LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

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-BF022719.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	5.339	549	553	563	rBV	2160490	2037180	82.65%	6.345%
2	5.734	616	620	625	rVB2	52613	56489	2.29%	0.176%
3	5.928	648	653	656	rBV2	40914	54018	2.19%	0.168%
4	6.257	706	709	713	rBV4	49780	72820	2.95%	0.227%
5	6.375	722	729	735	rBV	2072530	2464878	100.00%	7.677%
6	6.498	745	750	753	rBV	2351531	2294051	93.07%	7.145%
7	6.663	771	778	782	rBV5	36949	77514	3.14%	0.241%
8	6.722	785	788	792	rVV	780958	641521	26.03%	1.998%
9	6.798	796	801	804	rBV3	88215	136157	5.52%	0.424%
10	6.851	807	810	811	rVV	89232	76213	3.09%	0.237%
11	6.881	811	815	818	rVV	2018277	1787015	72.50%	5.566%
12	6.910	818	820	823	rVB	57828	49730	2.02%	0.155%
13	6.957	823	828	831	rBV7	36030	63210	2.56%	0.197%
14	7.004	831	836	840	rBV5	30929	57954	2.35%	0.181%
15	7.122	853	856	858	rBV	67898	60053	2.44%	0.187%
16	7.281	879	883	886	rBV	1428469	1326289	53.81%	4.131%
17	7.363	894	897	903	rVB6	53802	96043	3.90%	0.299%
18	7.422	905	907	916	rVB7	43771	93998	3.81%	0.293%
19	7.510	916	922	924	rBV4	60881	96607	3.92%	0.301%
20	7.533	924	926	930	rVB2	155620	138345	5.61%	0.431%
21	7.622	935	941	943	rBV5	64975	92317	3.75%	0.288%
22	7.645	943	945	950	rVB2	81760	102066	4.14%	0.318%
23	7.716	955	957	961	rBV2	53185	63656	2.58%	0.198%
24	7.775	961	967	969	rBV5	41325	70402	2.86%	0.219%
25	7.833	974	977	981	rBV2	87368	94491	3.83%	0.294%
26	7.898	981	988	989	rBV5	38184	79584	3.23%	0.248%
27	8.004	1001	1006	1009	rBV	942387	871864	35.37%	2.716%
28	8.080	1017	1019	1021	rVB	208177	150005	6.09%	0.467%
29	8.169	1031	1034	1037	rBV	81266	111900	4.54%	0.349%
30	8.245	1045	1047	1050	rVB4	66088	64411	2.61%	0.201%
31	8.286	1052	1054	1059	rVV5	79584	136609	5.54%	0.426%
32	8.333	1059	1062	1064	rVV2	98636	104146	4.23%	0.324%
33	8.363	1064	1067	1070	rVV3	100785	117618	4.77%	0.366%
34	8.398	1070	1073	1076	rVV4	78610	101984	4.14%	0.318%

LSC Area Percent Report

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Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.439	1077	1080	1081	rVV	273010	215052	8.72%	0.670%
36	8.457	1081	1083	1085	rVV2	188916	195329	7.92%	0.608%
37	8.475	1085	1086	1089	rVB2	126026	84555	3.43%	0.263%
38	8.604	1104	1108	1109	rBV	91307	95040	3.86%	0.296%
39	8.669	1117	1119	1122	rBV3	65658	83430	3.38%	0.260%
40	8.698	1122	1124	1128	rVB2	204866	222191	9.01%	0.692%
41	8.804	1139	1142	1143	rBV2	65838	66342	2.69%	0.207%
42	8.822	1143	1145	1150	rVB3	106568	112023	4.54%	0.349%
43	8.869	1150	1153	1154	rBV2	94558	80518	3.27%	0.251%
44	8.892	1154	1157	1158	rVV	108305	93587	3.80%	0.291%
45	8.922	1159	1162	1167	rVB	134890	144861	5.88%	0.451%
46	8.980	1169	1172	1175	rBV3	54325	53817	2.18%	0.168%
47	9.010	1175	1177	1179	rBV	56724	45892	1.86%	0.143%
48	9.039	1179	1182	1184	rBV	177859	145290	5.89%	0.453%
49	9.080	1185	1189	1192	rVB	3011066	2448221	99.32%	7.626%
50	9.186	1204	1207	1209	rVB2	88405	77751	3.15%	0.242%
51	9.216	1209	1212	1214	rBV2	69452	73281	2.97%	0.228%
52	9.286	1220	1224	1227	rVB3	118876	138767	5.63%	0.432%
53	9.333	1227	1232	1234	rBV2	105004	145431	5.90%	0.453%
54	9.363	1234	1237	1239	rVV	125726	120138	4.87%	0.374%
55	9.427	1239	1248	1250	rVV6	104976	252978	10.26%	0.788%
56	9.474	1253	1256	1257	rVV	284041	293204	11.90%	0.913%
57	9.492	1257	1259	1261	rVV	472154	373496	15.15%	1.163%
58	9.516	1261	1263	1266	rVB3	108707	107599	4.37%	0.335%
59	9.574	1271	1273	1275	rBV2	64223	56955	2.31%	0.177%
60	9.669	1286	1289	1292	rBV3	89622	83582	3.39%	0.260%
61	9.757	1298	1304	1307	rBV	1168777	1168648	47.41%	3.640%
62	9.804	1310	1312	1315	rVV	63047	51173	2.08%	0.159%
63	9.874	1321	1324	1326	rVB	101484	95381	3.87%	0.297%
64	9.922	1329	1332	1336	rBV5	132465	188790	7.66%	0.588%
65	9.957	1336	1338	1341	rVV3	63473	67075	2.72%	0.209%
66	10.022	1347	1349	1352	rBV	227464	193960	7.87%	0.604%
67	10.251	1386	1388	1393	rVB2	123640	169091	6.86%	0.527%
68	10.298	1393	1396	1397	rBV3	119743	125123	5.08%	0.390%
69	10.316	1397	1399	1403	rVV	145677	158275	6.42%	0.493%
70	10.357	1404	1406	1410	rVB3	108490	111161	4.51%	0.346%
71	10.416	1412	1416	1419	rVB	241188	284083	11.53%	0.885%

LSC Area Percent Report

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Sample : K1971-02
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.545	1433	1438	1441	rBV	1995186	1995093	80.94%	6.214%
73	10.639	1450	1454	1457	rBV3	105805	164511	6.67%	0.512%
74	10.680	1457	1461	1468	rVB2	263015	432270	17.54%	1.346%
75	10.739	1468	1471	1472	rBV	79330	78032	3.17%	0.243%
76	10.816	1481	1484	1486	rBV2	162946	197826	8.03%	0.616%
77	11.145	1538	1540	1544	rVB2	257750	250822	10.18%	0.781%
78	11.192	1546	1548	1552	rBV4	116144	152010	6.17%	0.473%
79	11.233	1552	1555	1557	rVV	1180960	995263	40.38%	3.100%
80	11.257	1557	1559	1564	rVB2	379491	359638	14.59%	1.120%
81	11.774	1644	1647	1652	rBV3	532451	686883	27.87%	2.139%
82	11.986	1680	1683	1685	rBV3	253675	327302	13.28%	1.019%
83	12.021	1686	1689	1693	rVB3	644518	740351	30.04%	2.306%
84	12.098	1699	1702	1709	rVB3	340274	375878	15.25%	1.171%
85	12.186	1714	1717	1720	rVB	732990	660710	26.80%	2.058%
86	12.445	1759	1761	1764	rBV	328190	327370	13.28%	1.020%
87	12.821	1822	1825	1828	rBV	2330941	2098218	85.12%	6.535%

Sum of corrected areas: 32105405

LSC Report - Integrated Chromatogram

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Data File : BF113173.D
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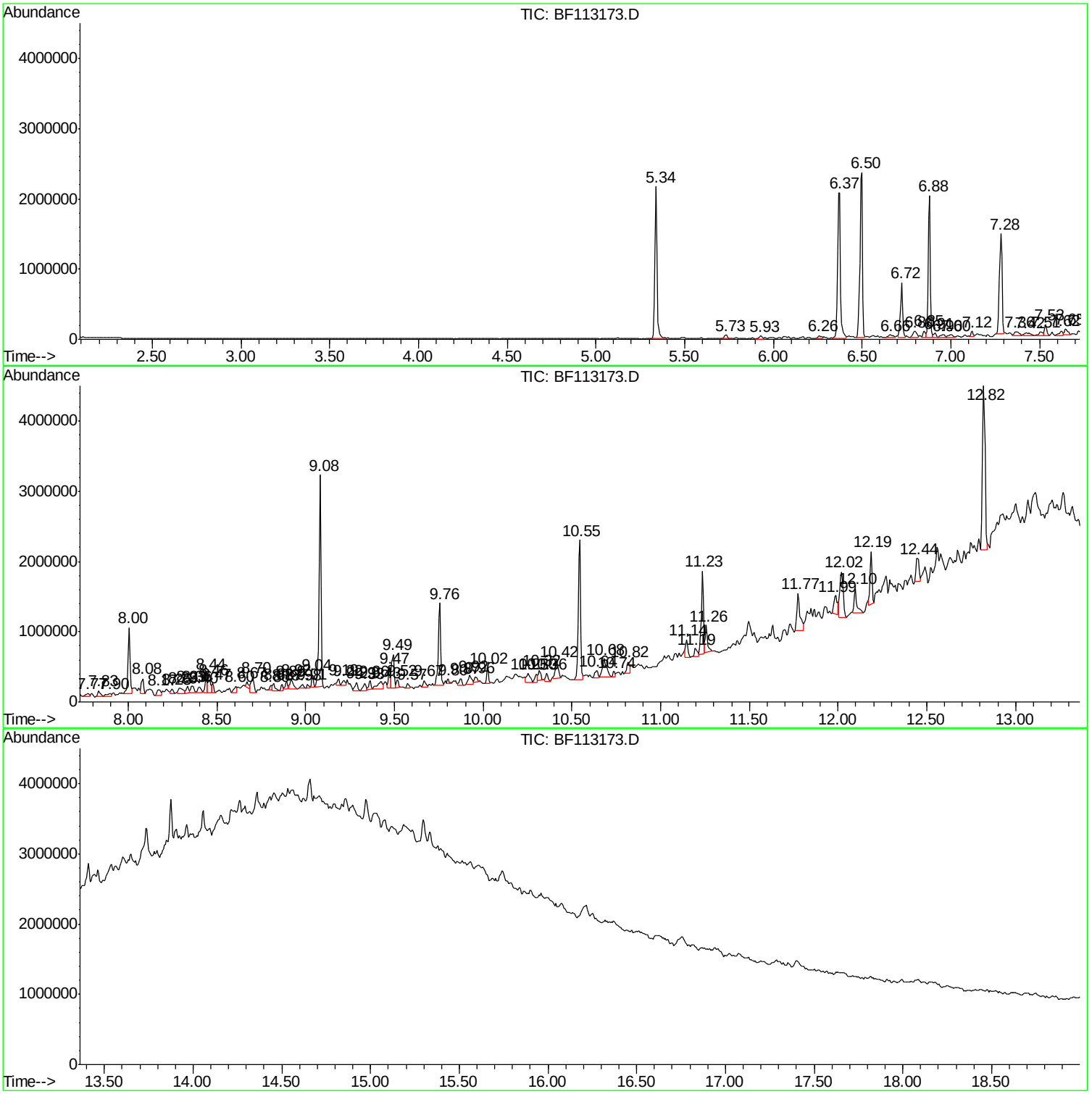
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF032019\
Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

