LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126175.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.445	566	571	574	rBV	2251207	2296624	58.95%	6.164%
2	6.463	738	744	747	rBV	2653476	2709179	69.54%	7.272%
3	6.586	761	765	767	rBV2	72838	65486	1.68%	0.176%
4	6.739	786	791	792	rBV3	51364	55878	1.43%	0.150%
5	6.798	796	801	803	rVV3	72255	92111	2.36%	0.247%
6	6.828	803	806	810	rVV	835891	763505	19.60%	2.049%
7	6.898	814	818	820	rBV3	59699	61663	1.58%	0.166%
8	6.928	820	823	825	rBV3	59116	64548	1.66%	0.173%
9	7.016	836	838	841	rVB2	72191	56380	1.45%	0.151%
10	7.063	844	846	849	rVB3	57467	65118	1.67%	0.175%
11	7.110	849	854	858	rBV4	83204	133285	3.42%	0.358%
12	7.186	863	867	869	rBV3	38302	52203	1.34%	0.140%
13	7.257	874	879	886	rBV6	103882	218433	5.61%	0.586%
14	7.310	886	888	892	rBV3	92454	98576	2.53%	0.265%
15	7.392	892	902	905	rBV	2320140	2277755	58.47%	6.114%
16	7.428	905	908	913	rVB4	135508	201891	5.18%	0.542%
17	7.480	913	917	920	rBV4	201326	280574	7.20%	0.753%
18	7.528	923	925	928	rBV2	82246	82573	2.12%	0.222%
19	7.557	928	930	934	rBV3	84861	116259	2.98%	0.312%
20	7.616	937	940	941	rBV2	135905	136618	3.51%	0.367%
21	7.639	941	944	947	rVB2	419503	365350	9.38%	0.981%
22	7.669	947	949	952	rVB	90036	70989	1.82%	0.191%
23	7.710	952	956	962	rBV3	195404	312573	8.02%	0.839%
24	7.757	962	964	967	rBV2	175532	173464	4.45%	0.466%
25	7.786	967	969	972	rBV3	74172	68159	1.75%	0.183%
26	7.822	972	975	979	rBV3	161648	175857	4.51%	0.472%
27	7.880	979	985	987	rBV3	188498	304418	7.81%	0.817%
28	7.939	991	995	999	rBV4	182892	239895	6.16%	0.644%
29	7.998	1001	1005	1007	rBV3	341423	446552	11.46%	1.199%
30	8.016	1007	1008	1014	rVB3	346671	369185	9.48%	0.991%
31	8.063	1014	1016	1017	rBV	98669	63572	1.63%	0.171%
32	8.116	1017	1025	1029	rBV	1027734	1407944	36.14%	3.779%
33	8.163	1032	1033	1037	rVB3	186003	202927	5.21%	0.545%
34	8.204	1037	1040	1042	rBV3	199722	225403	5.79%	0.605%
35	8.292	1053	1055	1057	rBV2	116552	93921	2.41%	0.252%
36	8.327	1057	1061	1063	rVB	488430	449947	11.55%	1.208%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.357	1063	1066	1068	rBV3	139008	152764	3.92%	0.410%
38	8.404	1071	1074	1077	rVB4	213773	248061	6.37%	0.666%
39	8.439	1077	1080	1082	rBV4	158804	218997	5.62%	0.588%
40	8.469	1082	1085	1087	rBV	314364	322137	8.27%	0.865%
41	8.533	1094	1096	1099	rBV3	122500	110952	2.85%	0.298%
42	8.563	1099	1101	1103	rVV	554622	526559	13.52%	1.413%
43	8.580	1103	1104	1107	rVB	516489	355957	9.14%	0.955%
44	8.622	1108	1111	1114	rVB2	255106	264514	6.79%	0.710%
45	8.663	1114	1118	1122	rVB3	578725	622836	15.99%	1.672%
46	8.698	1122	1124	1128	rBV4	146183	188121	4.83%	0.505%
47	8.839	1146	1148	1149	rBV	174921	137700	3.53%	0.370%
48	8.863	1149	1152	1155	rVV3	326575	466948	11.99%	1.253%
49	8.904	1156	1159	1161	rVV3	267226	395832	10.16%	1.062%
50	8.945	1164	1166	1170	rVB6	153896	179429	4.61%	0.482%
51	8.998	1172	1175	1178	rBV3	312529	356038	9.14%	0.956%
52	9.116	1192	1195	1197	rVB4	322414	372673	9.57%	1.000%
53	9.145	1197	1200	1202	rBV4	113631	146894	3.77%	0.394%
54	9.192	1204	1208	1211	rVB	4718425	3895647	100.00%	10.456%
55	9.274	1219	1222	1226	rVB2	375184	425365	10.92%	1.142%
56	9.392	1239	1242	1245	rBV4	210290	285996	7.34%	0.768%
57	9.580	1272	1274	1278	rVB	614885	555791	14.27%	1.492%
58	9.622	1278	1281	1282	rBV3	128433	126095	3.24%	0.338%
59	9.686	1290	1292	1294	rVB2	212678	147180	3.78%	0.395%
60	9.745	1298	1302	1304	rVV	256452	263322	6.76%	0.707%
61	9.786	1306	1309	1311	rVB	399182	348553	8.95%	0.936%
62	9.869	1317	1323	1328	rBV	1414438	1430819	36.73%	3.840%
63	9.910	1328	1330	1334	rBV4	105632	156388	4.01%	0.420%
64	10.280	1391	1393	1397	rVB	170031	168376	4.32%	0.452%
65	10.657	1453	1457	1460	rBV	3025090	2357657	60.52%	6.328%
66	11.351	1572	1575	1579	rBV	1056330	952716	24.46%	2.557%
67	11.421	1584	1587	1590	rVB2	92445	70832	1.82%	0.190%
68	11.616	1616	1620	1624	rVB7	43750	52861	1.36%	0.142%
69	11.751	1640	1643	1646	rVB	154553	127436	3.27%	0.342%
70	11.851	1657	1660	1663	rVB3	61698	61892	1.59%	0.166%
71	11.939	1673	1675	1680	rBV2	124970	127379	3.27%	0.342%
72	12.051	1689	1694	1699	rBV2	94111	140024	3.59%	0.376%
73	12.139	1706	1709	1712	rVB2	143581	116875	3.00%	0.314%
74	12.210	1720	1721	1727	rVB5	54279	52545	1.35%	0.141%
75	12.304	1732	1737	1740	rBV3	65718	69557	1.79%	0.187%
76	12.380	1746	1750	1757	rBV	168050	187255	4.81%	0.503%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.480	1764	1767	1770	rVB	57457	55091	1.41%	0.148%
78	12.910	1837	1840	1842	rBV	60439	59187	1.52%	0.159%
79	12.939	1842	1845	1849	rVB	3487208	3236082	83.07%	8.686%
80	13.851	1995	2000	2010	rVB2	102355	197377	5.07%	0.530%
81	13.992	2020	2024	2027	rBV	702507	609151	15.64%	1.635%
82	15.456	2268	2273	2277	rBV	782948	894473	22.96%	2.401%
83	15.933	2351	2354	2359	rVB4	38264	56829	1.46%	0.153%
84	16.021	2363	2369	2375	rBV9	21364	53236	1.37%	0.143%
85	16.439	2435	2440	2446	rVB3	34532	58779	1.51%	0.158%
86	17.027	2534	2540	2547	rVB4	26199	51252	1.32%	0.138%

