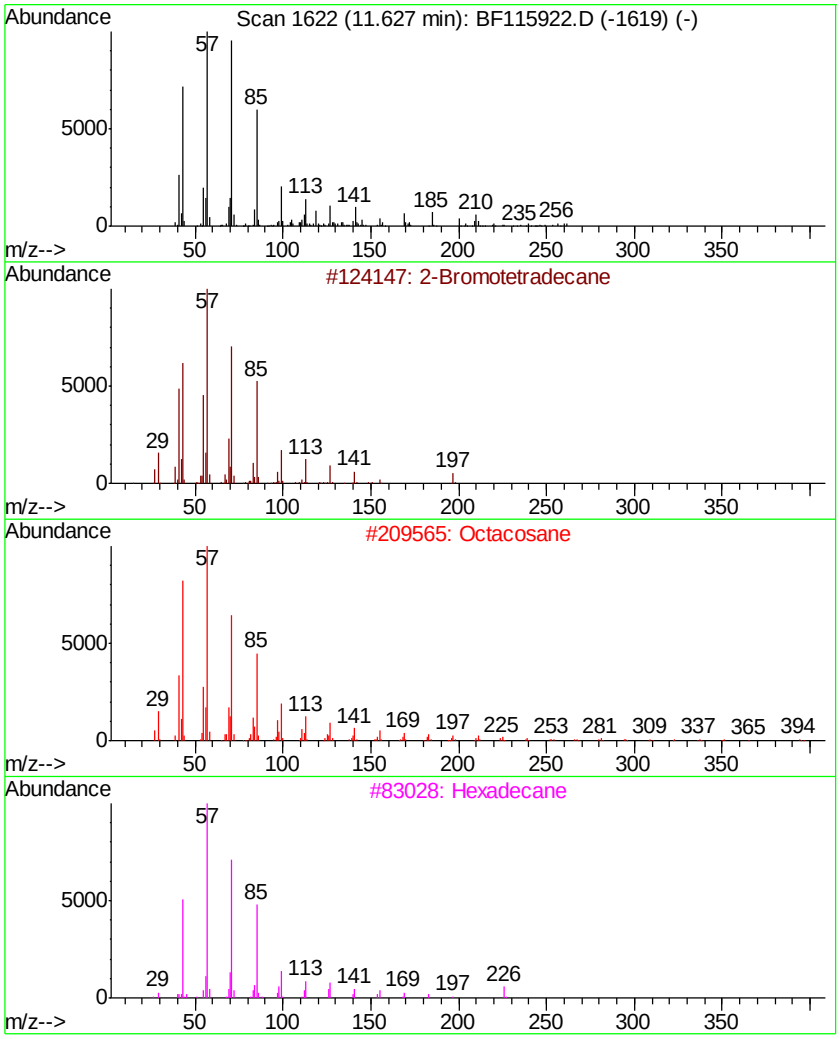
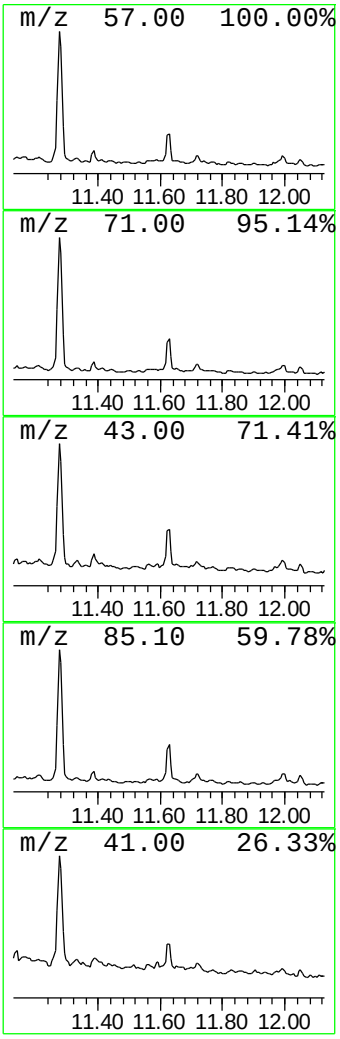
Peak Number 20 2-Bromotetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	4.02 ng	239863	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromotetradecane	276	C14H29Br	074036-95-6	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octadecane	254	C18H38	000593-45-3	90
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
Data File : BF115922.D
Acq On : 1 Aug 2019 22:22
Operator : HP/JU
Sample : K4021-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	20.2	ng	931717	1	6.85	920571	20.0
unknown6.62	6.62	54.4	ng	2505220	1	6.85	920571	20.0
Undecane, 6-ethyl-	8.20	3.4	ng	211608	2	8.13	1253290	20.0
Cyclohexane, (4-m...	8.43	3.6	ng	227127	2	8.13	1253290	20.0
Octane, 2,6-dimet...	8.56	7.7	ng	482851	2	8.13	1253290	20.0
unknown8.83	8.83	4.1	ng	256816	2	8.13	1253290	20.0
unknown9.30	9.30	6.0	ng	401106	3	9.89	1326400	20.0
Cyclohexane, 1,2-...	9.80	3.6	ng	241270	3	9.89	1326400	20.0
Naphthalene, 2-(1...	10.00	3.5	ng	229986	3	9.89	1326400	20.0
Naphthalene, 2,3,...	10.09	5.5	ng	361404	3	9.89	1326400	20.0
unknown10.15	10.15	8.8	ng	582016	3	9.89	1326400	20.0
Naphthalene, 1,4,...	10.21	4.2	ng	280975	3	9.89	1326400	20.0
unknown10.30	10.30	3.3	ng	220242	3	9.89	1326400	20.0
Undecane	10.55	15.3	ng	1012370	3	9.89	1326400	20.0
Tridecane, 4-methyl-	10.81	27.1	ng	1619690	4	11.38	1193110	20.0
4,4'-Dimethylbiph...	11.02	4.5	ng	271472	4	11.38	1193110	20.0
Heptylcyclohexane	11.14	5.4	ng	321552	4	11.38	1193110	20.0
Tridecane, 1-iodo-	11.27	16.3	ng	974028	4	11.38	1193110	20.0
2-Bromotetradecane	11.63	4.0	ng	239863	4	11.38	1193110	20.0