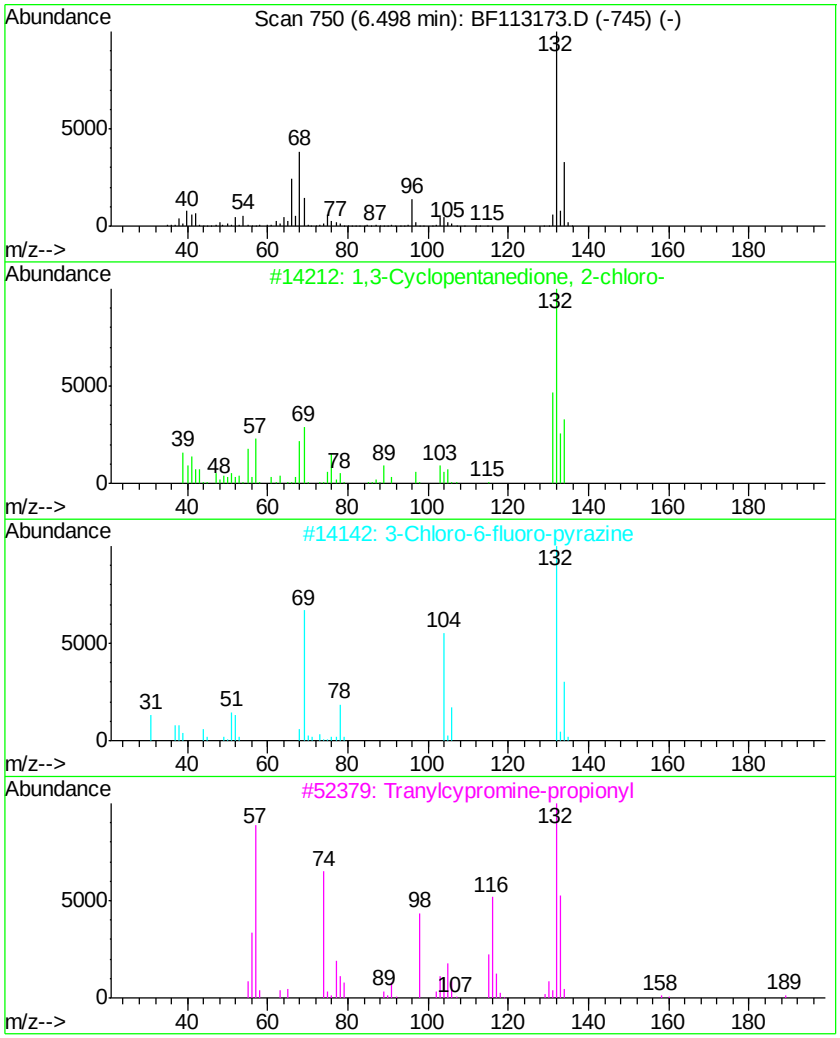
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

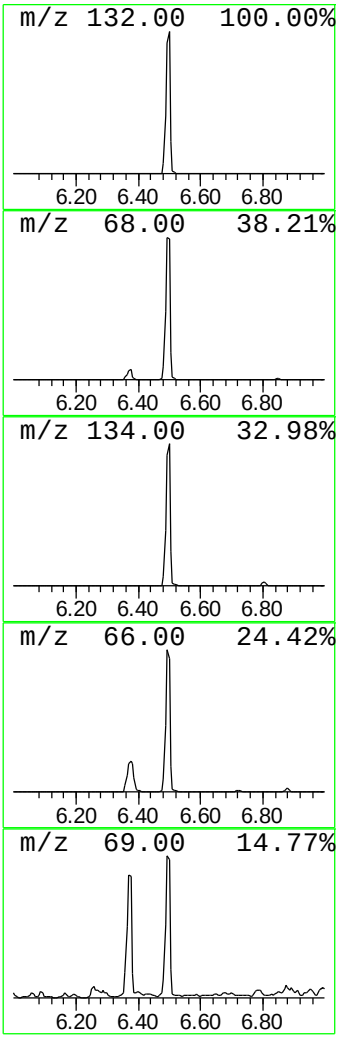
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	71.52 ng	2294050	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	47
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113173.D
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Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

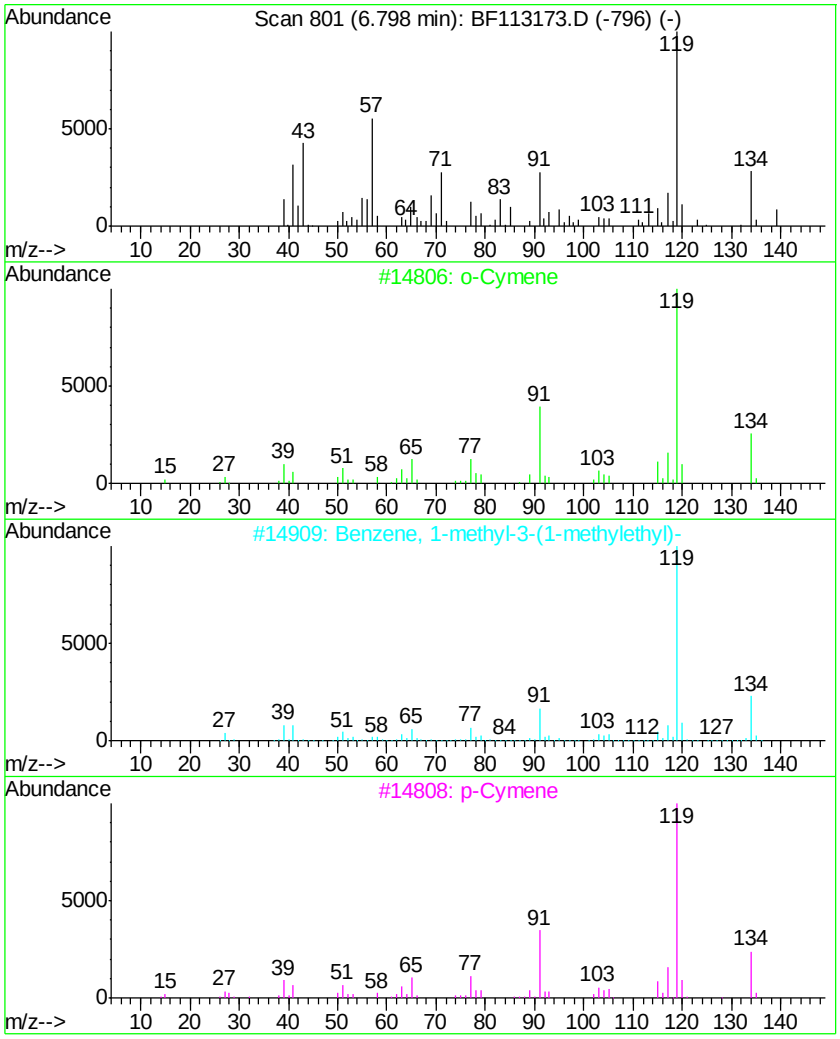
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

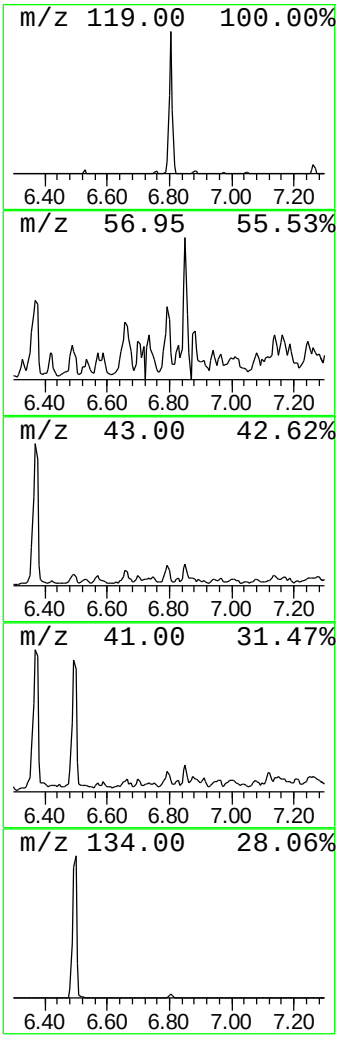
****

Peak Number 2 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	4.24 ng	136157	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	p-Cymene	134	C10H14	000099-87-6	89
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

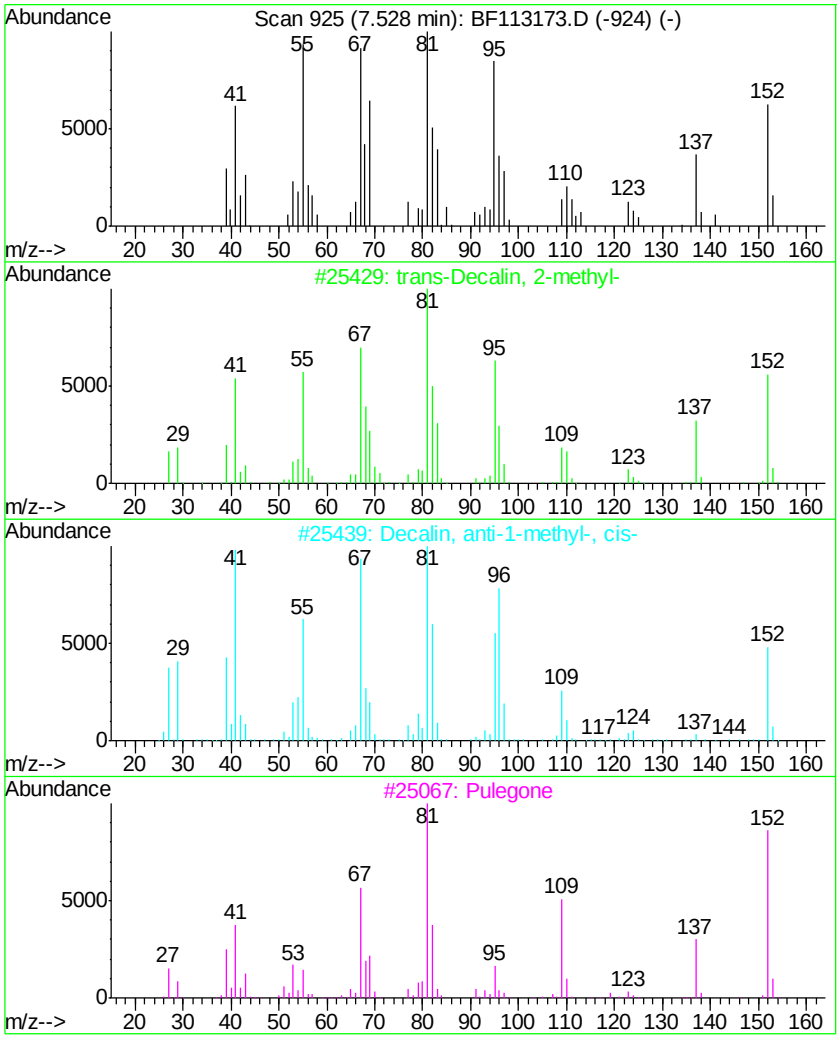
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

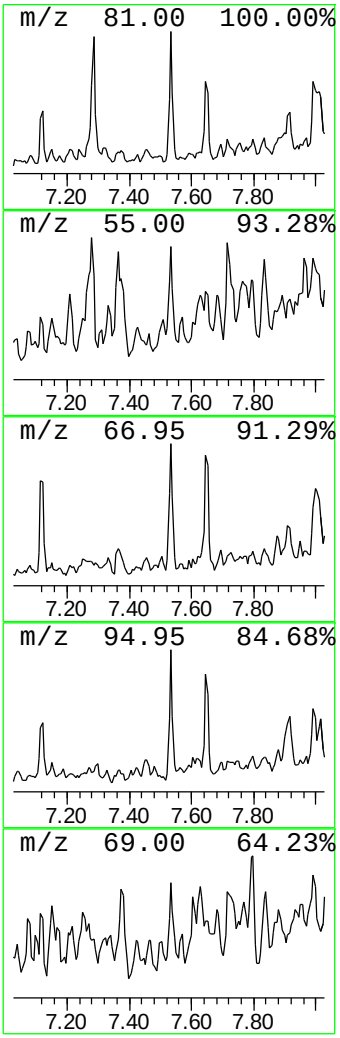
****

Peak Number 4 trans-Decalin, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	3.17 ng	138345	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	76
3	Pulegone	152	C10H16O	000089-82-7	76
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68