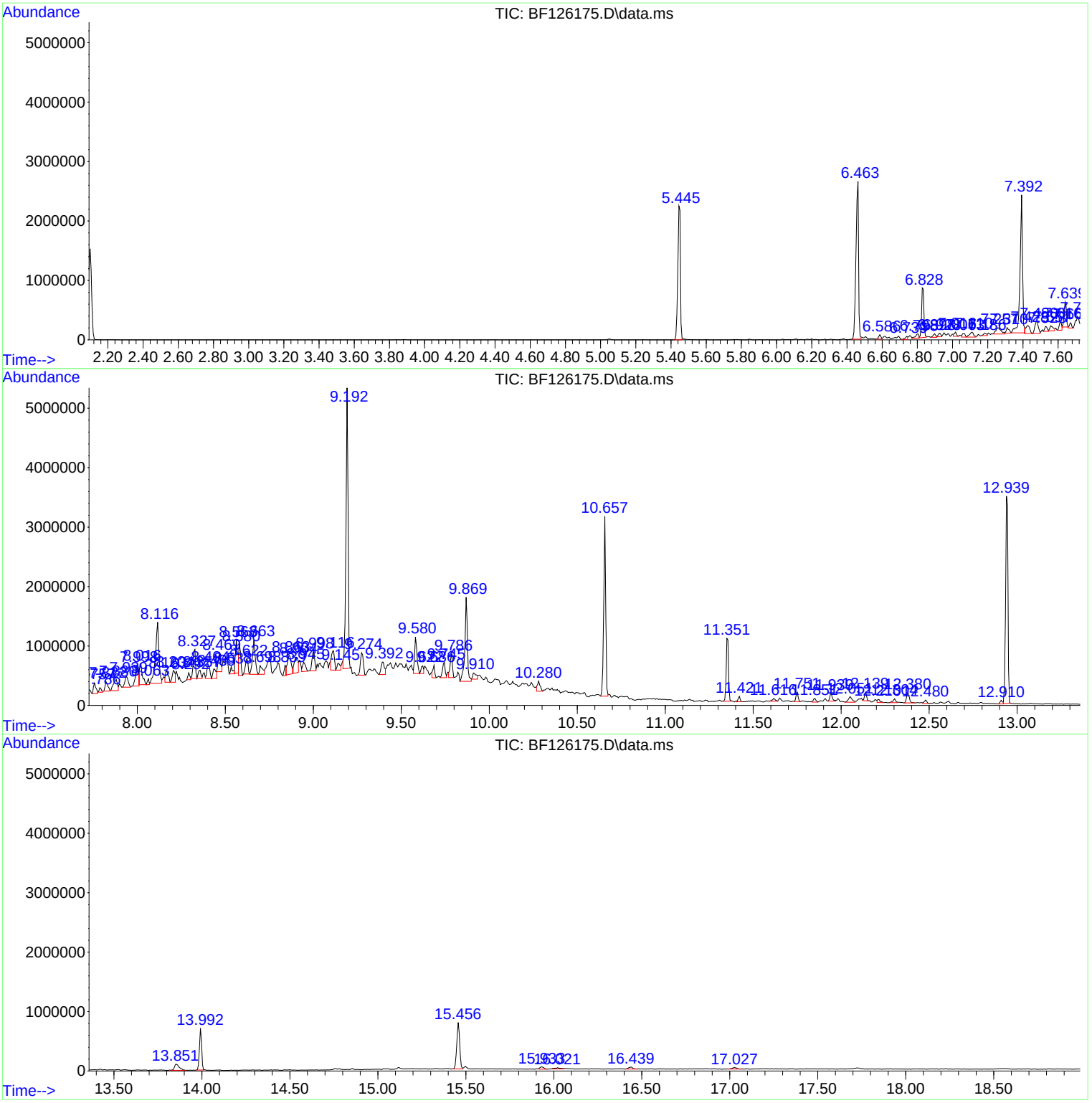
Sum of corrected areas: 37257245

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

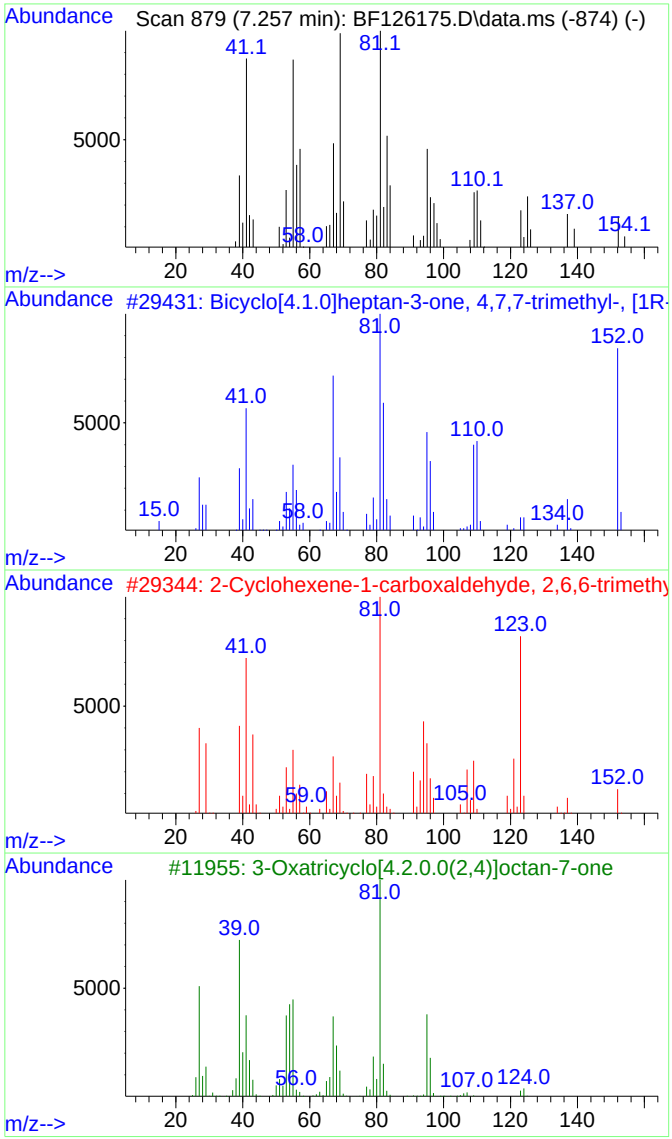
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

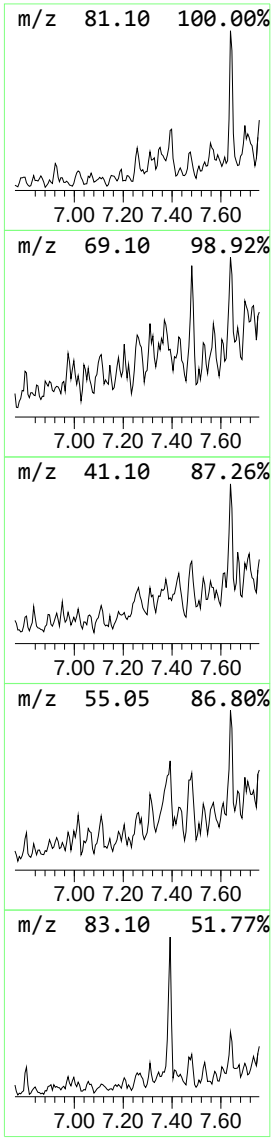
****

Peak Number 1 unknown7.257 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.257	5.72 ng	218433	1,4-Dichlorobenzene-d4	6.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	45
2	2-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-24-6	38
3	3-Oxatricyclo[4.2.0.0(2,4)]octan...	124	C7H8O2	1000211-18-1	38
4	1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	38
5	7-Oxabicyclo[4.3.0]nonane, cis-	126	C8H14O	013149-01-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

