LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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-BF051019.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	5.475	573	576	584	rVB	2206794	2261840	21.07%	0.961%
2	6.098	676	682	685	rVV2	914465	1143247	10.65%	0.486%
3	6.381	727	730	733	rBV3	711563	779577	7.26%	0.331%
4	6.487	745	748	752	rVV	2677578	2806968	26.15%	1.192%
5	6.593	761	766	767	rVV2	496815	715202	6.66%	0.304%
6	6.622	767	771	778	rVB	3107392	3306034	30.80%	1.404%
7	6.816	795	804	805	rBV5	343002	684731	6.38%	0.291%
8	6.845	805	809	811	rVV	1763523	1989014	18.53%	0.845%
9	6.863	811	812	816	rVB	1929766	994525	9.27%	0.422%
10	7.004	832	836	838	rBV2	2669648	3140207	29.25%	1.334%
11	7.122	853	856	859	rVB	1382314	1406030	13.10%	0.597%
12	7.151	859	861	865	rBV2	725900	908457	8.46%	0.386%
13	7.240	871	876	879	rBV2	1125583	1415092	13.18%	0.601%
14	7.381	894	900	902	rBV3	1725809	2413519	22.48%	1.025%
15	7.410	902	905	907	rBV2	1163565	1006442	9.38%	0.427%
16	7.492	914	919	922	rVB5	1306617	2049574	19.09%	0.871%
17	7.557	922	930	933	rBV3	1107522	2427083	22.61%	1.031%
18	7.598	934	937	939	rVV3	648191	803353	7.48%	0.341%
19	7.628	939	942	944	rVV2	1679125	1763642	16.43%	0.749%
20	7.657	944	947	950	rVV2	1426813	1231084	11.47%	0.523%
21	7.734	956	960	961	rBV3	778982	814419	7.59%	0.346%
22	7.751	961	963	965	rVV	1370587	1300833	12.12%	0.553%
23	7.775	965	967	970	rVB4	1718031	1506202	14.03%	0.640%
24	7.816	970	974	976	rVB3	1504276	1892359	17.63%	0.804%
25	7.845	976	979	981	rBV2	1092111	880761	8.21%	0.374%
26	7.875	981	984	989	rBV3	1968962	2894548	26.97%	1.229%
27	7.928	989	993	995	rBV2	1174616	957040	8.92%	0.407%
28	7.951	995	997	999	rBV2	709875	727070	6.77%	0.309%
29	7.998	1003	1005	1009	rBV2	932659	1240882	11.56%	0.527%
30	8.128	1022	1027	1030	rVV2	2278224	3991540	37.19%	1.695%
31	8.151	1030	1031	1033	rVV2	1371765	984270	9.17%	0.418%
32	8.192	1033	1038	1041	rVB2	4190677	4806652	44.78%	2.042%
33	8.222	1041	1043	1045	rBV3	1252491	1007397	9.39%	0.428%
34	8.287	1051	1054	1056	rBV2	1029240	1107010	10.31%	0.470%

LSC Area Percent Report

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Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.310	1056	1058	1059	rVV2	852806	743833	6.93%	0.316%
36	8.339	1059	1063	1065	rVV3	1706698	2115924	19.71%	0.899%
37	8.363	1065	1067	1070	rVV4	516560	730395	6.80%	0.310%
38	8.422	1072	1077	1084	rVV5	2968820	5402314	50.33%	2.295%
39	8.475	1084	1086	1089	rVV2	1723383	1678922	15.64%	0.713%
40	8.510	1089	1092	1096	rVB4	2150816	2594071	24.17%	1.102%
41	8.557	1096	1100	1102	rBV	5927121	5774257	53.79%	2.453%
42	8.575	1102	1103	1105	rVV	1400348	1070695	9.97%	0.455%
43	8.598	1105	1107	1110	rVB2	1396664	1162559	10.83%	0.494%
44	8.639	1110	1114	1116	rBV	2258258	2074853	19.33%	0.881%
45	8.675	1116	1120	1122	rBV4	1292809	1508002	14.05%	0.641%
46	8.728	1126	1129	1133	rVV4	800254	1538719	14.34%	0.654%
47	8.763	1133	1135	1137	rVV2	960500	1139568	10.62%	0.484%
48	8.792	1137	1140	1142	rVV3	1431327	1789785	16.67%	0.760%
49	8.822	1142	1145	1147	rVV2	2134895	2079791	19.38%	0.883%
50	8.851	1147	1150	1152	rVB	3534820	2904521	27.06%	1.234%
51	8.881	1153	1155	1157	rVB	1207261	853588	7.95%	0.363%
52	8.916	1157	1161	1163	rBV4	987562	1613112	15.03%	0.685%
53	8.945	1163	1166	1170	rVB2	2271021	2957455	27.55%	1.256%
54	9.010	1175	1177	1178	rBV	1175750	1081359	10.07%	0.459%
55	9.039	1180	1182	1186	rVV3	1994531	2449667	22.82%	1.040%
56	9.128	1195	1197	1199	rBV3	1267926	989736	9.22%	0.420%
57	9.157	1199	1202	1206	rVB	5746550	5457501	50.84%	2.318%
58	9.204	1207	1210	1213	rVB	2526201	2015168	18.77%	0.856%
59	9.298	1221	1226	1230	rBV4	2324274	4070421	37.92%	1.729%
60	9.334	1230	1232	1235	rBV3	862255	1076068	10.02%	0.457%
61	9.404	1242	1244	1248	rVB	1932381	2183360	20.34%	0.927%
62	9.481	1253	1257	1260	rVB2	3198850	4165879	38.81%	1.769%
63	9.551	1266	1269	1271	rBV	3301161	3440493	32.05%	1.461%
64	9.581	1271	1274	1276	rVV2	2338966	2314495	21.56%	0.983%
65	9.616	1276	1280	1282	rVB2	6790708	7718550	71.91%	3.278%
66	9.639	1282	1284	1286	rVB	970874	638628	5.95%	0.271%
67	9.669	1286	1289	1291	rBV3	2010091	1789002	16.67%	0.760%
68	9.757	1301	1304	1307	rBV3	1941583	2622692	24.43%	1.114%
69	9.804	1309	1312	1315	rVB3	2710511	2534396	23.61%	1.076%
70	9.839	1315	1318	1319	rBV3	771078	877311	8.17%	0.373%
71	9.875	1319	1324	1325	rBV4	2134519	2957317	27.55%	1.256%

LSC Area Percent Report

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Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.928	1330	1333	1336	rVB2	2763800	2425157	22.59%	1.030%
73	9.998	1342	1345	1349	rVB	2158104	2665367	24.83%	1.132%
74	10.045	1349	1353	1357	rBV5	1056234	2277104	21.21%	0.967%
75	10.086	1357	1360	1365	rVV2	2442854	3300606	30.75%	1.402%
76	10.151	1366	1371	1378	rVB5	2670215	5318895	49.55%	2.259%
77	10.210	1378	1381	1383	rBV	2483609	2605632	24.27%	1.107%
78	10.239	1384	1386	1388	rBV	1271557	888079	8.27%	0.377%
79	10.263	1388	1390	1393	rVB2	1393554	1241525	11.57%	0.527%
80	10.304	1393	1397	1402	rBV5	2204725	3635552	33.87%	1.544%
81	10.351	1402	1405	1407	rBV2	1052923	1221151	11.38%	0.519%
82	10.375	1407	1409	1410	rBV2	807335	664433	6.19%	0.282%
83	10.439	1417	1420	1426	rBV4	2277179	3041069	28.33%	1.292%
84	10.545	1433	1438	1441	rVB	5490214	6670948	62.15%	2.833%
85	10.633	1451	1453	1454	rBV2	853037	709139	6.61%	0.301%
86	10.657	1455	1457	1459	rVV2	1421889	1152013	10.73%	0.489%
87	10.680	1459	1461	1464	rVV2	1064930	1112183	10.36%	0.472%
88	10.816	1479	1484	1490	rBV	7769960	10733920	100.00%	4.559%
89	11.022	1517	1519	1522	rVB2	1842488	1598809	14.89%	0.679%
90	11.280	1559	1563	1568	rVB	6325096	7743292	72.14%	3.289%
91	11.386	1578	1581	1582	rBV	2039278	2084303	19.42%	0.885%
92	11.416	1583	1586	1589	rVV	5139521	6012483	56.01%	2.554%
93	11.463	1591	1594	1597	rVB	2486852	2297540	21.40%	0.976%
94	11.627	1619	1622	1625	rBV	2459097	2355946	21.95%	1.001%
95	11.886	1664	1666	1669	rBV	1274562	1388666	12.94%	0.590%
96	11.998	1683	1685	1688	rBV3	1719477	1569997	14.63%	0.667%
97	12.363	1745	1747	1755	rVB2	1872926	2256291	21.02%	0.958%
98	12.574	1781	1783	1786	rBV3	1193091	1424476	13.27%	0.605%
99	12.622	1786	1791	1793	rVB	3995179	5465563	50.92%	2.321%
100	12.851	1824	1830	1834	rVB3	3694285	6102034	56.85%	2.592%