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Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

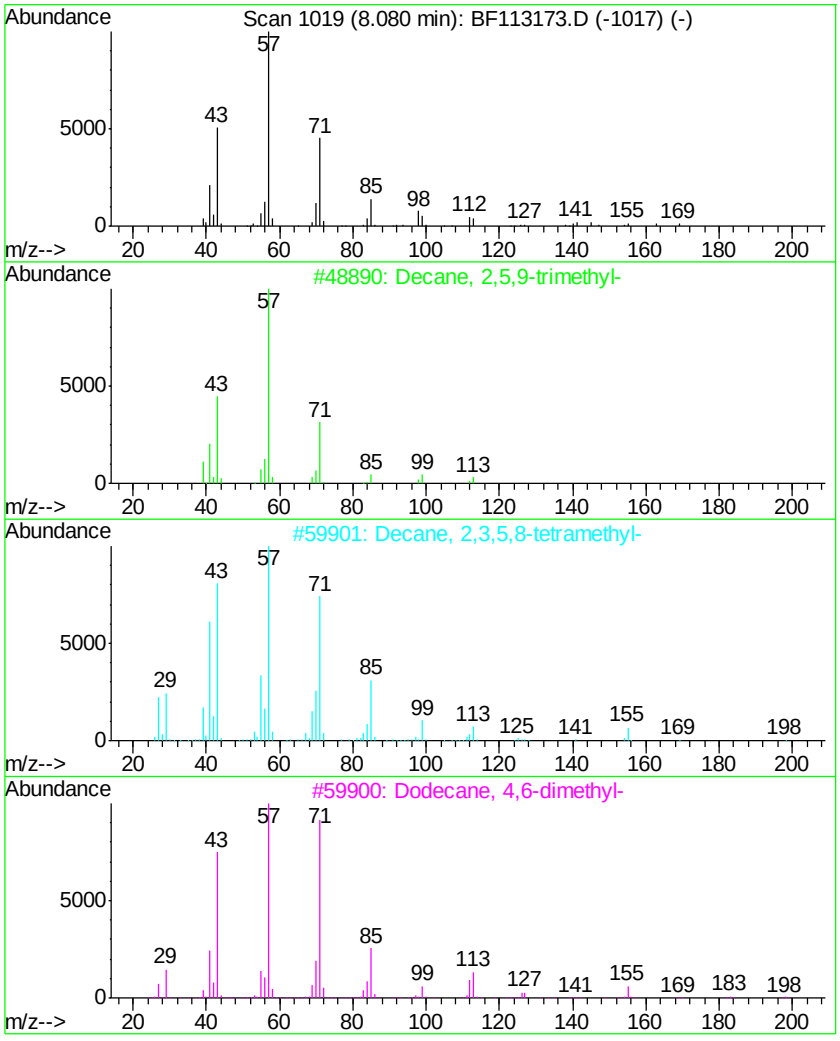
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

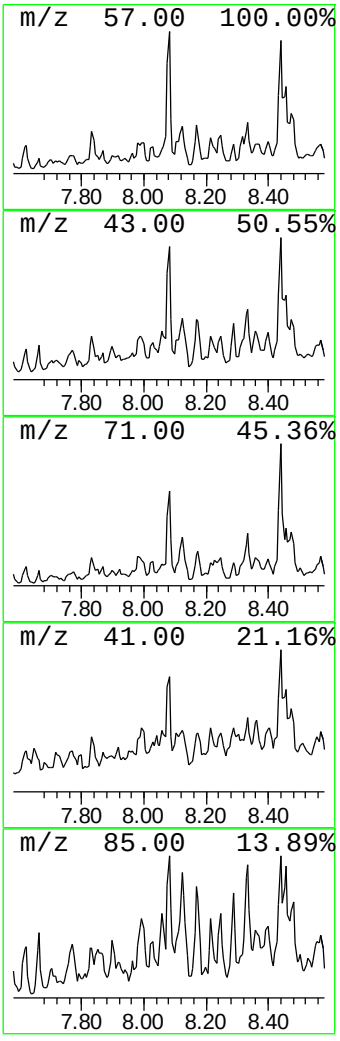
****

Peak Number 5 Decane, 2,5,9-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	3.44 ng	150005	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
2	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59





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Data File : BF113173.D
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Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

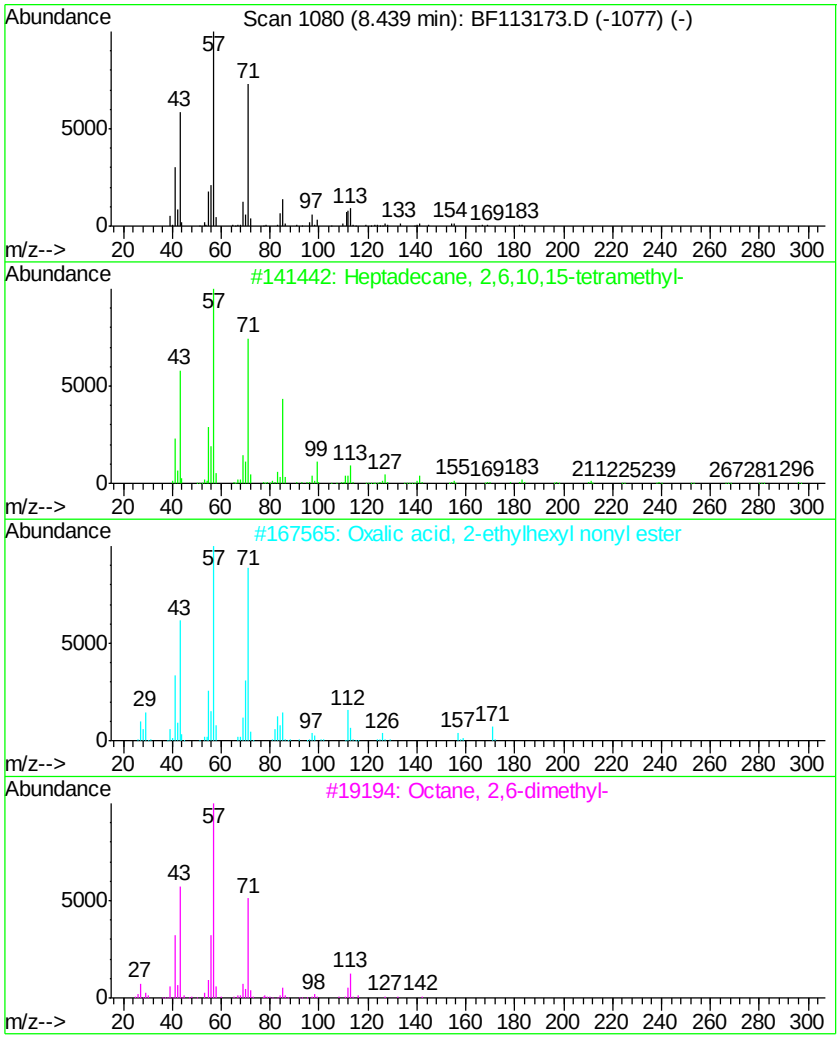
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

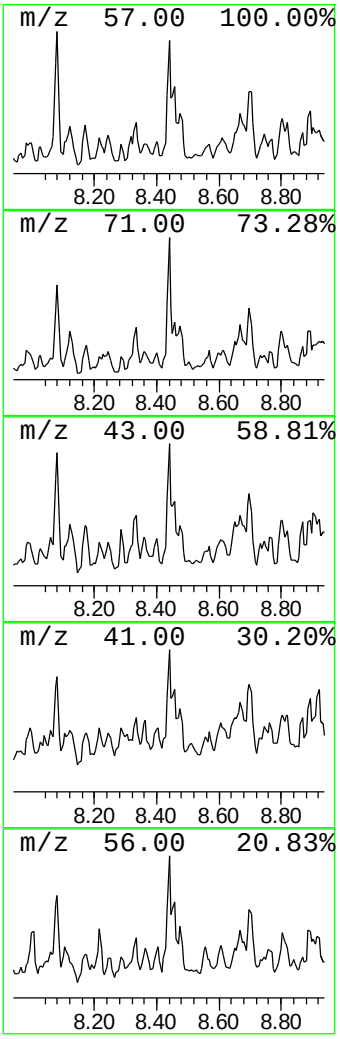
****

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	4.93 ng	215052	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	78
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

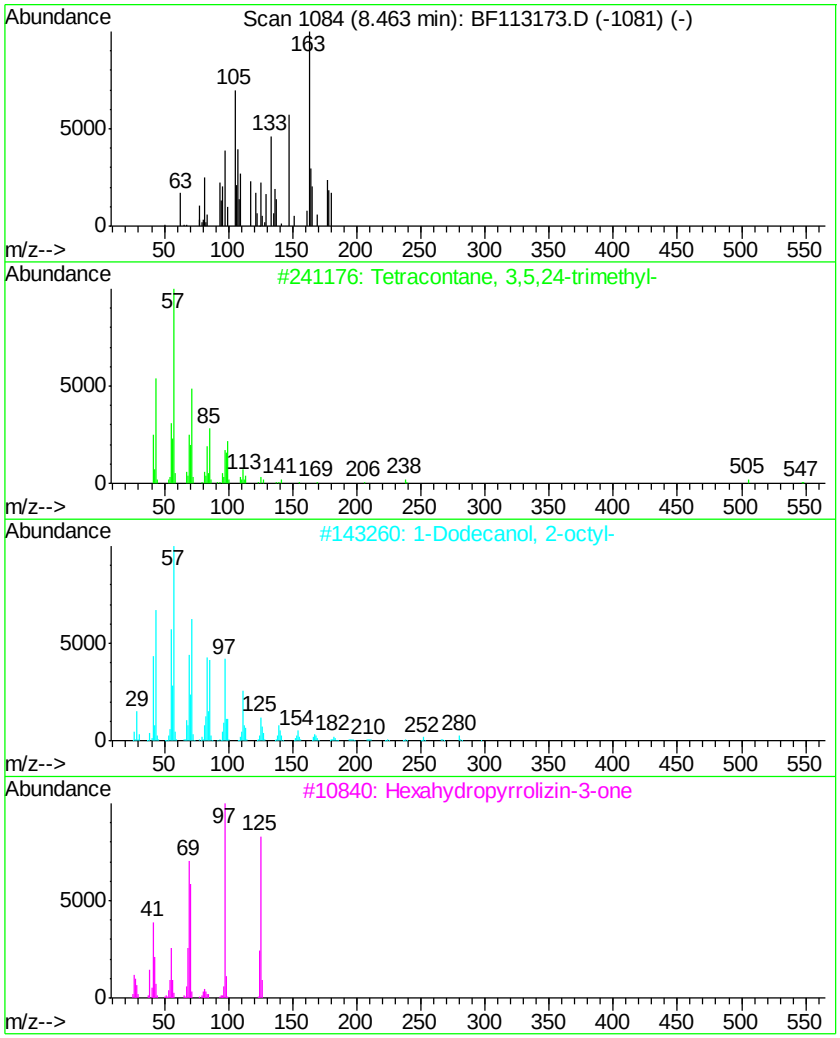
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