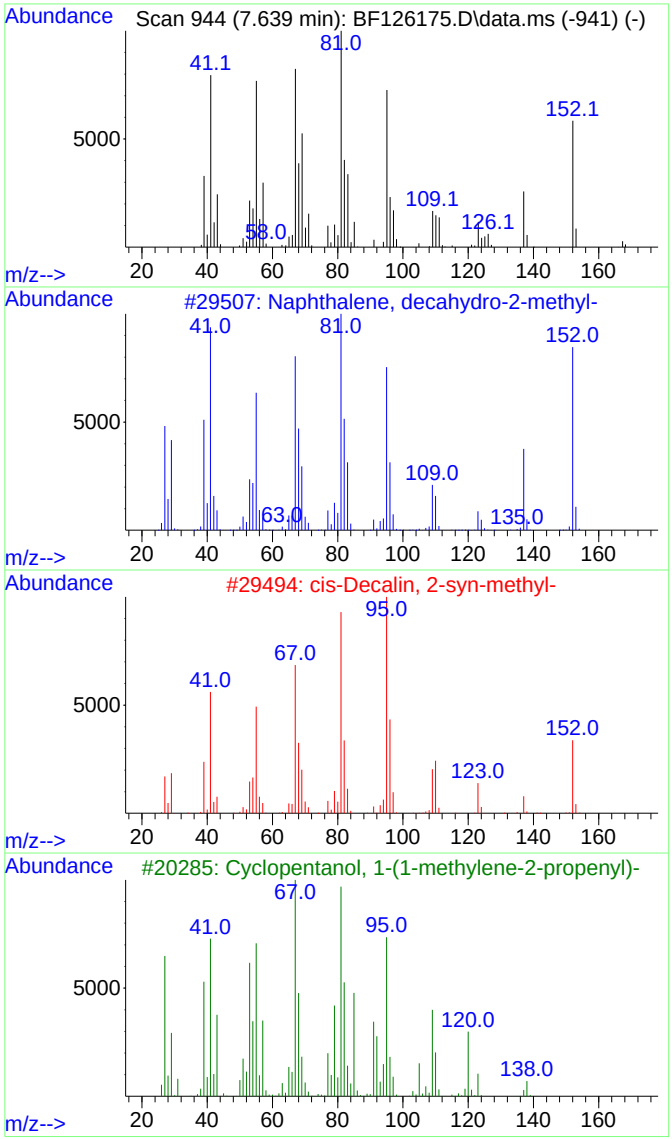
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

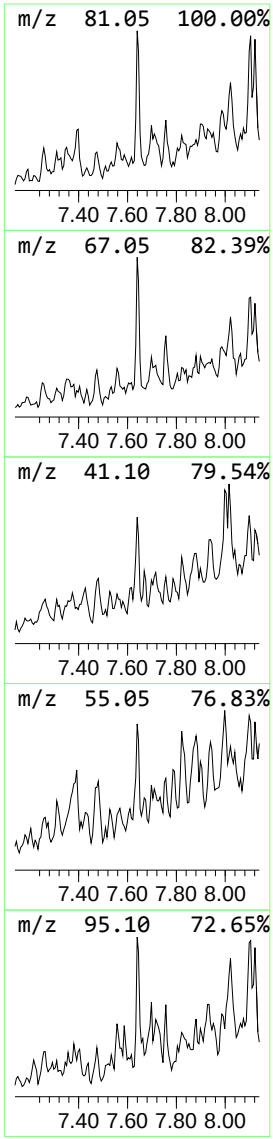
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.639	5.19 ng	365350	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81
3	Cyclopentanol, 1-(1-methylene-2-...	138	C9H14O	078158-11-9	76
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

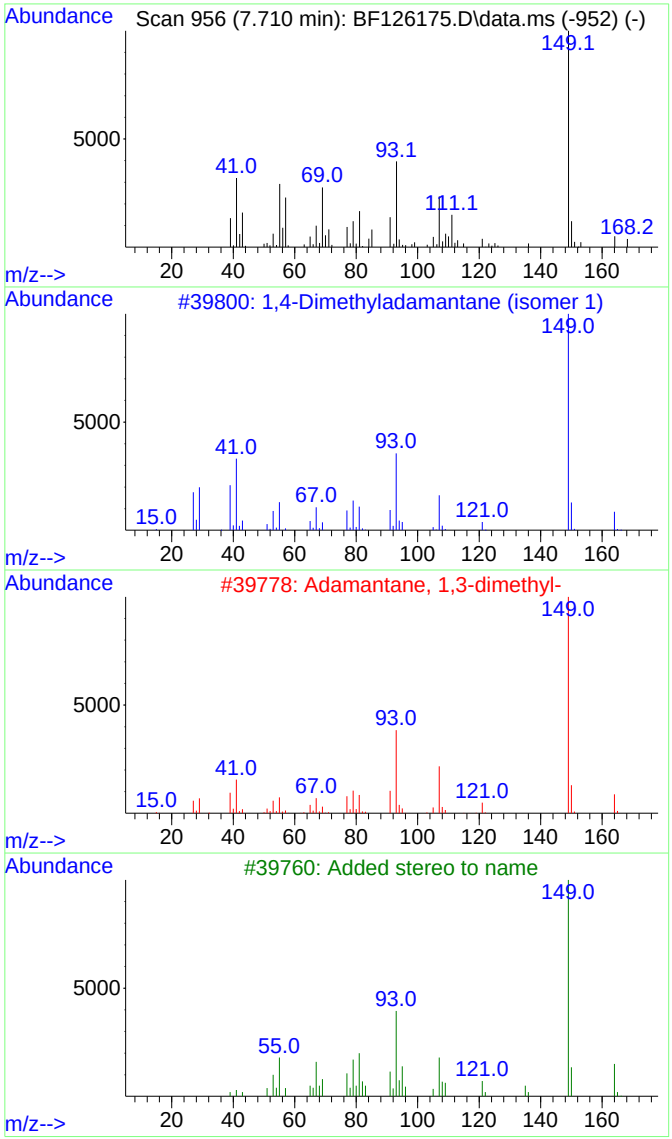
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