Sum of corrected areas: 235433184

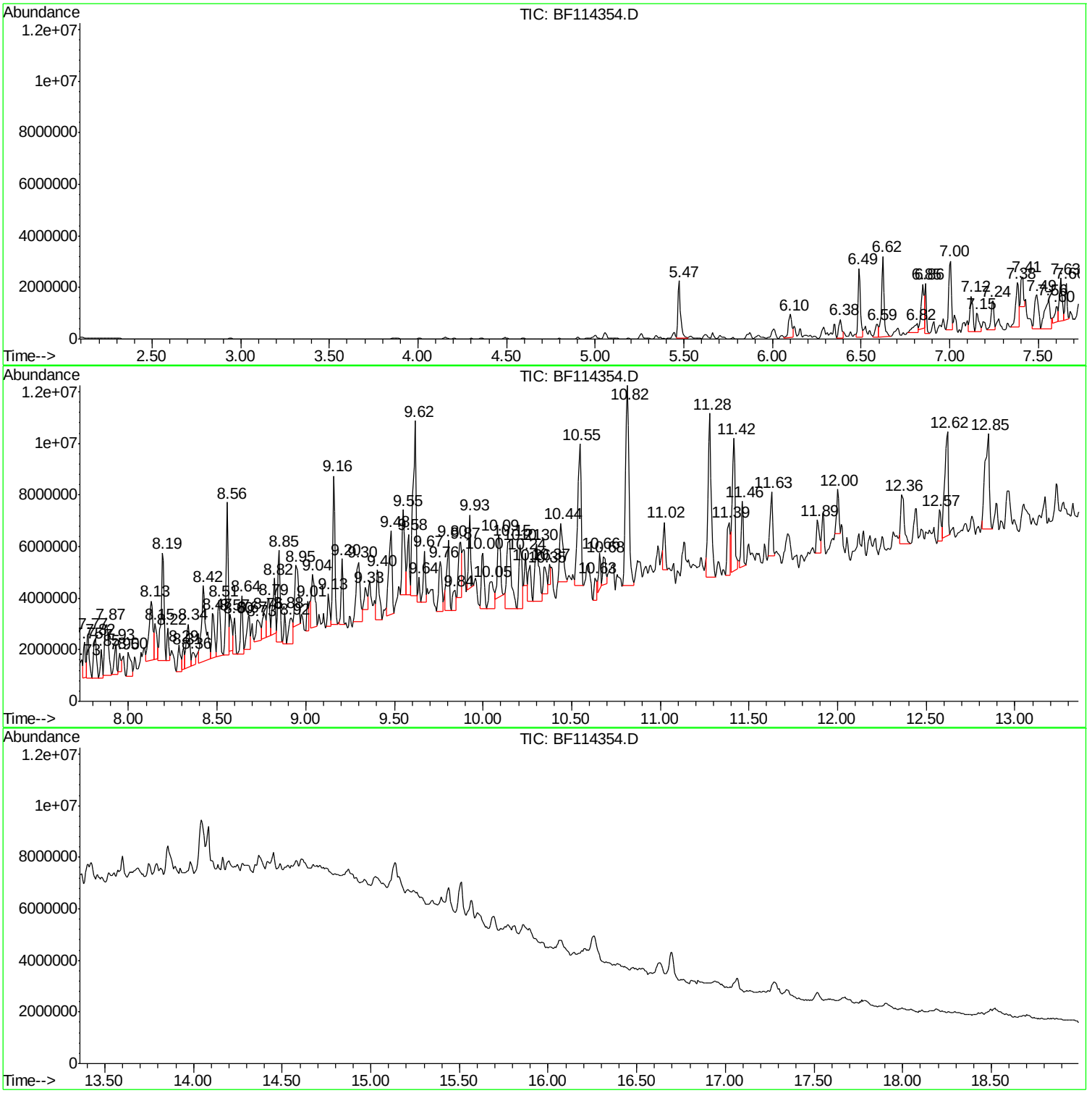
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

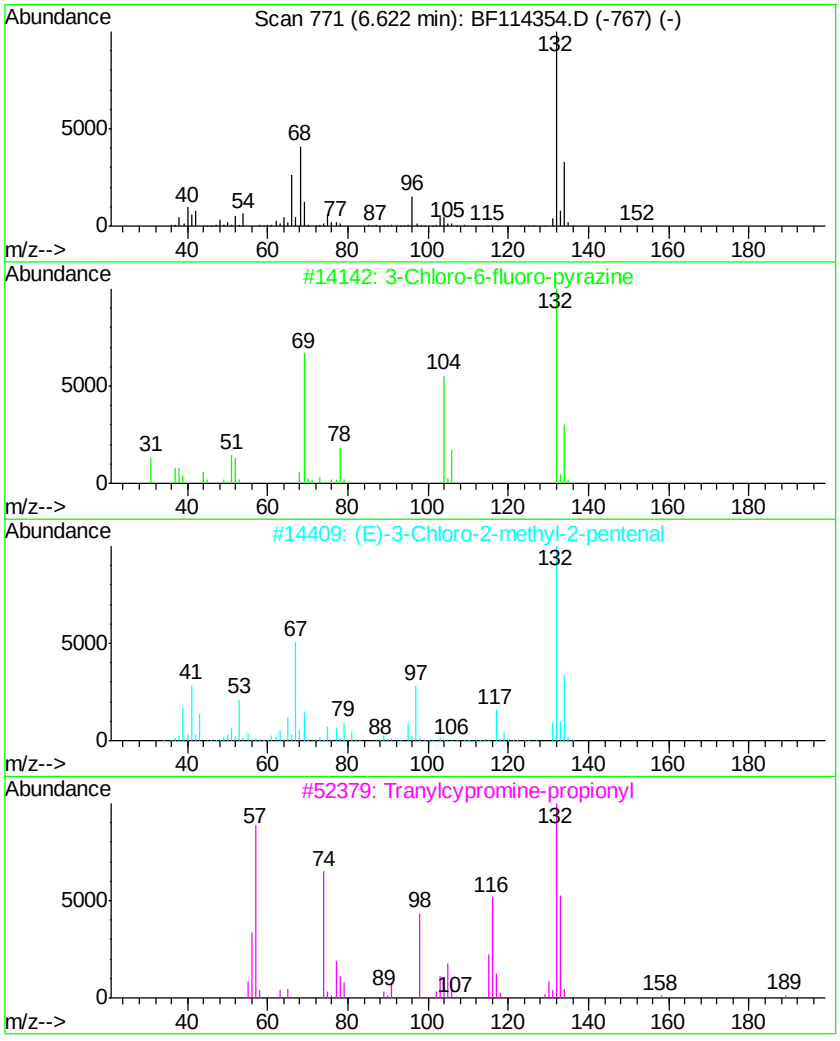
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

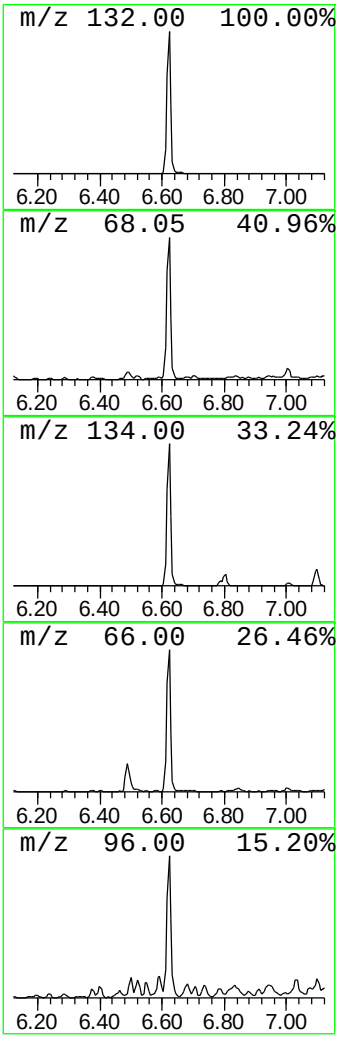
****

Peak Number 1 unknown6.62 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	33.24 ng	3306030	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	30
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

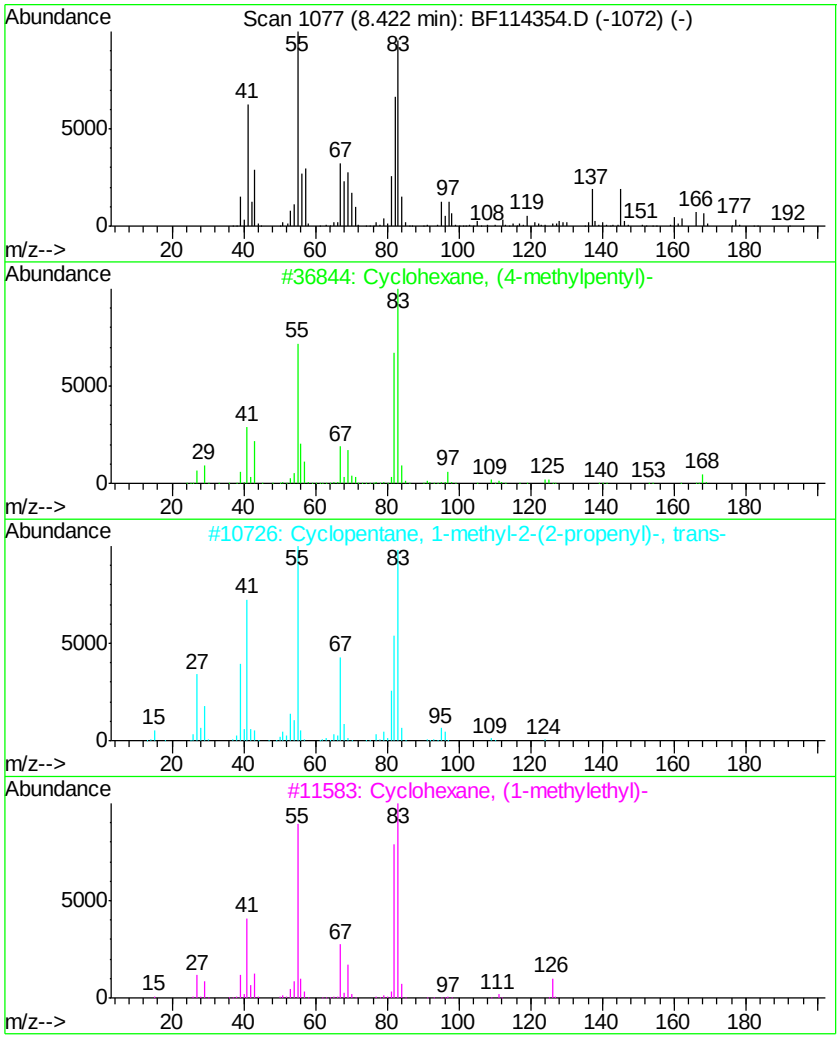
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

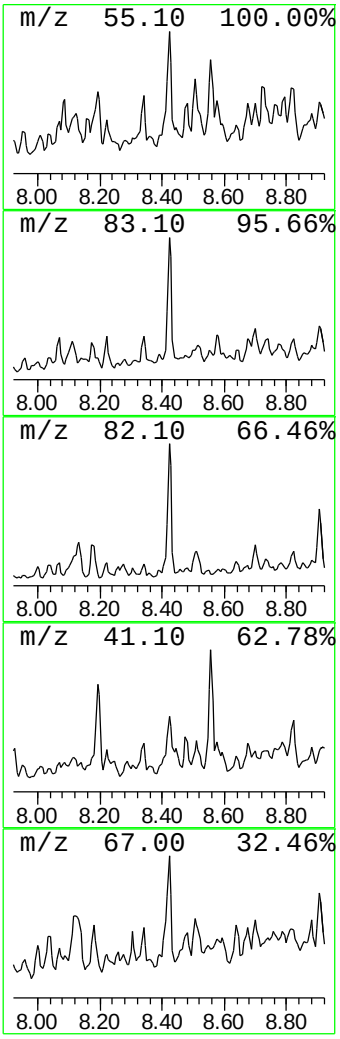
****

Peak Number 3 Cyclohexane, (4-methylpentyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	27.07 ng	5402310	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	52
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	25
5	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	25