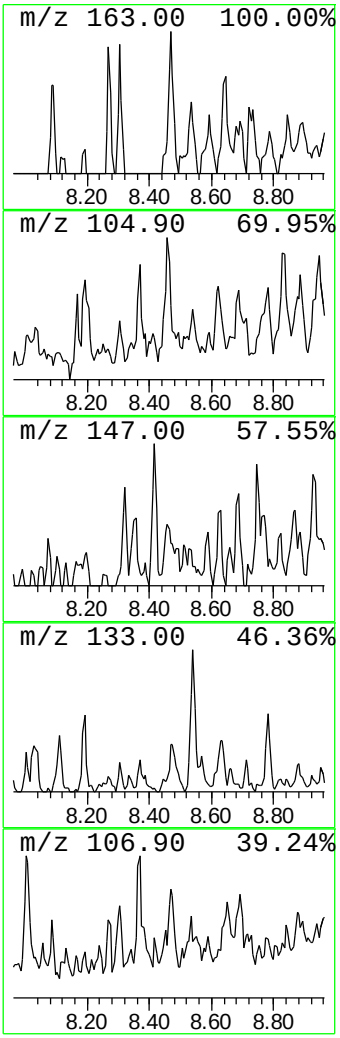
****

Peak Number 7 unknown8.46 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	4.48 ng	195329	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	43
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	38
3	Hexahydropyrrolizin-3-one	125	C7H11NO	126424-83-7	38
4	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	38
5	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	37





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Sample : K1971-02
Misc :
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ClientSampleId : SB-8(14-15)-031519

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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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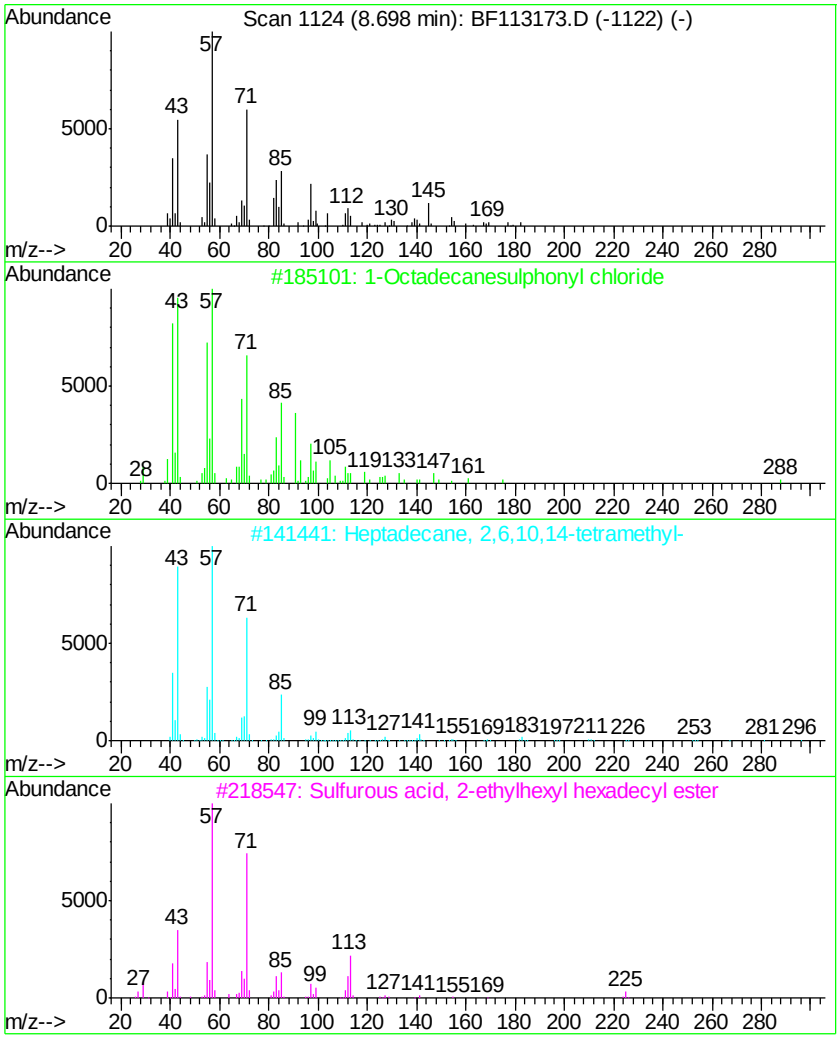
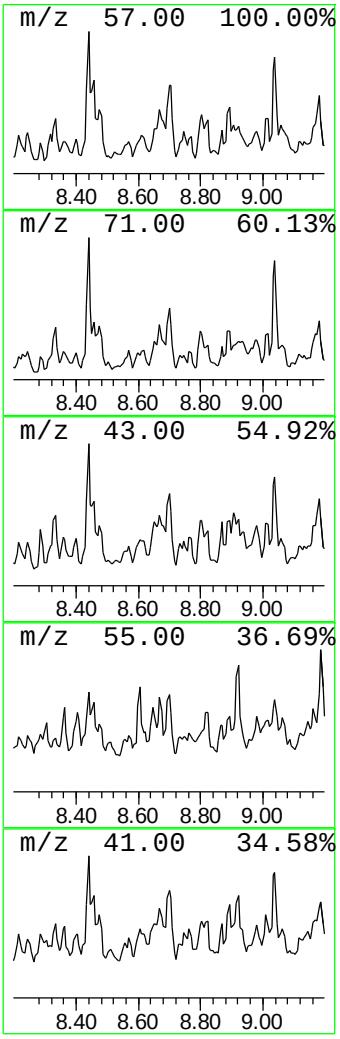
Peak Number 8 1-Octadecanesulphonyl chloride Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	5.10 ng	222191	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	47
3	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	43
4	Hexadecane	226	C16H34	000544-76-3	43
5	Decane, 5-propyl-	184	C13H28	017312-62-8	43





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

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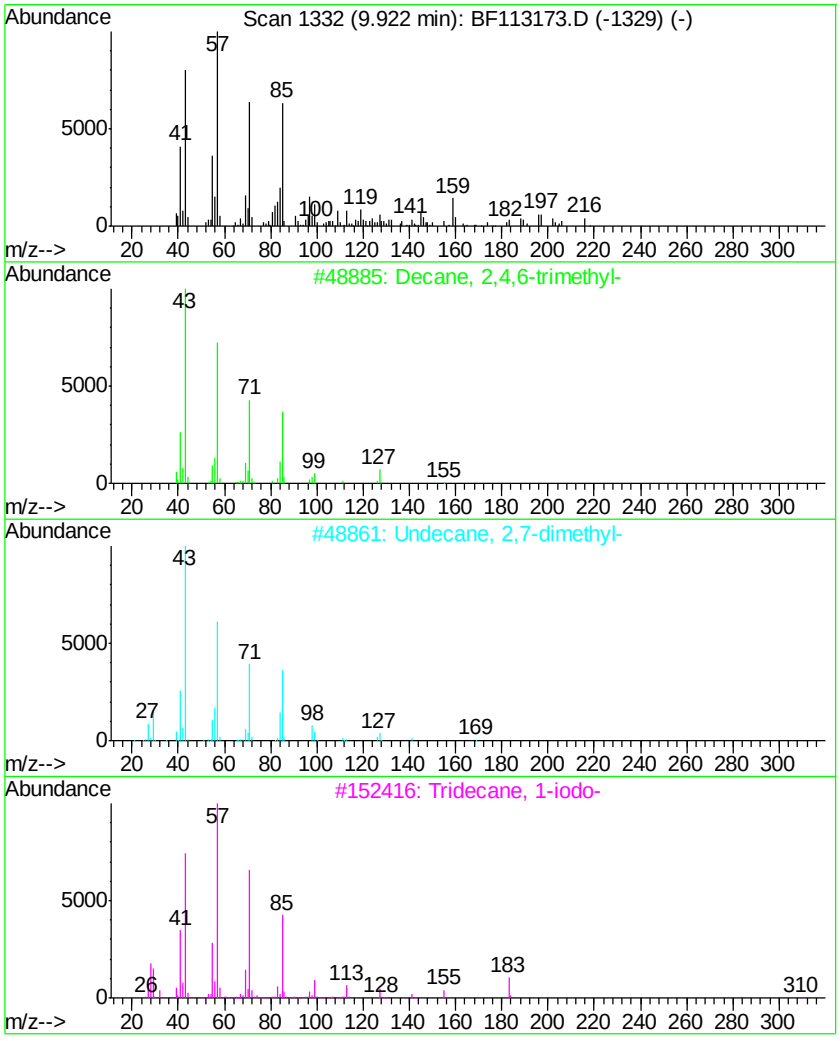
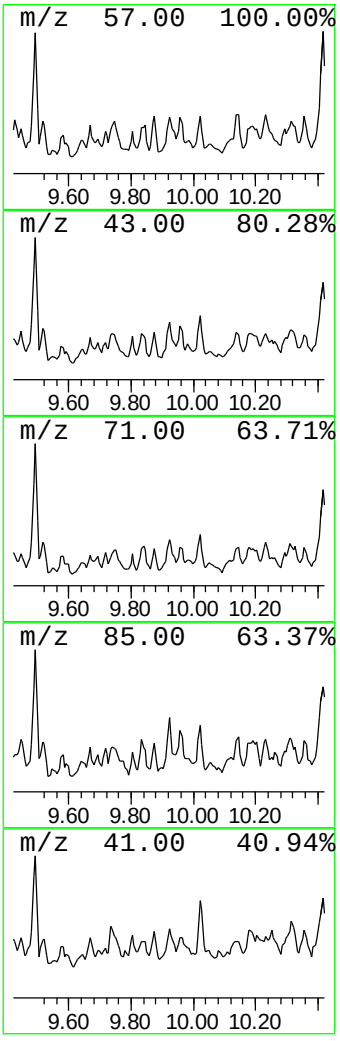
Peak Number 9 Decane, 2,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	3.23 ng	188790	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	72
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	59
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58
4	Octacosane	394	C28H58	000630-02-4	53
5	Tetratetracontane	619	C44H90	007098-22-8	49