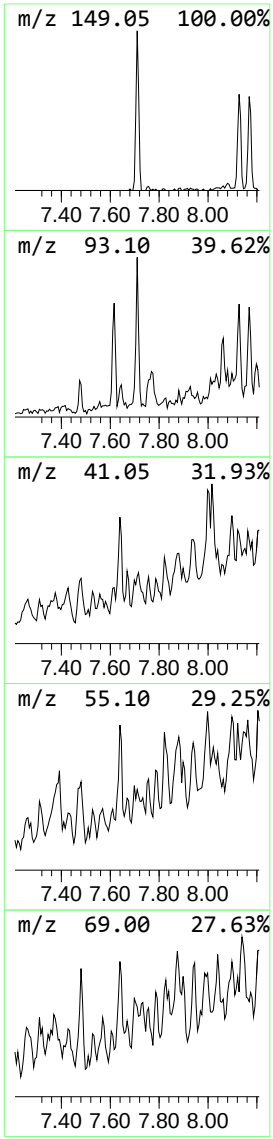
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,4-Dimethyladamantane (iso... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.710	4.44 ng	312573	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyladamantane (isomer 1)	164	C12H20	1000460-67-0	81
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	72
3	Added stereo to name	164	C12H20	024145-88-8	50
4	5H-Pyrrolo(3,2-d)pyrimidine-2,4-...	149	C6H7N5	1000244-21-4	47
5	Silane, monochloride, methylviny...	220	C10H21ClOSi	1000415-26-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

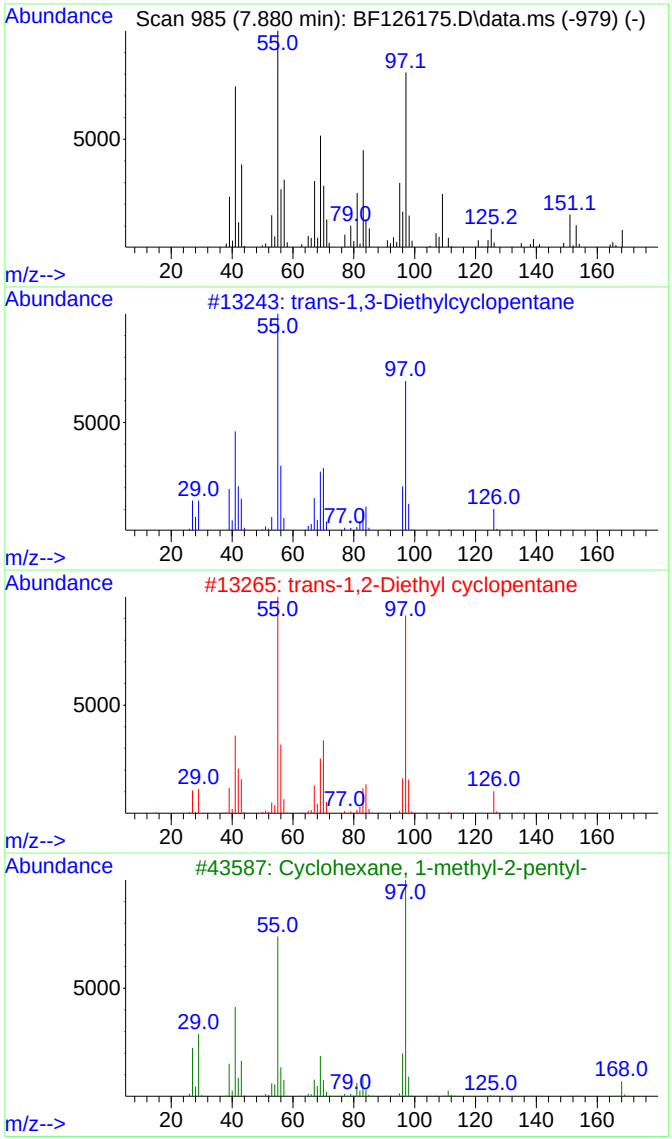
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