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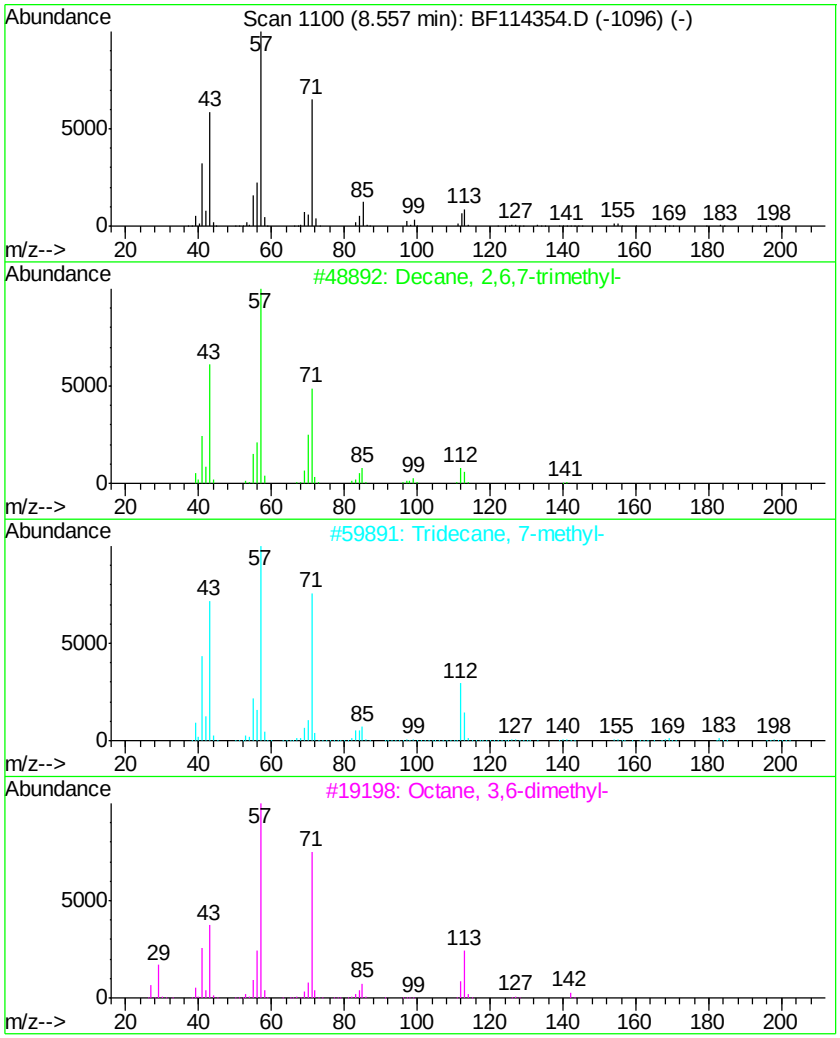
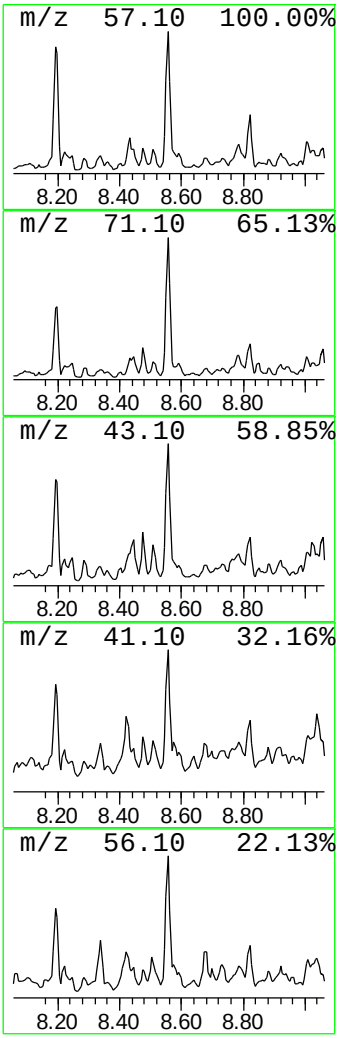
****

Peak Number 4 Decane, 2,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	28.93 ng	5774260	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	72
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
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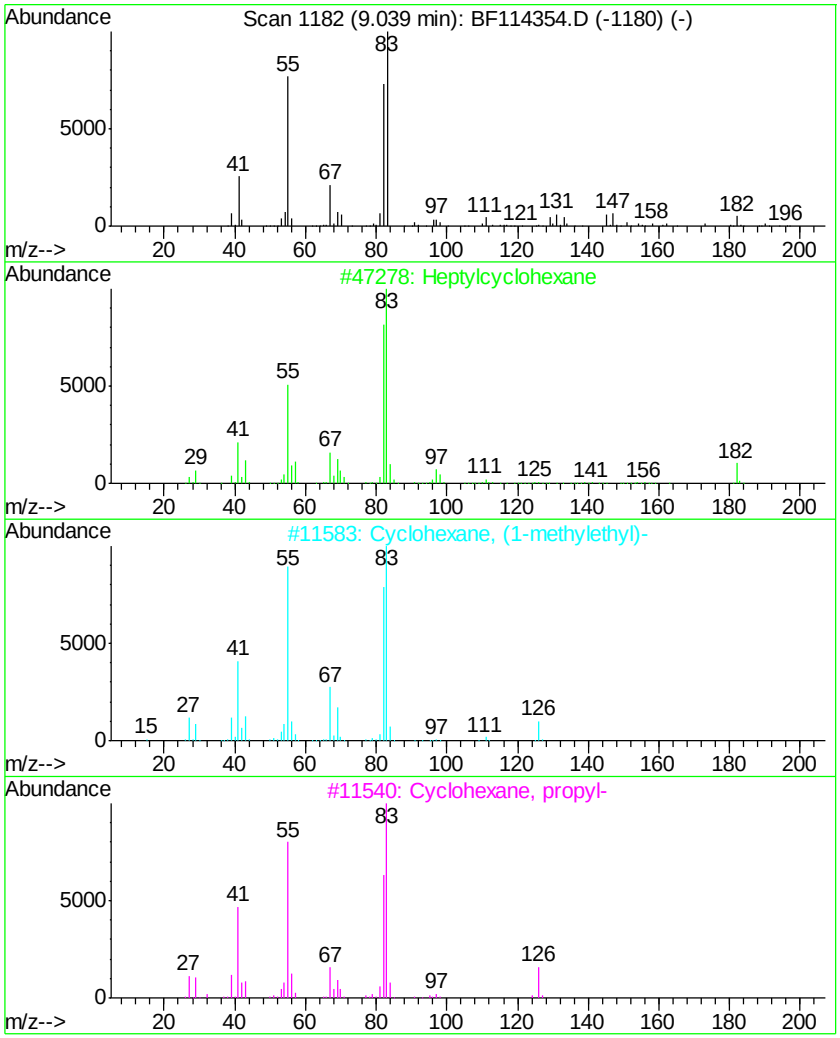
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

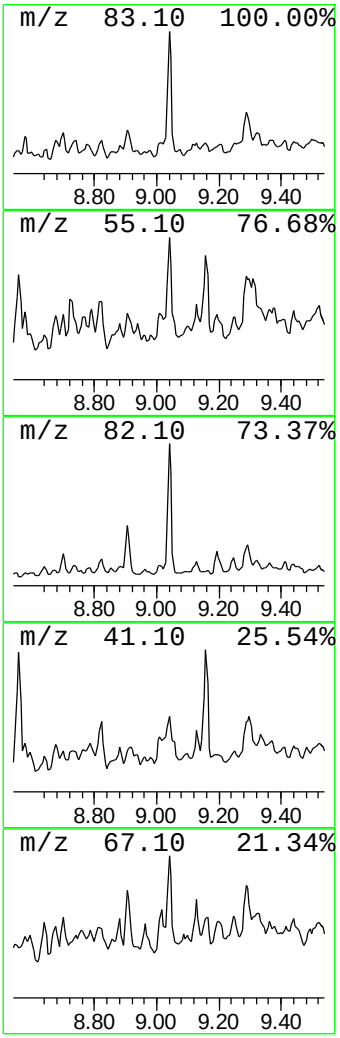
****

Peak Number 5 Heptylcyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	16.57 ng	2449670	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	78
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	56





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Data File : BF114354.D
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Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

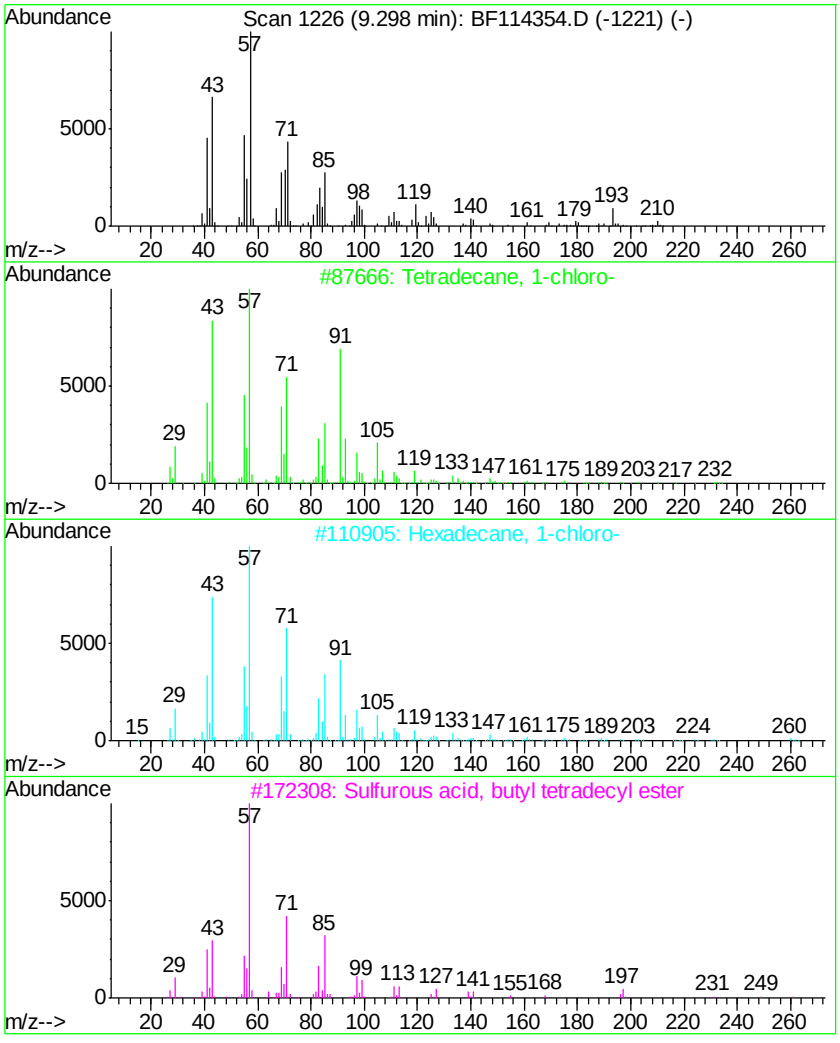
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