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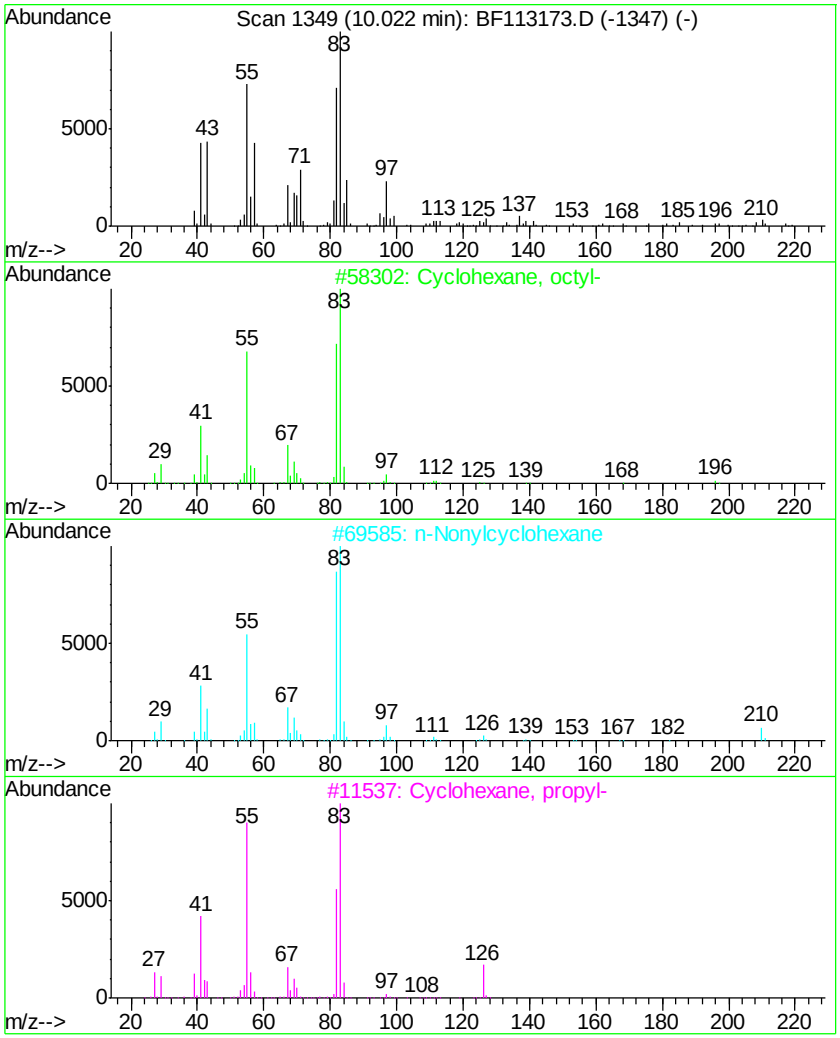
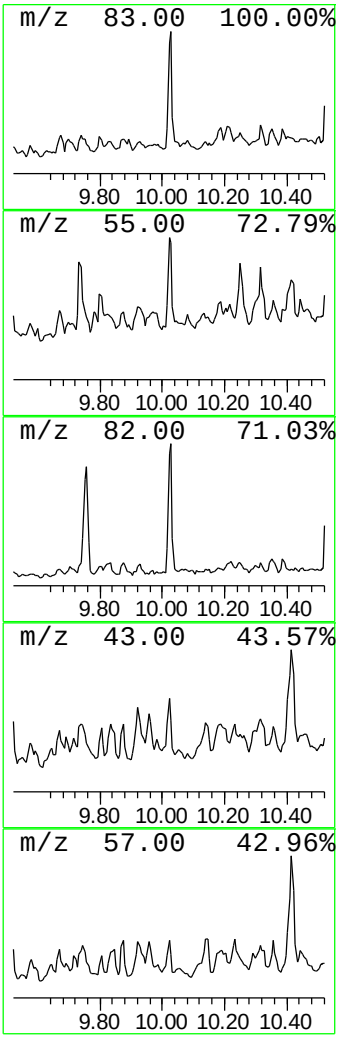
Peak Number 10 Cyclohexane, octyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	3.32 ng	193960	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, octyl-	196	C14H28	001795-15-9	70
2	n-Nonylcyclohexane	210	C15H30	002883-02-5	59
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	53





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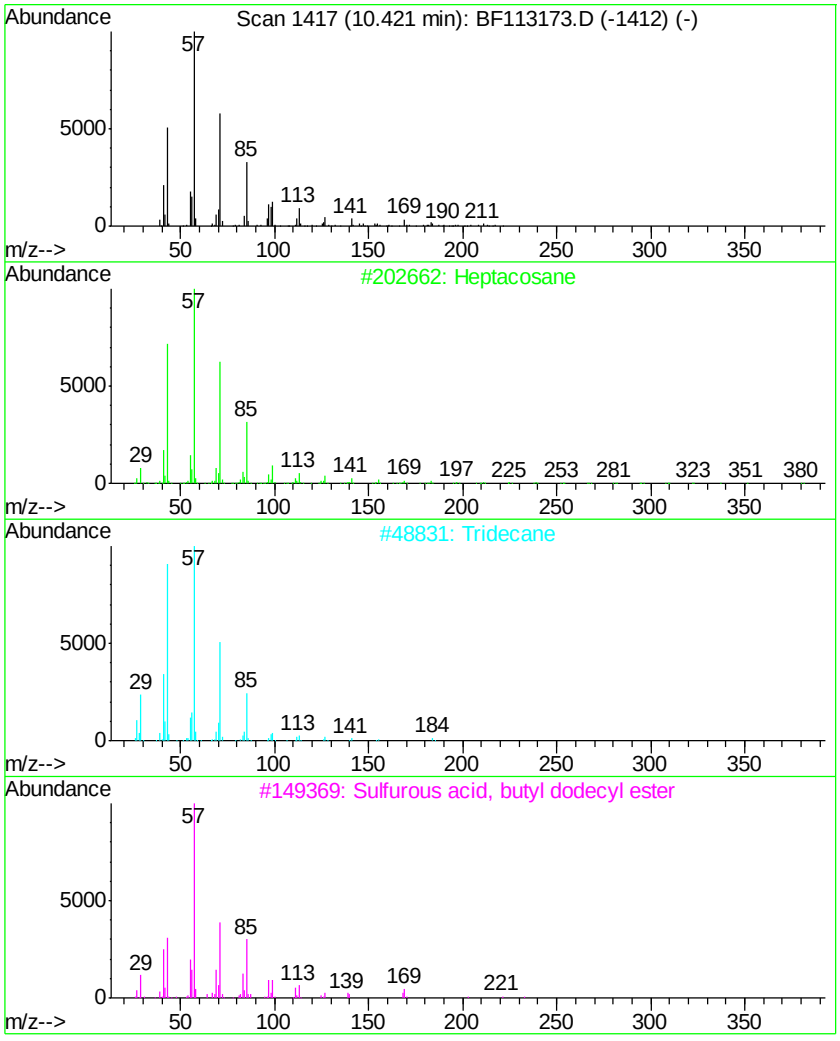
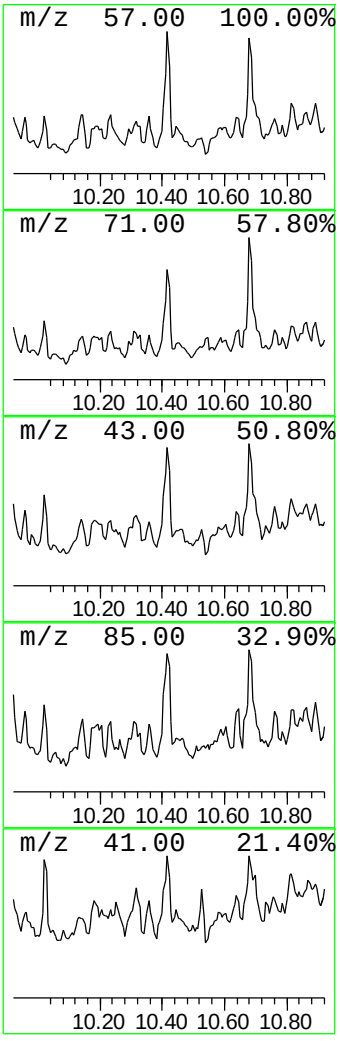
Peak Number 11 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	4.86 ng	284083	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Tridecane	184	C13H28	000629-50-5	83
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	78
4	Heneicosane	296	C21H44	000629-94-7	72
5	Octadecane	254	C18H38	000593-45-3	72





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TIC Integration Parameters: LSCINT.P

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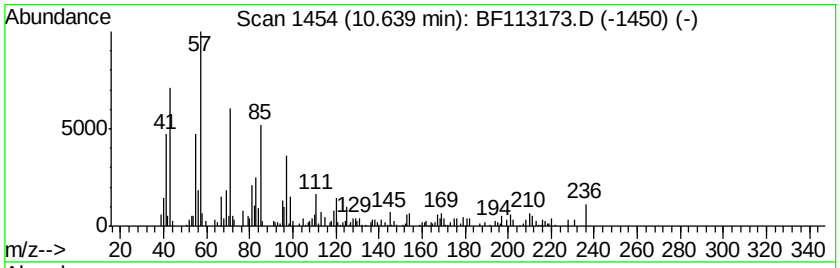
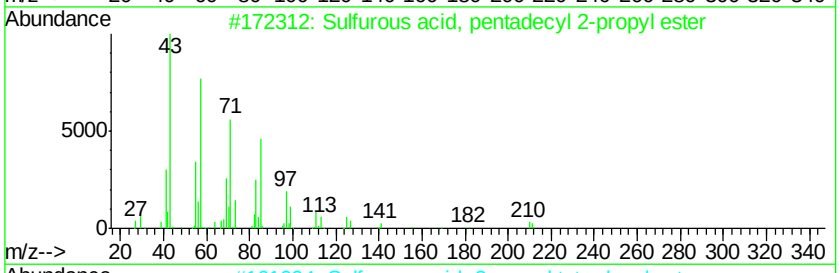
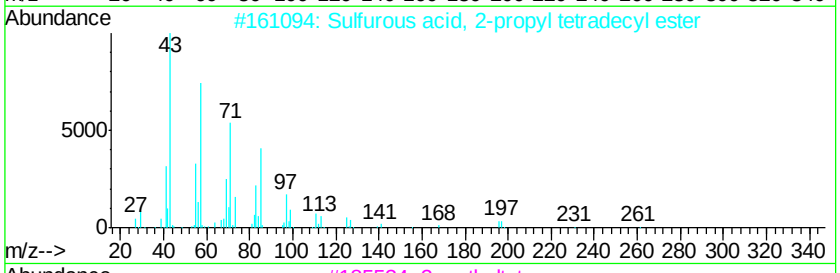
Peak Number 12 Sulfurous acid, pentadecyl ... Concentration Rank 18

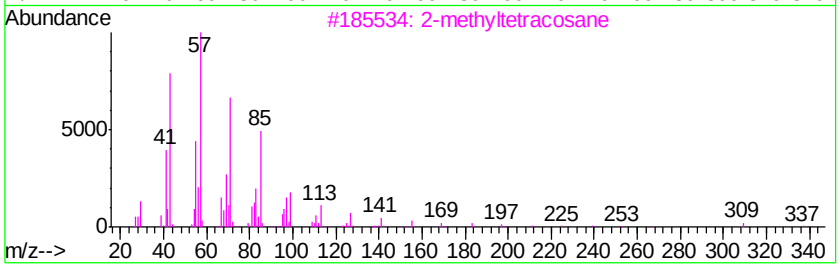
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	3.31 ng	164511	Phenanthrene-d10	11.23

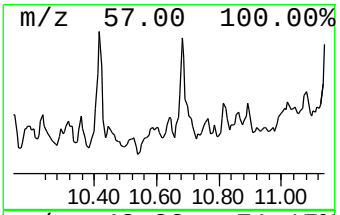
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	52
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	52
3	2-methyltetracosane	352	C25H52	1000376-72-6	47
4	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	47
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46

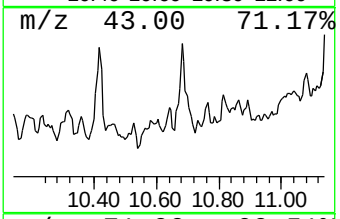


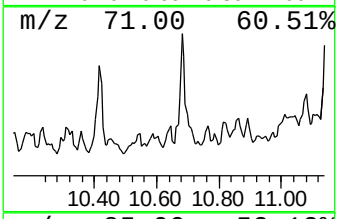


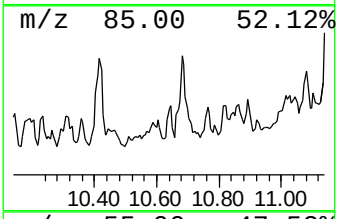


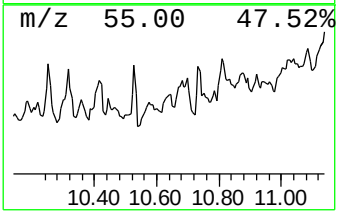












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Sample : K1971-02
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