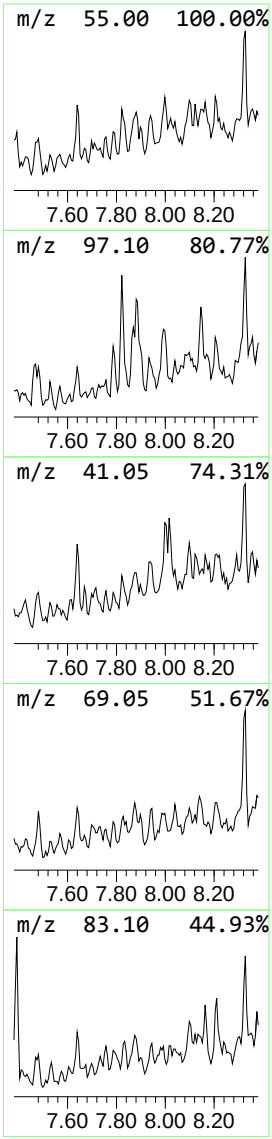
****

Peak Number 4 unknown7.880 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.880	4.32 ng	304418	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	49
2	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	47
3	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	38
4	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	35
5	3-(4-Methylpent-3-enyl)thiophene	166	C10H14S	062429-57-6	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

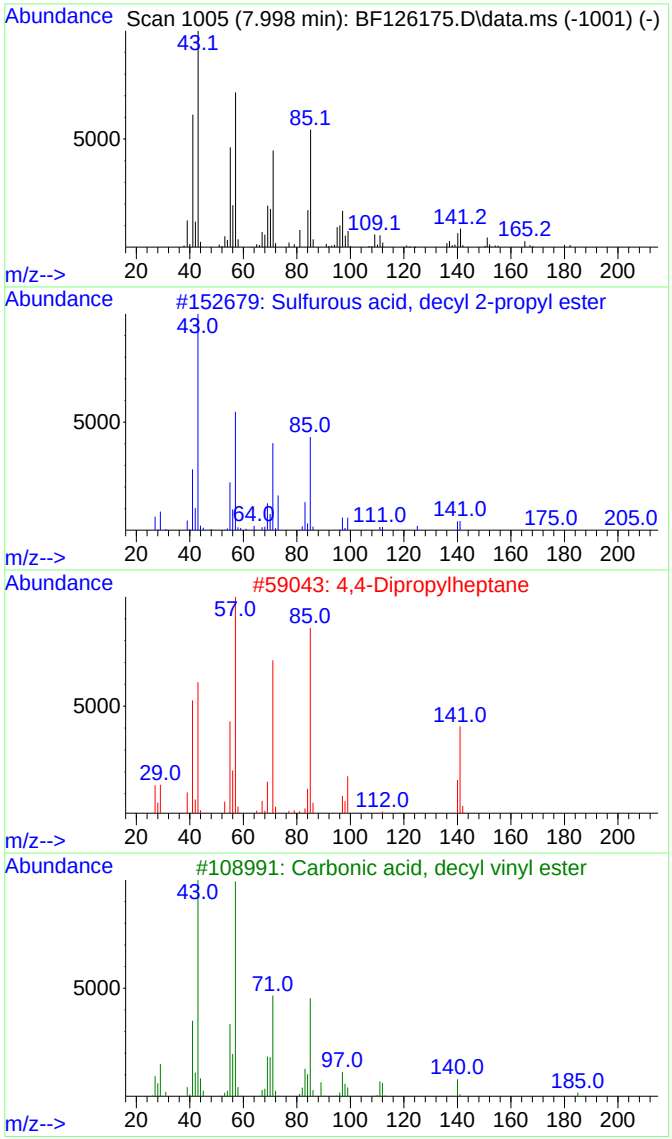
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

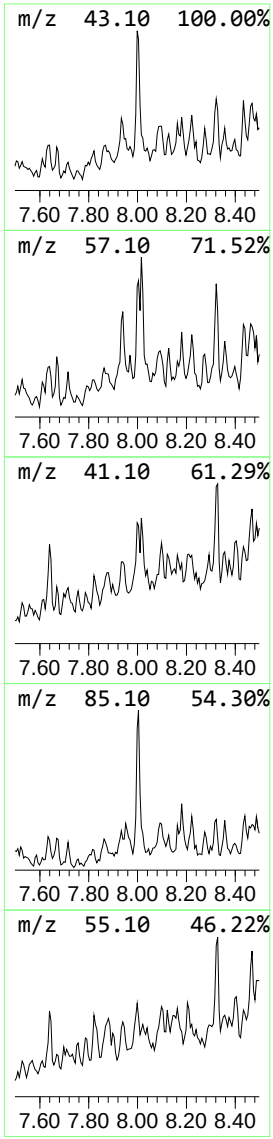
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Sulfurous acid, decyl 2-pro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.998	6.34 ng	446552	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	53
2	4,4-Dipropylheptane	184	C13H28	017312-72-0	53
3	Carbonic acid, decyl vinyl ester	228	C13H24O3	1000383-25-7	50
4	Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	50
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