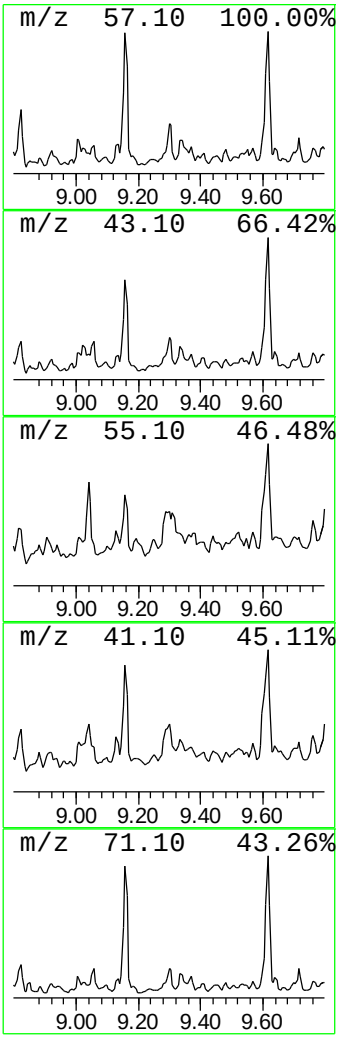
****

Peak Number 6 Tetradecane, 1-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	27.53 ng	4070420	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	64
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	59
3	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	53
4	Acetic acid, 3,7,11,15-tetrameth...	340	C22H44O2	1000193-63-0	46
5	Tetradecane	198	C14H30	000629-59-4	43





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Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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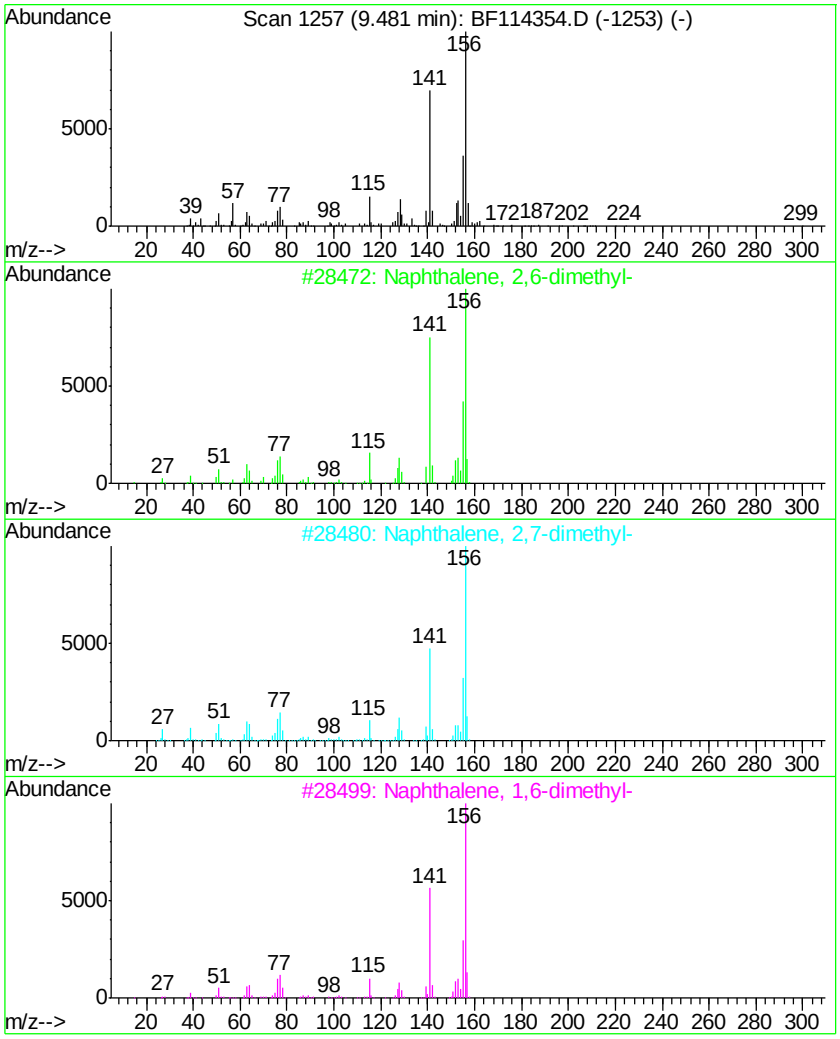
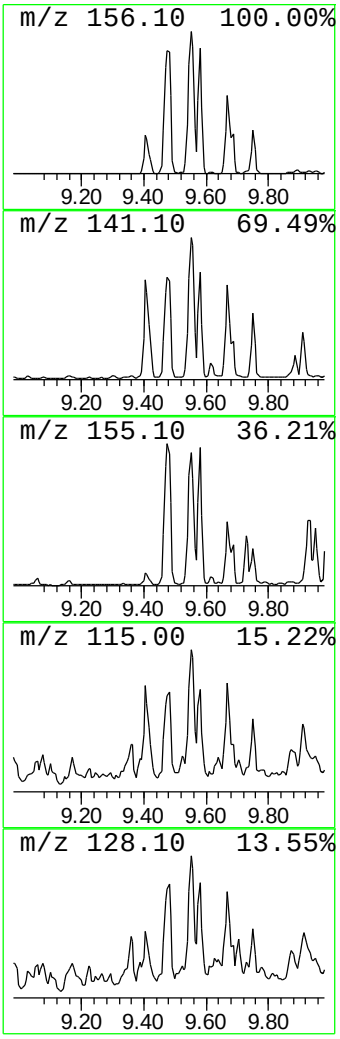
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	28.17 ng	4165880	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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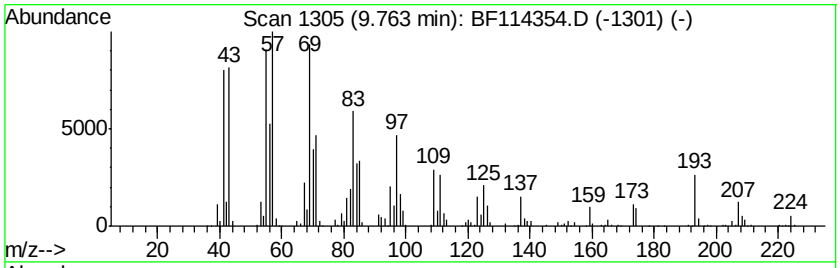
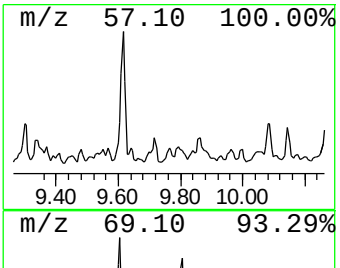
Peak Number 8 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	17.74 ng	2622690	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	59
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	52
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	46
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	41
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	41





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Sample : K2854-02 2X
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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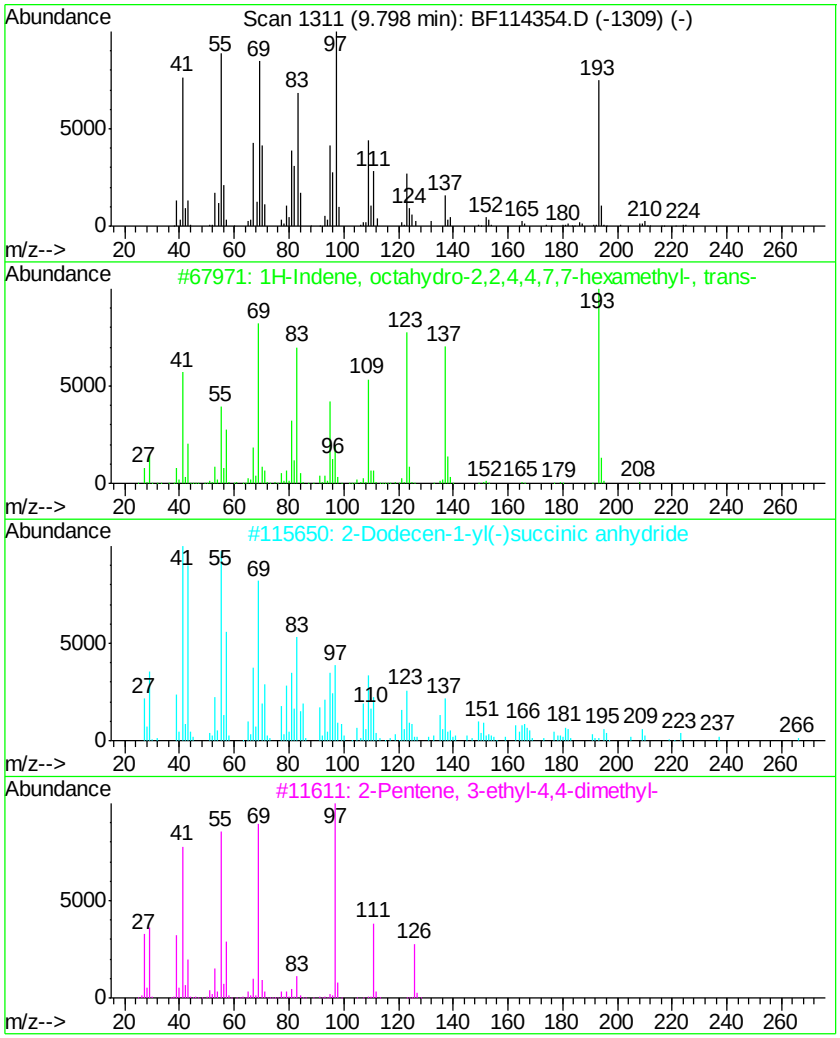
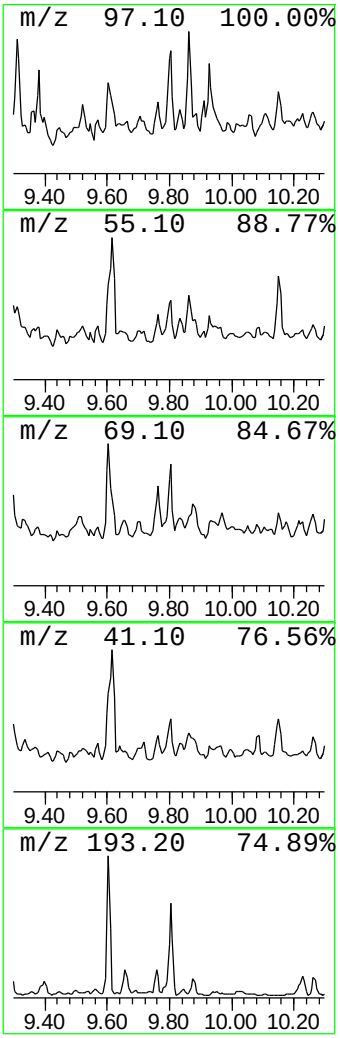
Peak Number 9 1H-Indene, octahydro-2,2,4,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	17.14 ng	2534400	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	50
2	2-Dodecen-1-yl(-)succinic anhydride	266	C16H26O3	019780-11-1	38
3	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
4	1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	27
5	Cyclohexanemethanol, 4-methyl-, ...	128	C8H16O	003937-49-3	22