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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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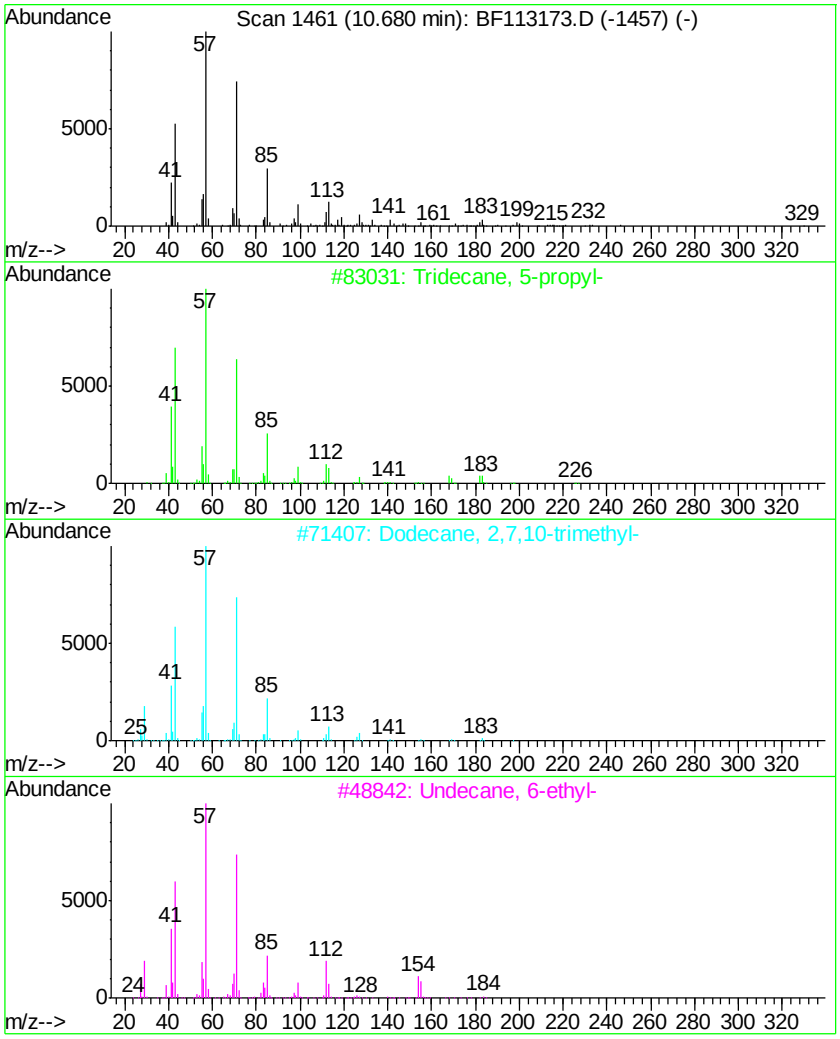
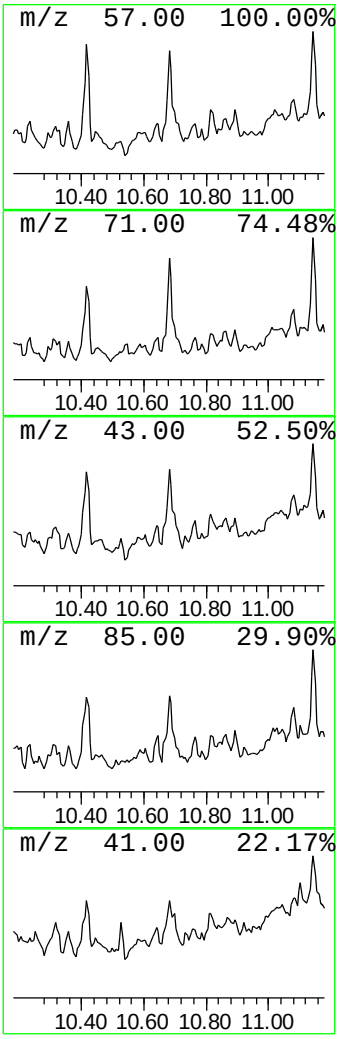
Peak Number 13 Tridecane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	8.69 ng	432270	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





Library Search Compound Report

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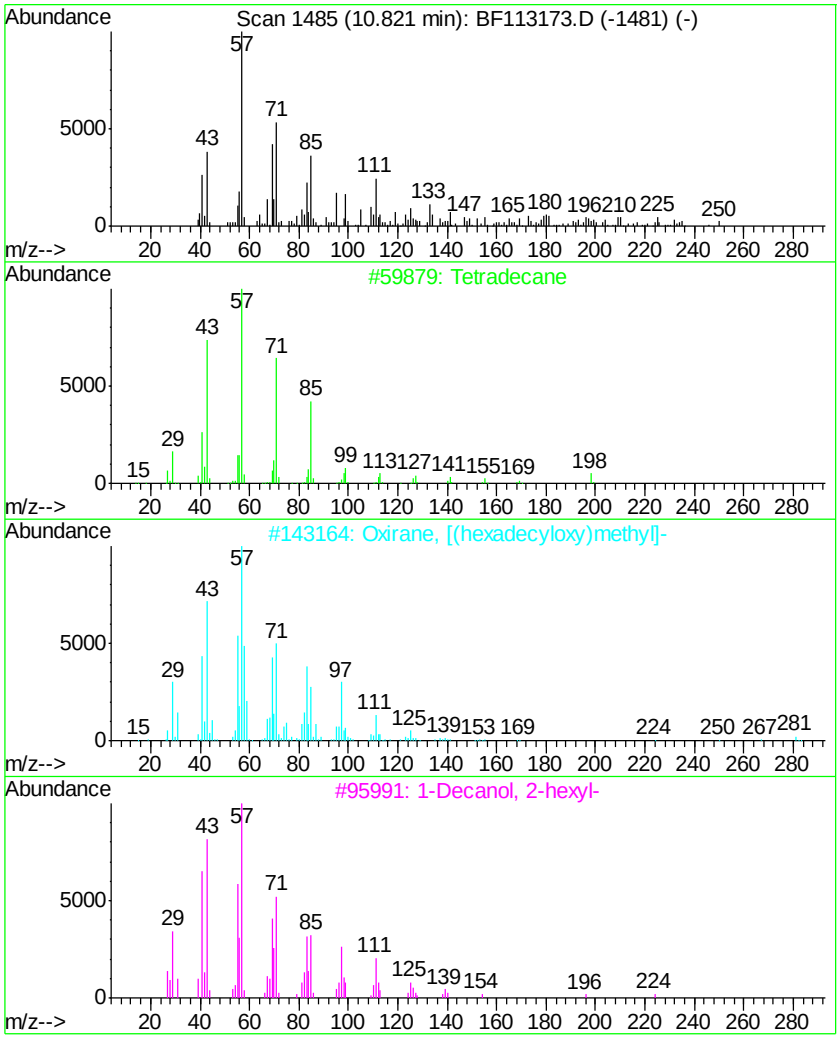
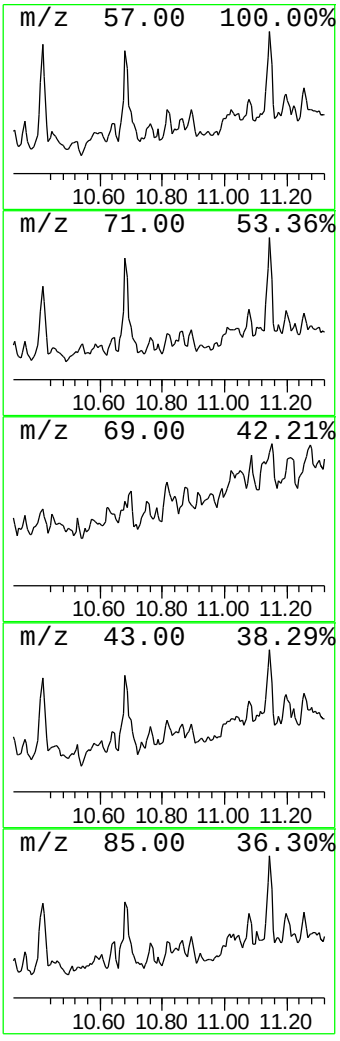
Peak Number 14 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	3.98 ng	197826	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	72
3	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	64
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	52
5	Hexadecane	226	C16H34	000544-76-3	50





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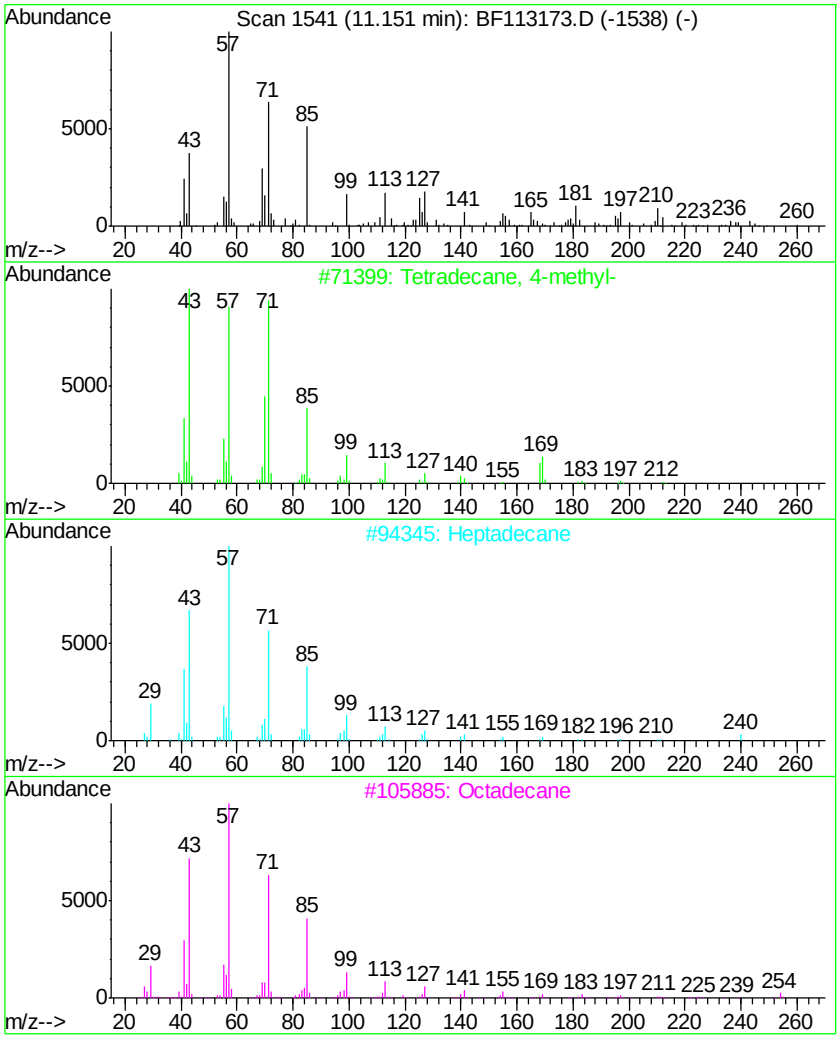
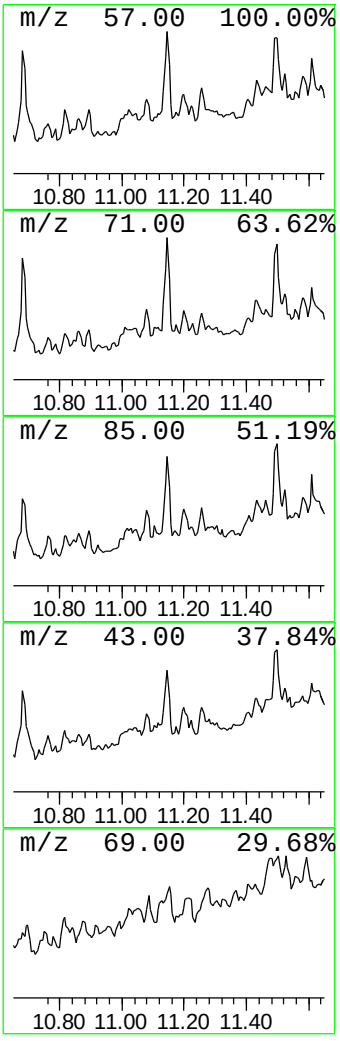
Peak Number 15 Tetradecane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	5.04 ng	250822	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	86
2	Heptadecane	240	C17H36	000629-78-7	83
3	Octadecane	254	C18H38	000593-45-3	83
4	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80