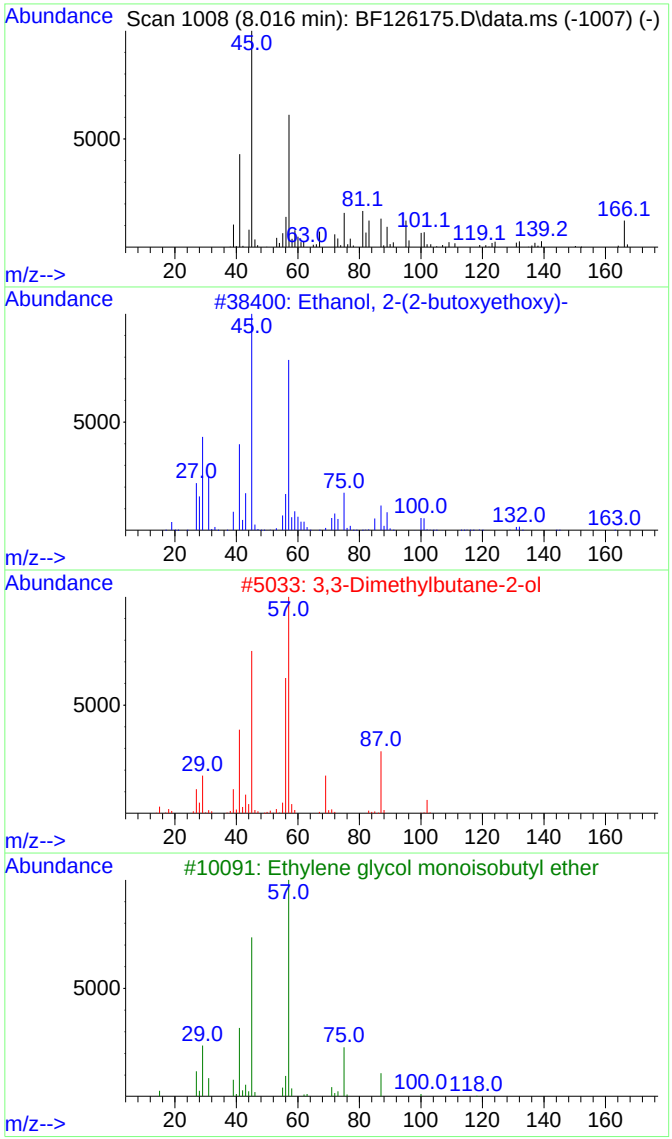
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

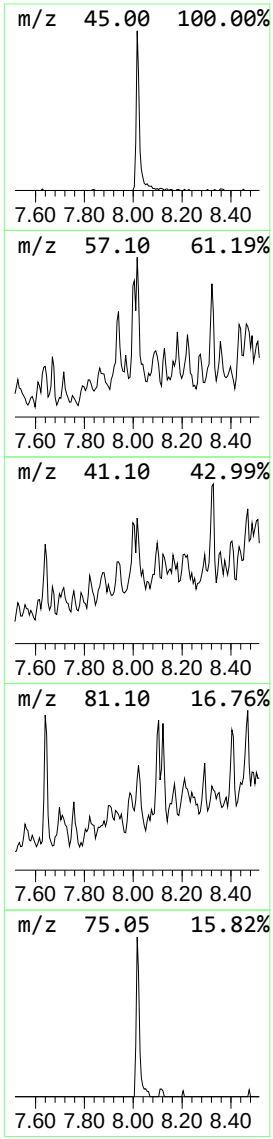
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.016	5.24 ng	369185	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	53
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	47
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	47
4	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	47
5	3,6,9,12-Tetraoxatetradeca-1,13-...	202	C10H18O4	000765-12-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

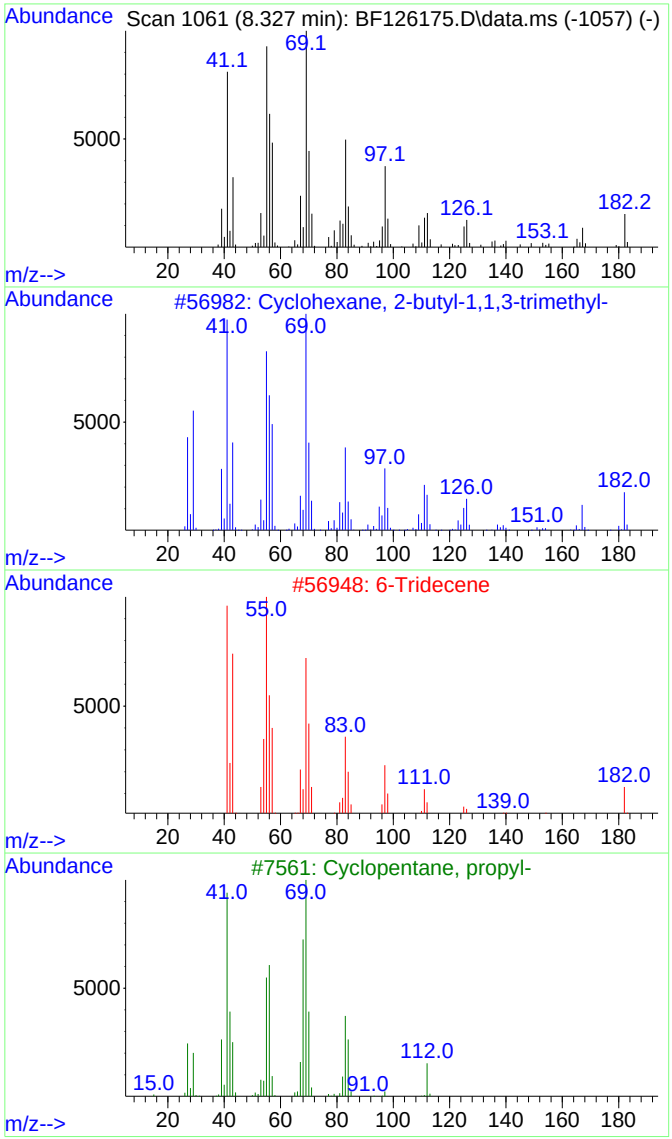
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