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Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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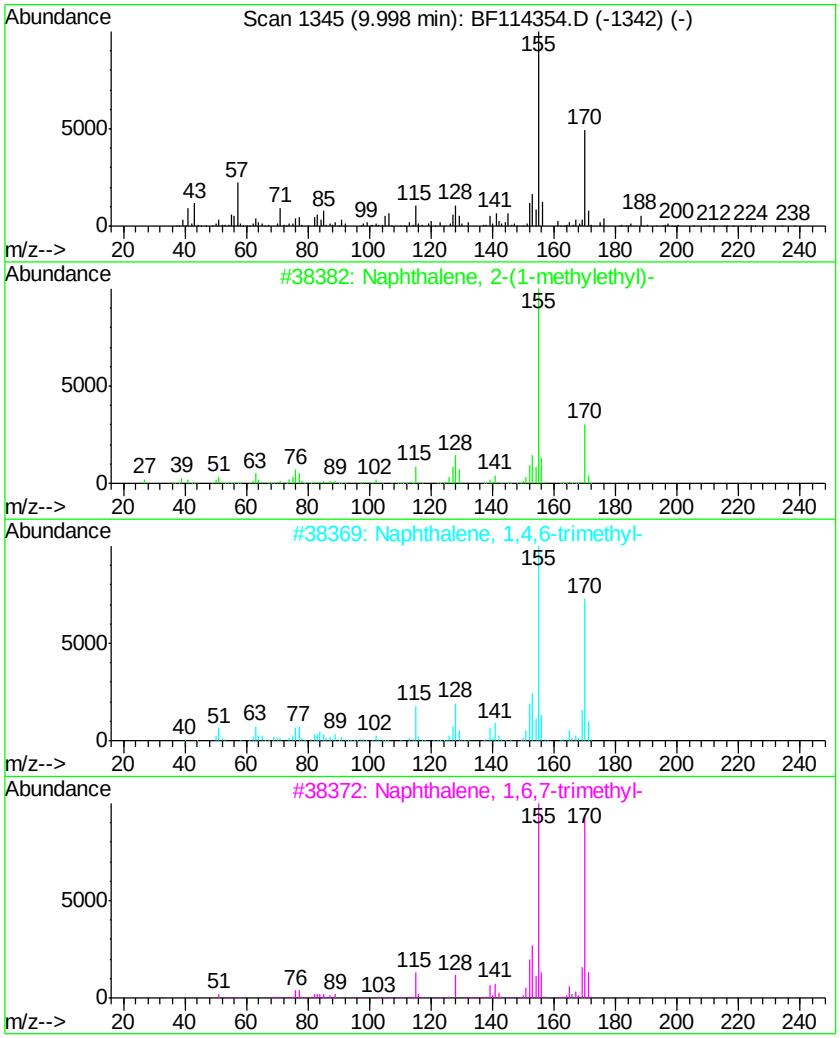
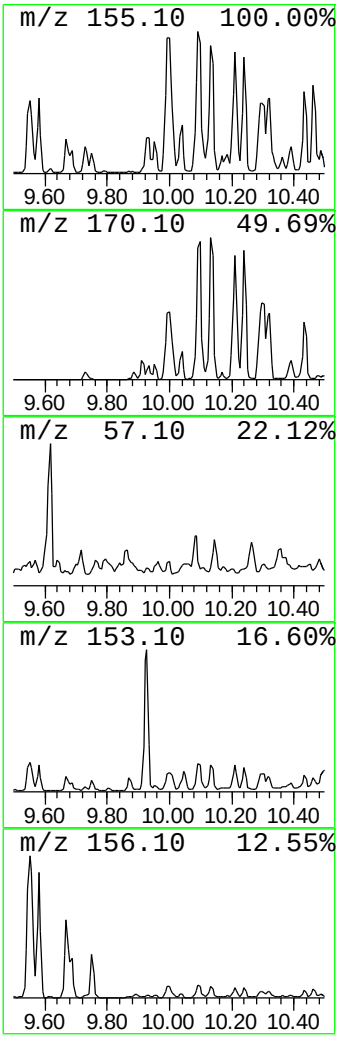
Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	18.03 ng	2665370	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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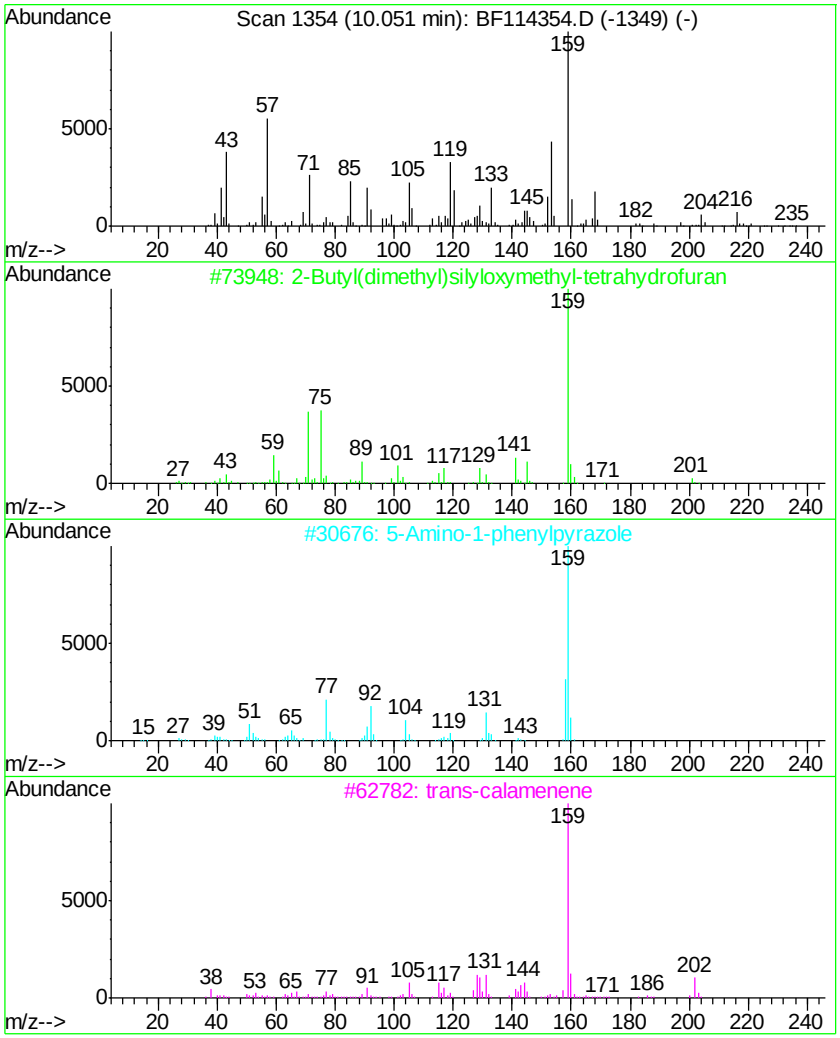
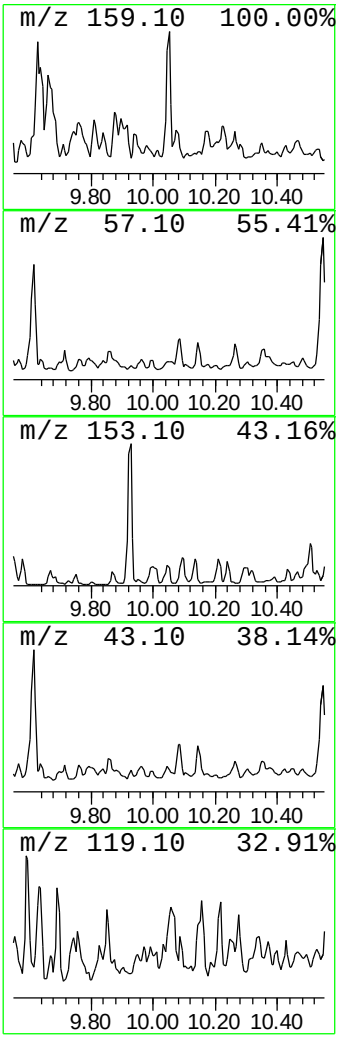
Peak Number 11 unknown10.05 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	15.40 ng	2277100	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyl(dimethyl)silyloxymethyl-...	216	C11H24O2Si	1000282-45-6	35
2	5-Amino-1-phenylpyrazole	159	C9H9N3	000826-85-7	18
3	trans-calamenene	202	C15H22	1000374-17-3	14
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	14
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	14





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Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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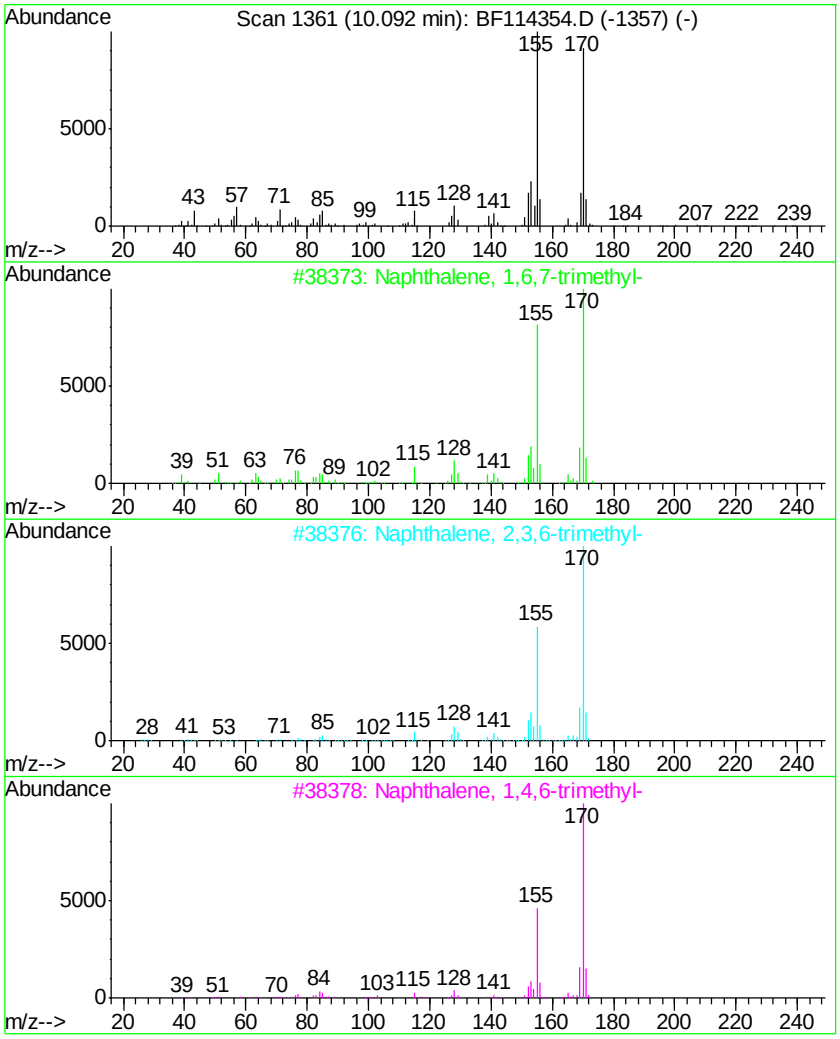
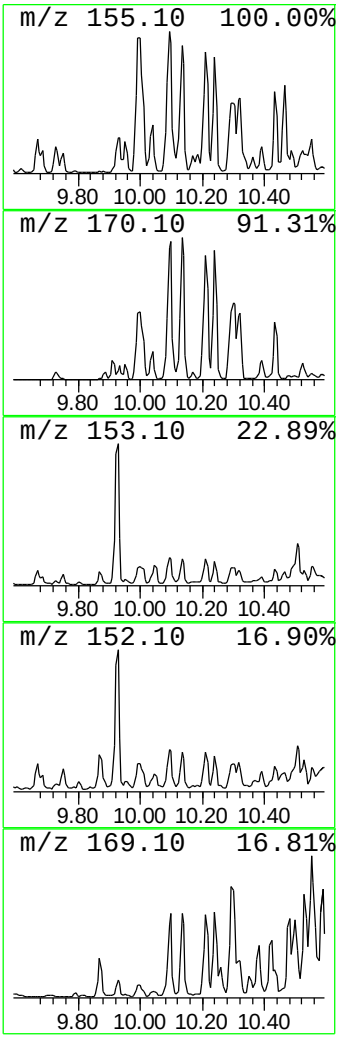
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	22.32 ng	3300610	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	55
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	52