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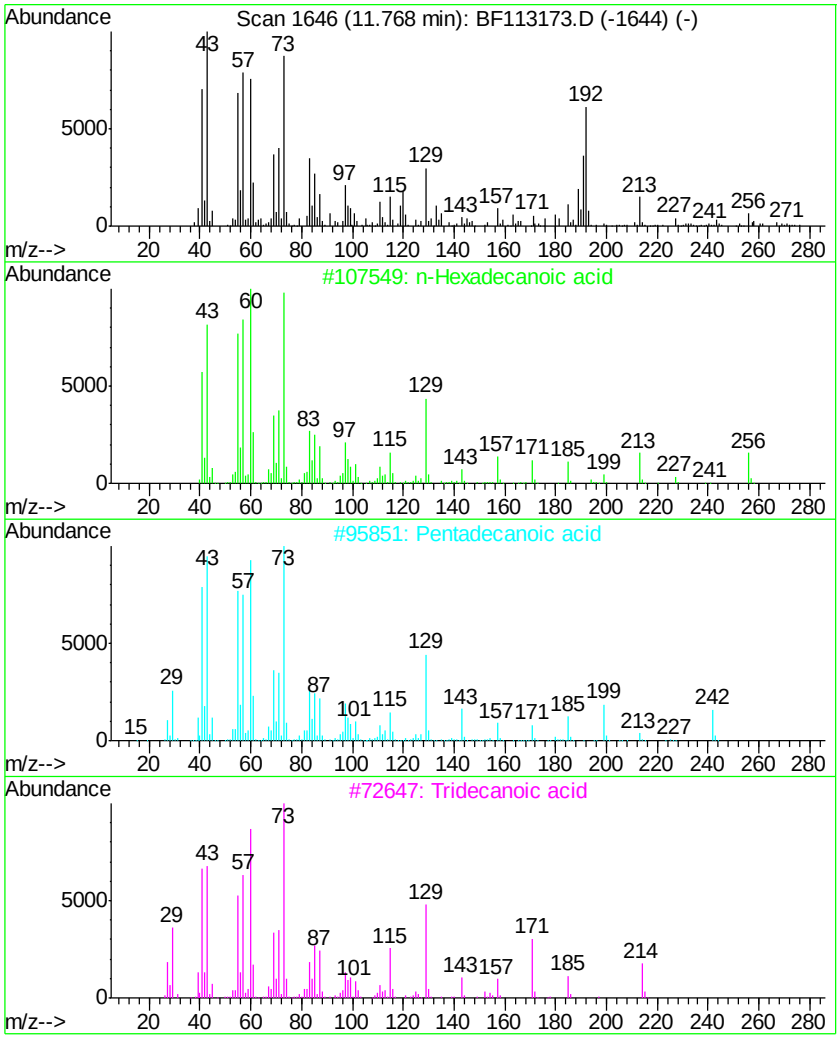
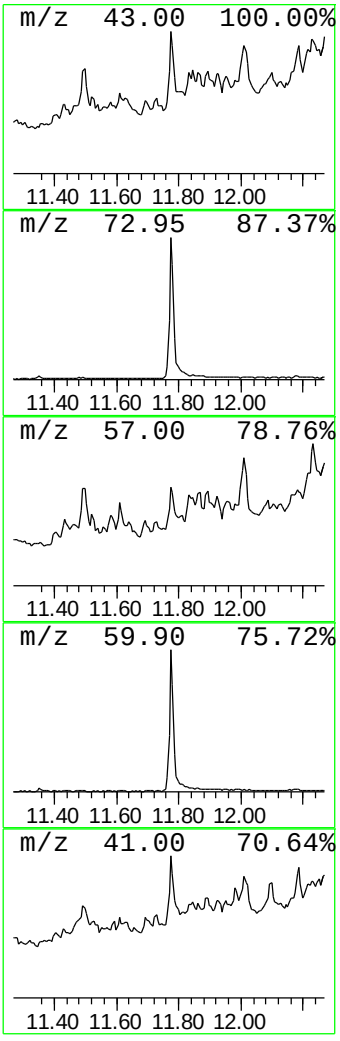
Peak Number 16 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	13.80 ng	686883	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Octadecanoic acid	284	C18H36O2	000057-11-4	49





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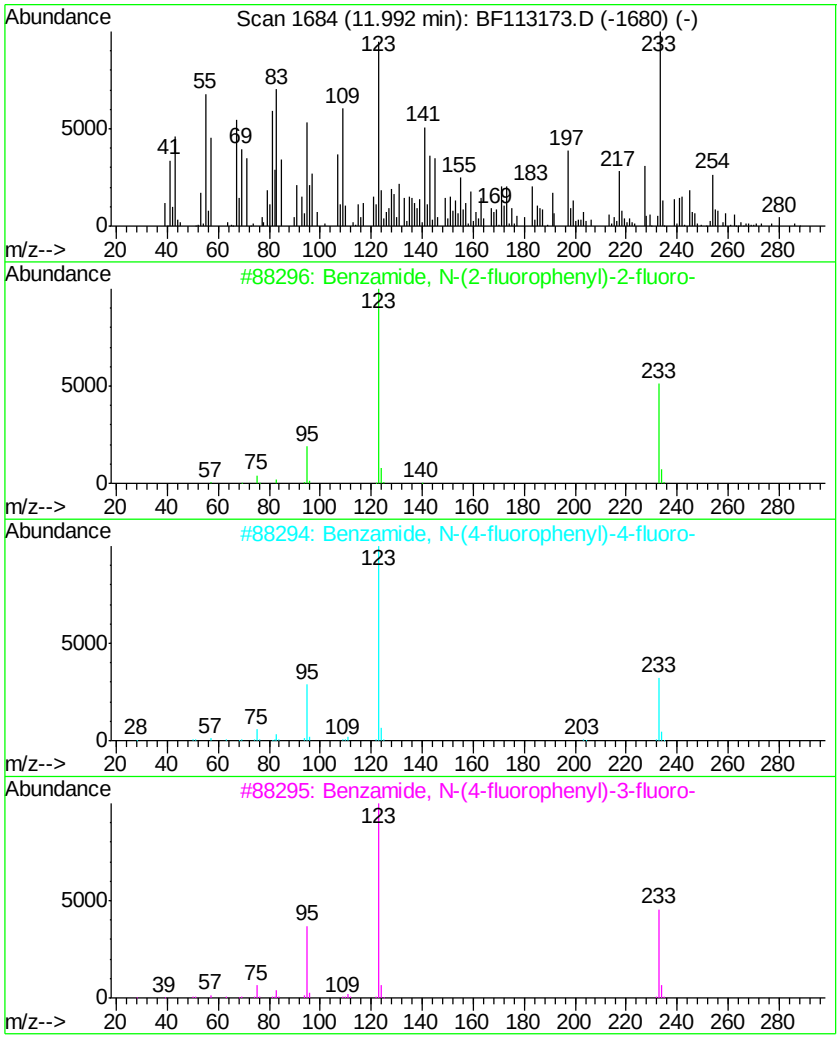
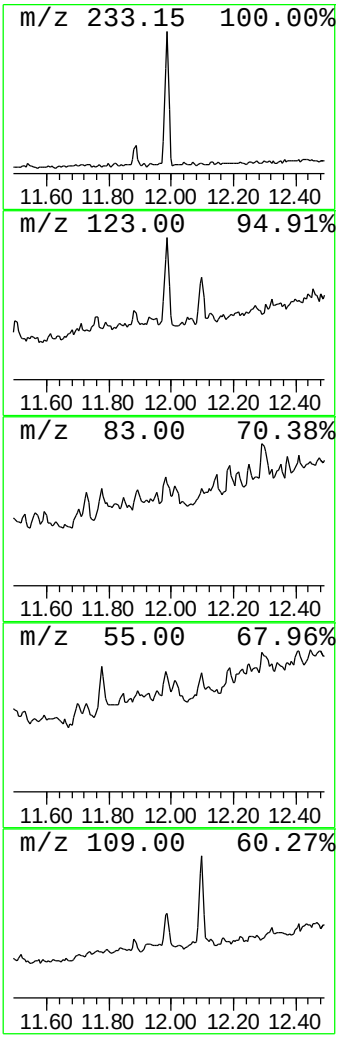
Peak Number 17 unknown11.99 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	6.58 ng	327302	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	46
2	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	46
3	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	43
4	photocitral A	152	C10H16O	055253-28-6	25
5	Benzamide, N-(4-fluorophenyl)-2-...	233	C13H9F2NO	1000307-07-9	22