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Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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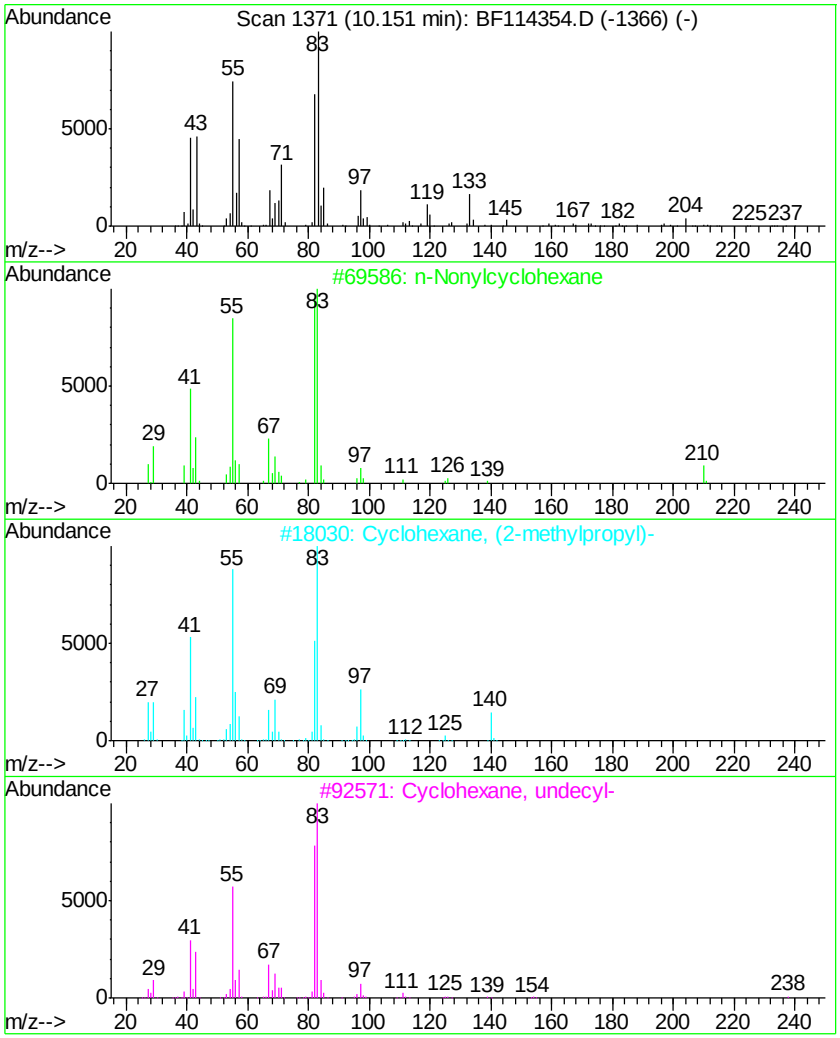
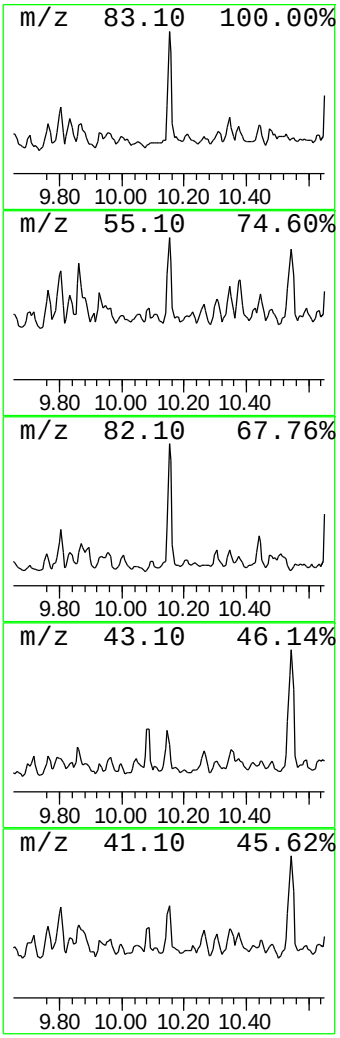
Peak Number 13 n-Nonylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	35.97 ng	5318900	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonylcyclohexane	210	C15H30	002883-02-5	58
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50





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Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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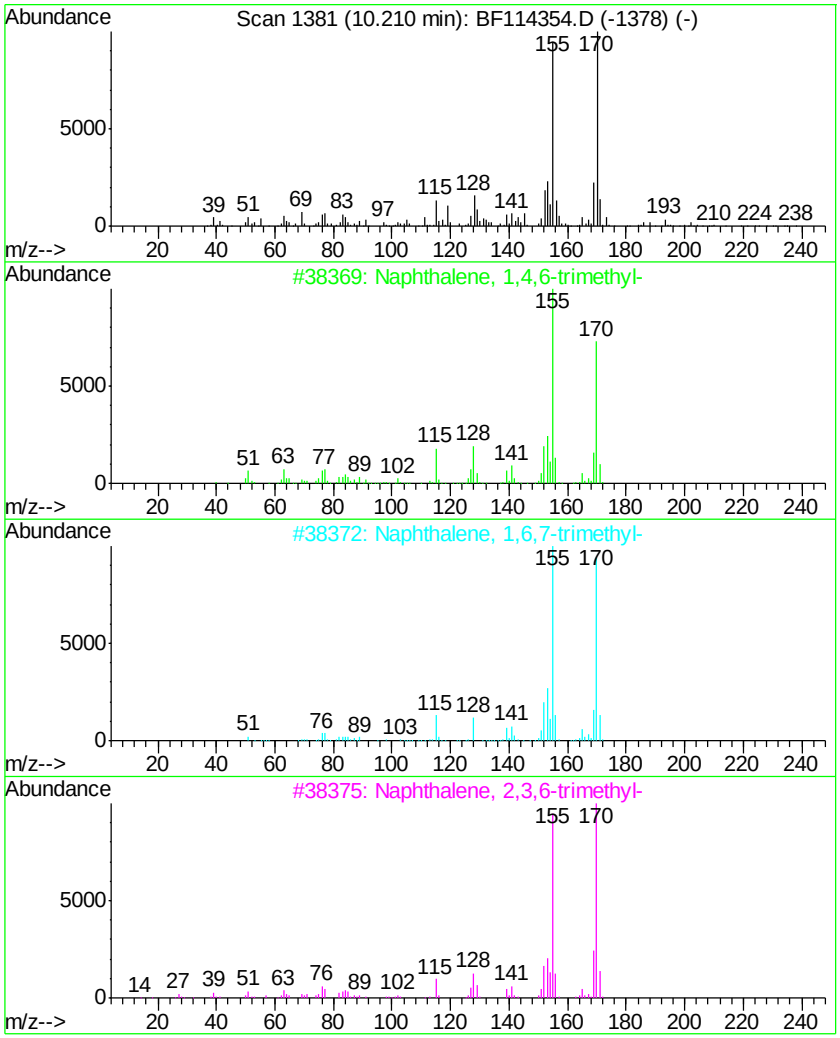
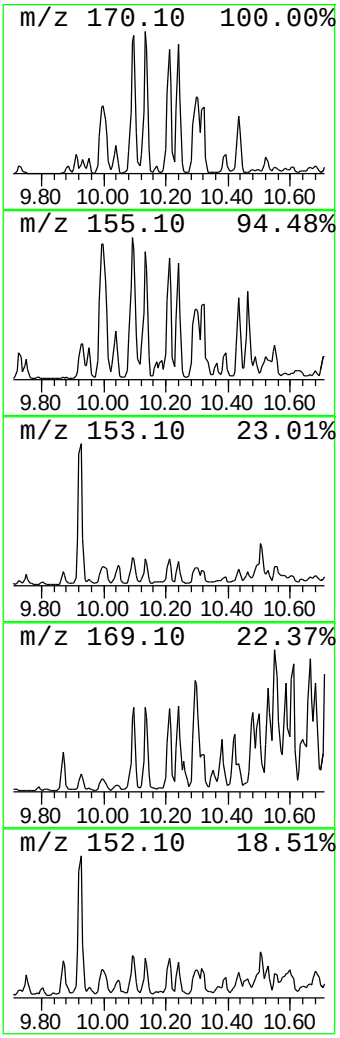
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	17.62 ng	2605630	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