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Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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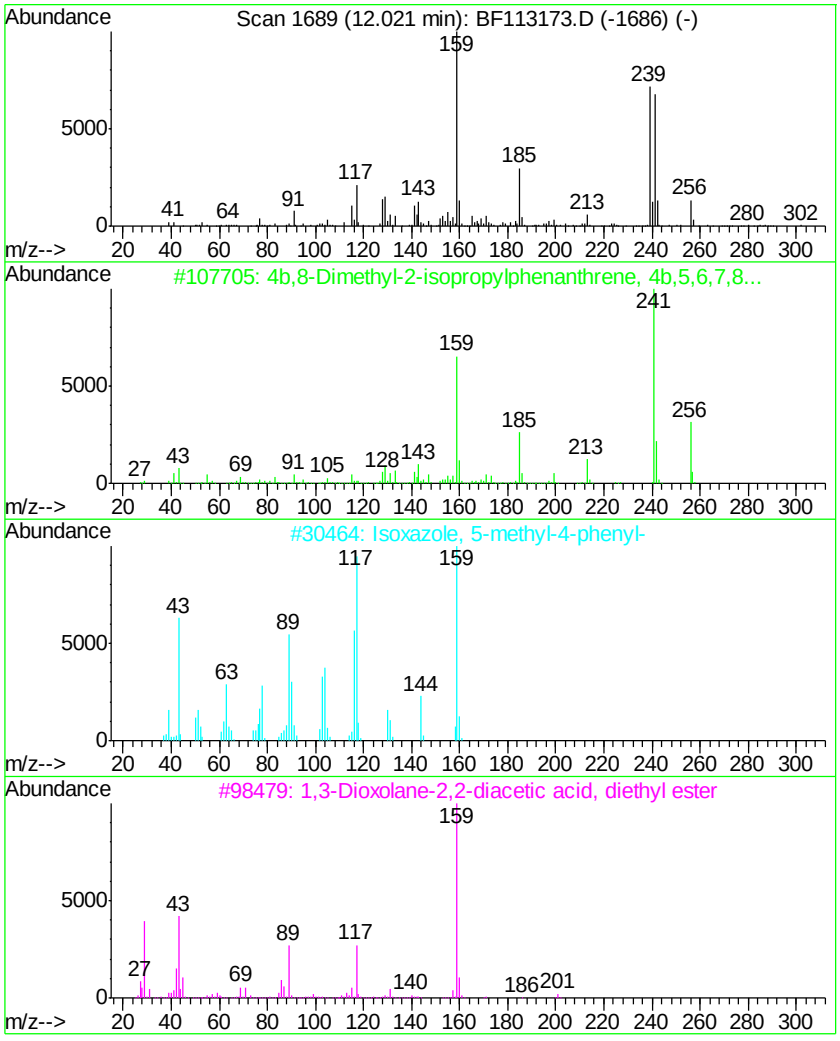
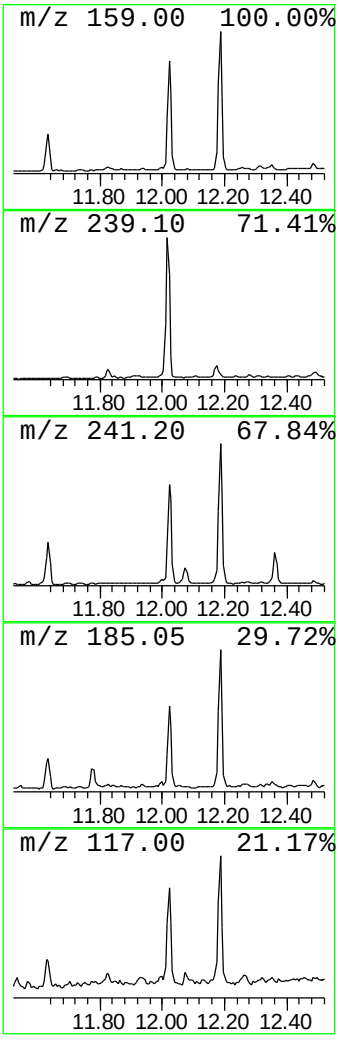
Peak Number 18 Isoxazole, 5-methyl-4-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	14.88 ng	740351	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	86
2	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	35
3	1,3-Dioxolane-2,2-diacetic acid,...	246	C11H18O6	071022-90-7	35
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	25
5	1H-Inden-1-one, 2,3-dihydro-3,3,...	174	C12H14O	054484-71-8	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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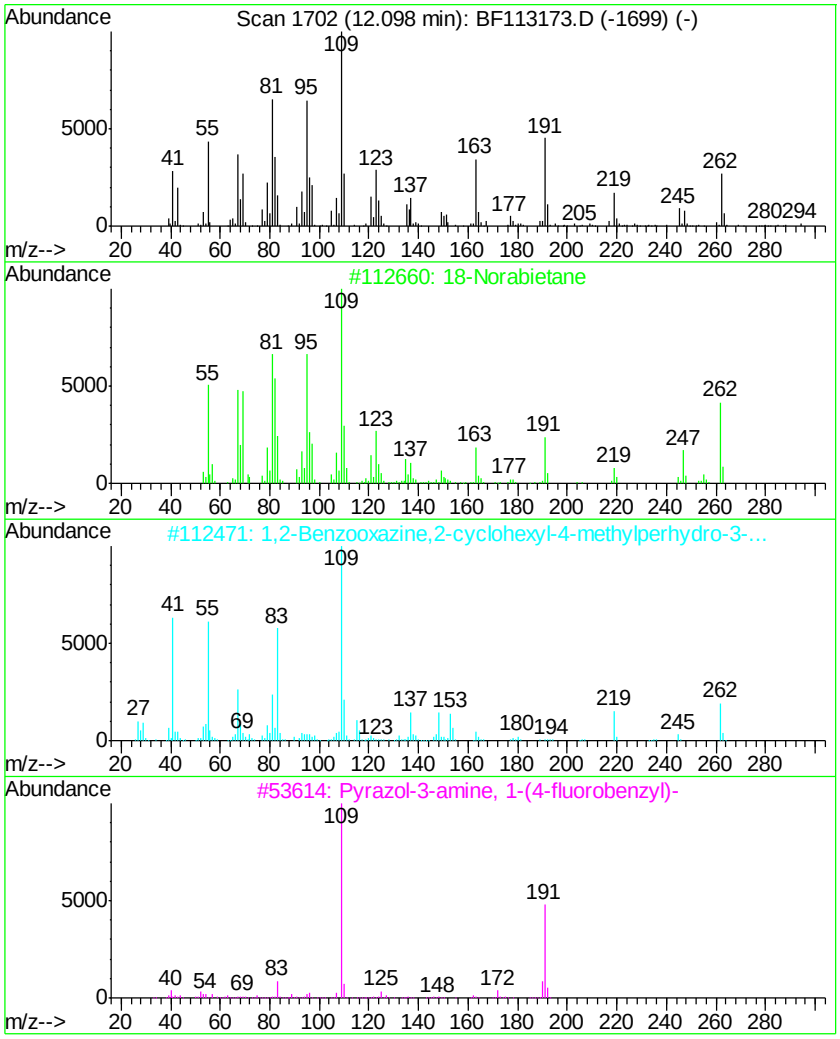
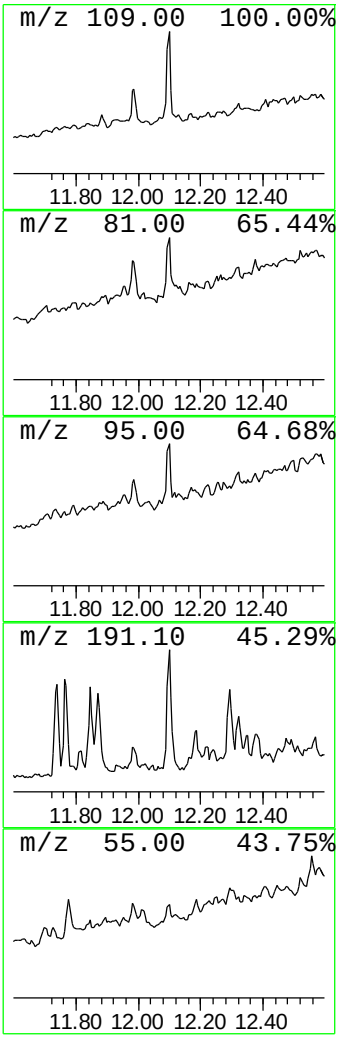
Peak Number 19 18-Norabietane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.55 ng	375878	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	42
3	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
4	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	32
5	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-95-3	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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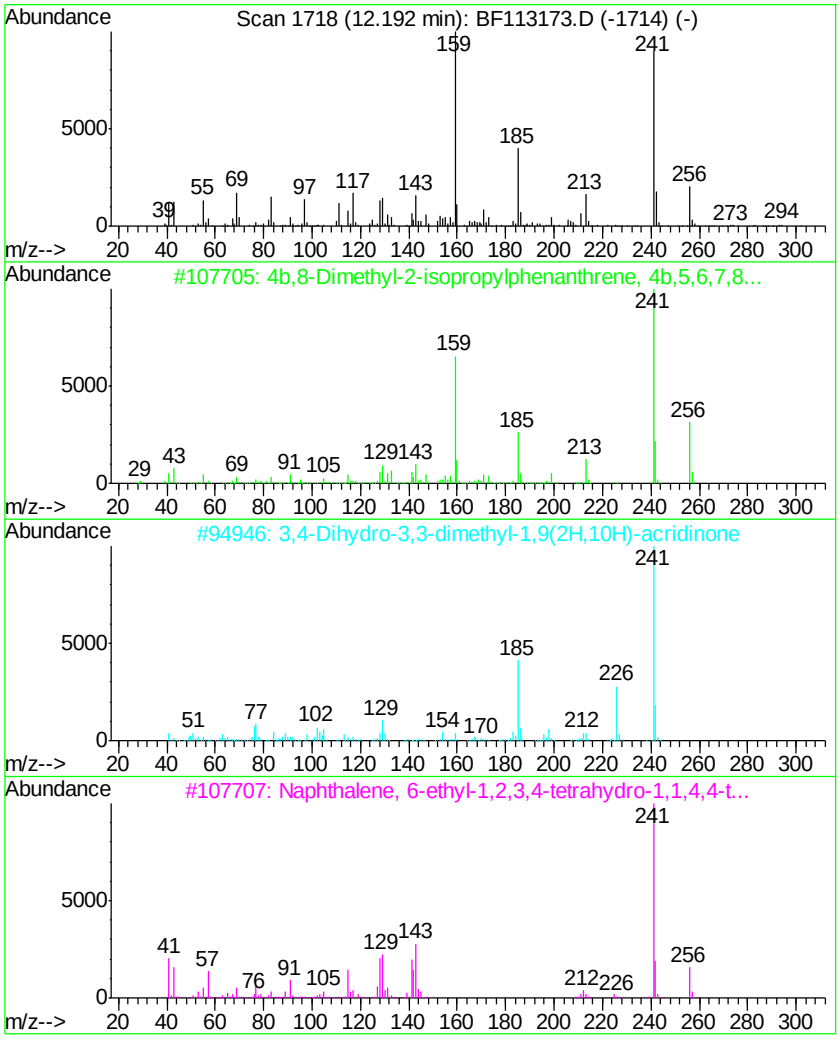
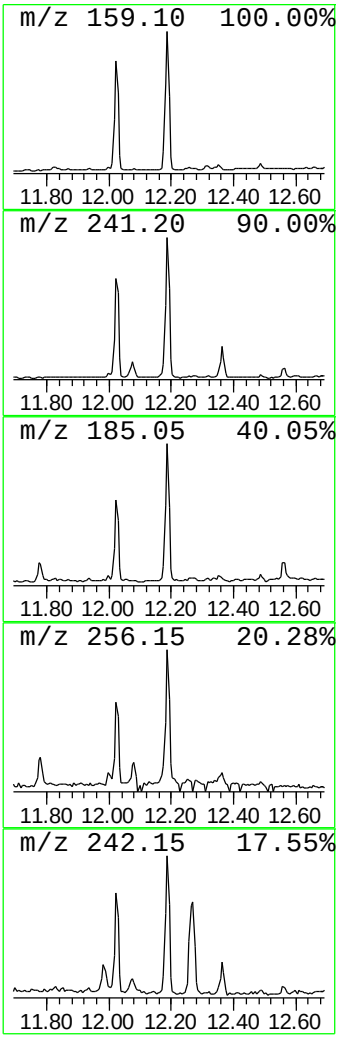
Peak Number 20 4b,8-Dimethyl-2-isopropylph... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	13.28 ng	660710	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	43
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
4	Silane, diethylbutoxy(2-fluoroph...	270	C14H23FO2Si	1000363-30-0	38
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113173.D
Acq On : 20 Mar 2019 16:10
Operator : JU/SJ
Sample : K1971-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(14-15)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	71.5	ng	2294050	1	6.72	641521	20.0
o-Cymene	6.80	4.2	ng	136157	1	6.72	641521	20.0
trans-Decalin, 2-...	7.53	3.2	ng	138345	2	8.00	871864	20.0
Decane, 2,5,9-tri...	8.08	3.4	ng	150005	2	8.00	871864	20.0
Heptadecane, 2,6,...	8.44	4.9	ng	215052	2	8.00	871864	20.0
unknown8.46	8.46	4.5	ng	195329	2	8.00	871864	20.0
1-Octadecanesulph...	8.70	5.1	ng	222191	2	8.00	871864	20.0
Decane, 2,4,6-tri...	9.92	3.2	ng	188790	3	9.76	1168650	20.0
Cyclohexane, octyl-	10.02	3.3	ng	193960	3	9.76	1168650	20.0
Heptacosane	10.42	4.9	ng	284083	3	9.76	1168650	20.0
Sulfurous acid, p...	10.64	3.3	ng	164511	4	11.23	995263	20.0
Tridecane, 5-propyl-	10.68	8.7	ng	432270	4	11.23	995263	20.0
Tetradecane	10.82	4.0	ng	197826	4	11.23	995263	20.0
Tetradecane, 4-me...	11.15	5.0	ng	250822	4	11.23	995263	20.0
n-Hexadecanoic acid	11.77	13.8	ng	686883	4	11.23	995263	20.0
unknown11.99	11.99	6.6	ng	327302	4	11.23	995263	20.0
Isoxazole, 5-meth...	12.02	14.9	ng	740351	4	11.23	995263	20.0
18-Norabietane	12.10	7.5	ng	375878	4	11.23	995263	20.0
4b,8-Dimethyl-2-i...	12.19	13.3	ng	660710	4	11.23	995263	20.0