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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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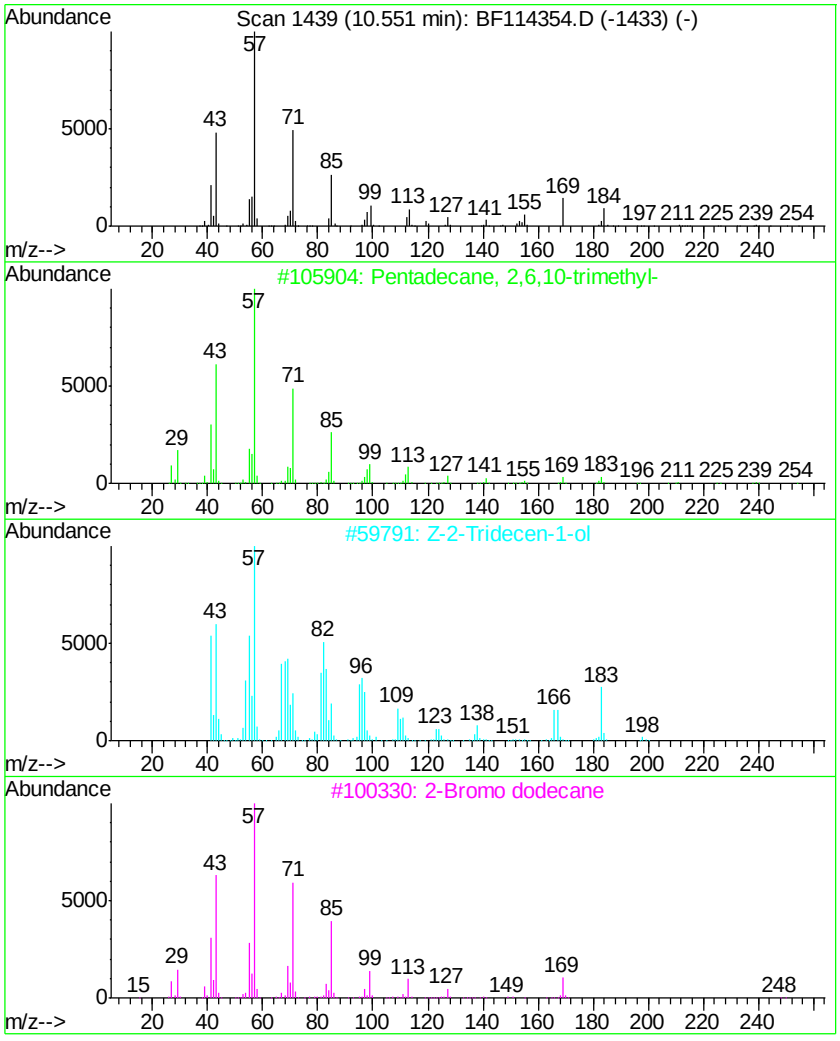
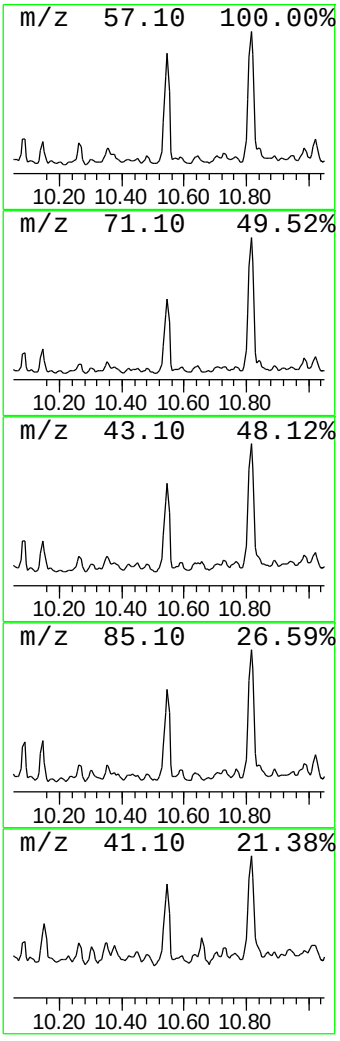
Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	45.11 ng	6670950	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
2	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	74
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	64





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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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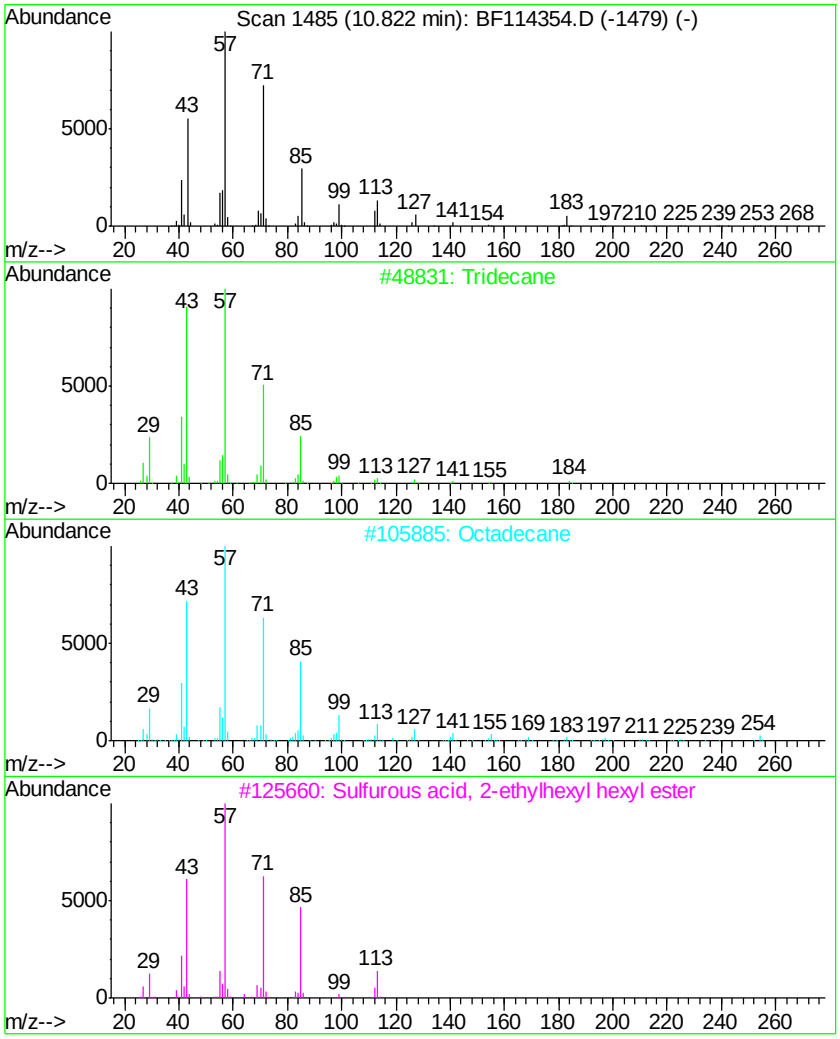
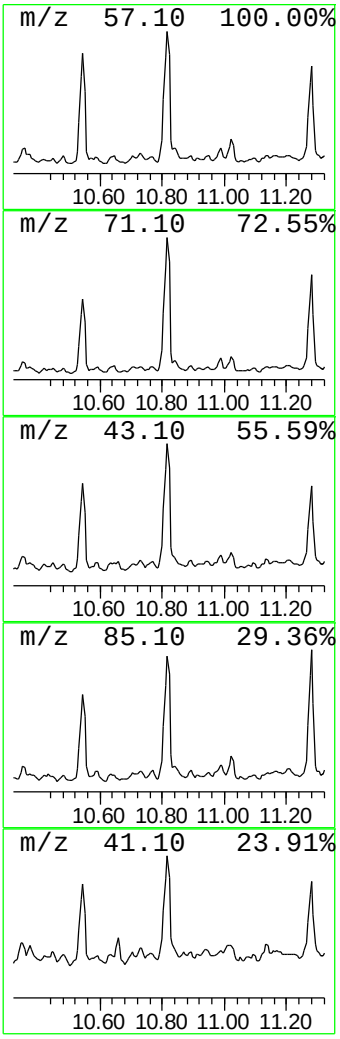
Peak Number 17 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	103.00 ng	10733900	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	72
2	Octadecane	254	C18H38	000593-45-3	64
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
5	Octane, 1-iodo-	240	C8H17I	000629-27-6	53





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

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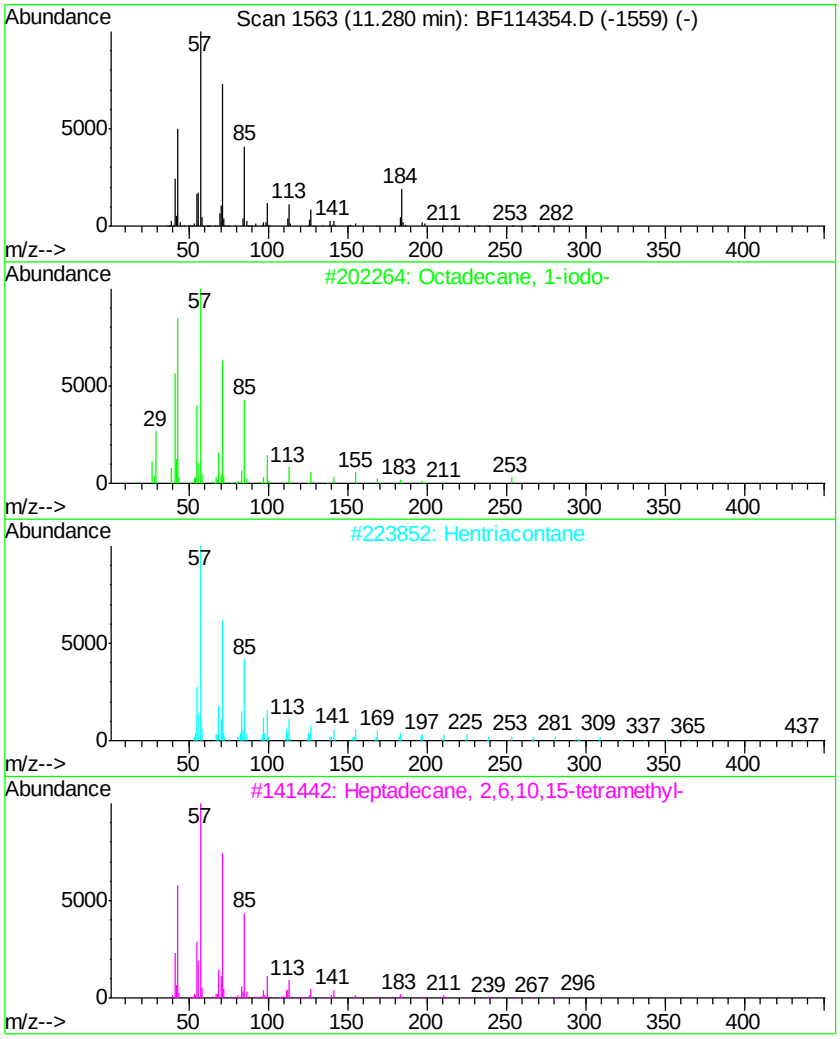
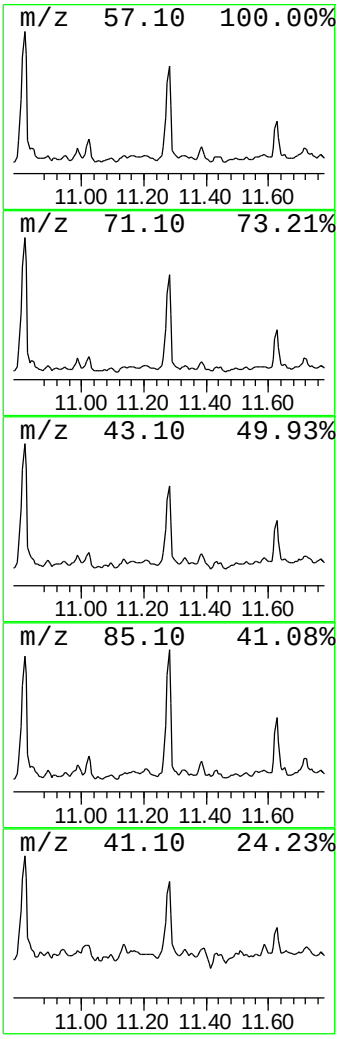
Peak Number 18 Octadecane, 1-iodo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	74.30 ng	7743290	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72
2	Hentriacontane	437	C31H64	000630-04-6	72
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64





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Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

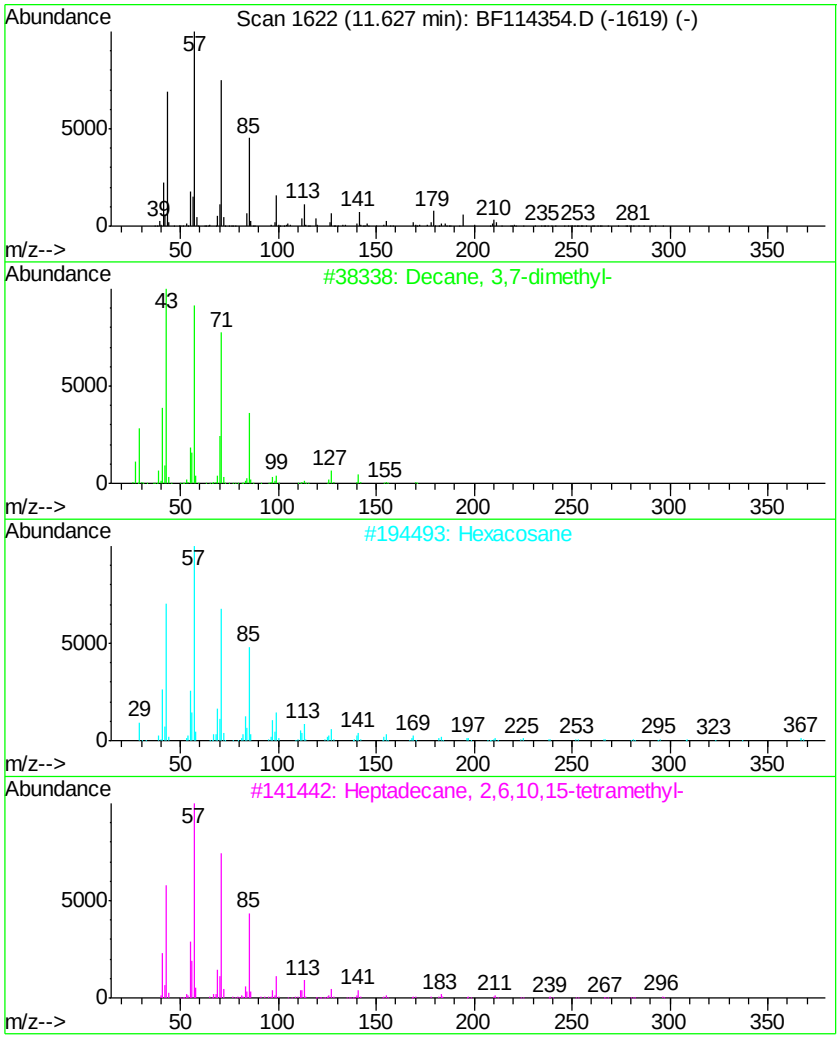
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

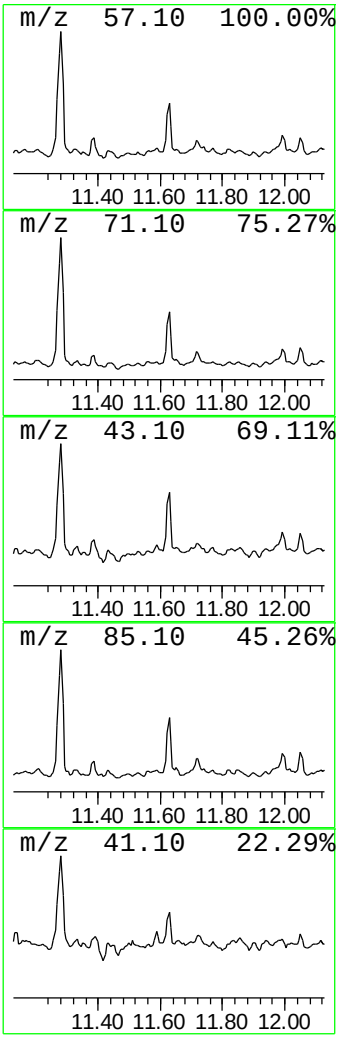
****

Peak Number 19 Decane, 3,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	22.61 ng	2355950	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	87
2	Hexacosane	366	C26H54	000630-01-3	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Tritetracontane	605	C43H88	007098-21-7	86
5	Heptacosane	380	C27H56	000593-49-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

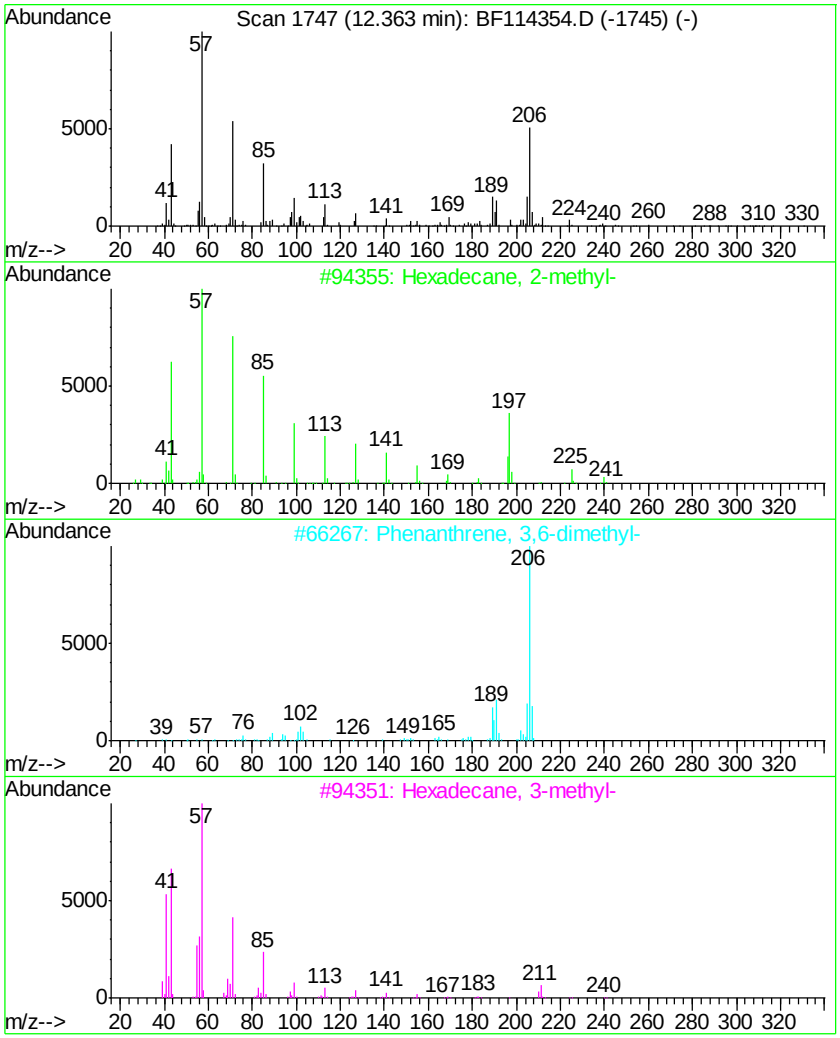
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

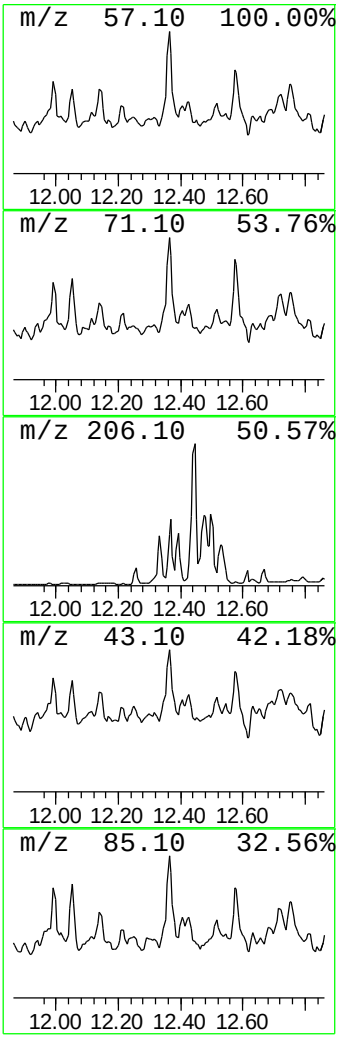
****

Peak Number 20 Hexadecane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	21.65 ng	2256290	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	59
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	55
4	Pentadecane	212	C15H32	000629-62-9	55
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114354.D
Acq On : 17 May 2019 17:13
Operator : JU/SJ
Sample : K2854-02 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-03(25.5-26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.62	6.62	33.2	ng	3306030	1	6.85	1989010	20.0
Cyclohexane, (4-m...	8.42	27.1	ng	5402310	2	8.13	3991540	20.0
Decane, 2,6,7-tri...	8.56	28.9	ng	5774260	2	8.13	3991540	20.0
Heptylcyclohexane	9.04	16.6	ng	2449670	3	9.89	2957320	20.0
Tetradecane, 1-ch...	9.30	27.5	ng	4070420	3	9.89	2957320	20.0
Naphthalene, 2,6-...	9.48	28.2	ng	4165880	3	9.89	2957320	20.0
Naphthalene, 1,4-...	9.76	17.7	ng	2622690	3	9.89	2957320	20.0
1H-Indene, octahy...	9.80	17.1	ng	2534400	3	9.89	2957320	20.0
Naphthalene, 2-(1...	10.00	18.0	ng	2665370	3	9.89	2957320	20.0
unknown10.05	10.05	15.4	ng	2277100	3	9.89	2957320	20.0
Naphthalene, 1,6,...	10.09	22.3	ng	3300610	3	9.89	2957320	20.0
n-Nonylcyclohexane	10.15	36.0	ng	5318900	3	9.89	2957320	20.0
Naphthalene, 1,4,...	10.21	17.6	ng	2605630	3	9.89	2957320	20.0
Pentadecane, 2,6,...	10.55	45.1	ng	6670950	3	9.89	2957320	20.0
Tridecane	10.82	103.0	ng	10733900	4	11.38	2084300	20.0
Octadecane, 1-iodo-	11.28	74.3	ng	7743290	4	11.38	2084300	20.0
Decane, 3,7-dimet...	11.63	22.6	ng	2355950	4	11.38	2084300	20.0
Hexadecane, 2-met...	12.36	21.6	ng	2256290	4	11.38	2084300	20.0