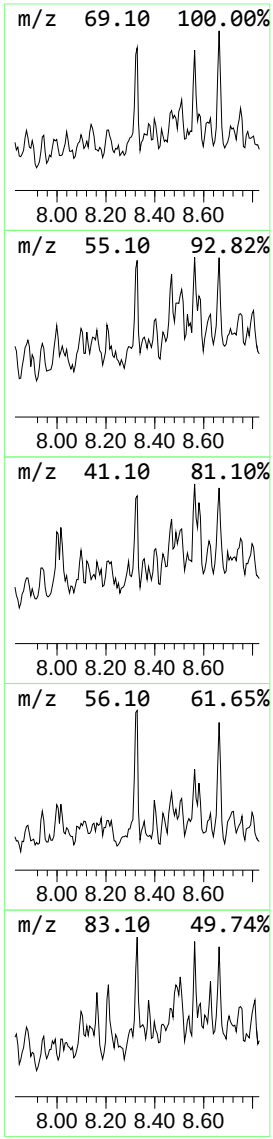
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.327	6.39 ng	449947	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
2	6-Tridecene	182	C13H26	024949-38-0	78
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	64
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
5	5-Tridecene, (E)-	182	C13H26	023051-84-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

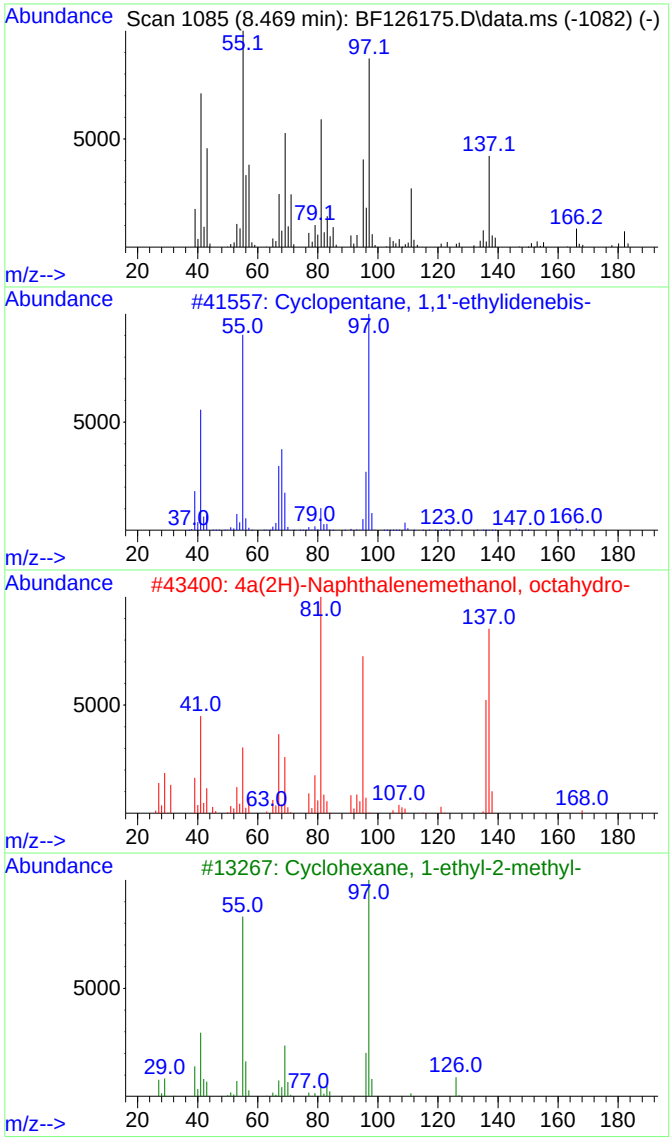
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

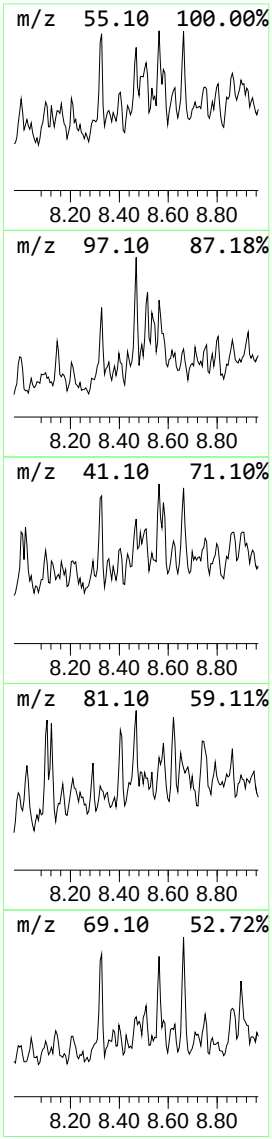
****

Peak Number 8 unknown8.469 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	4.58 ng	322137	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	38
2	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	38
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	35
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	35
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

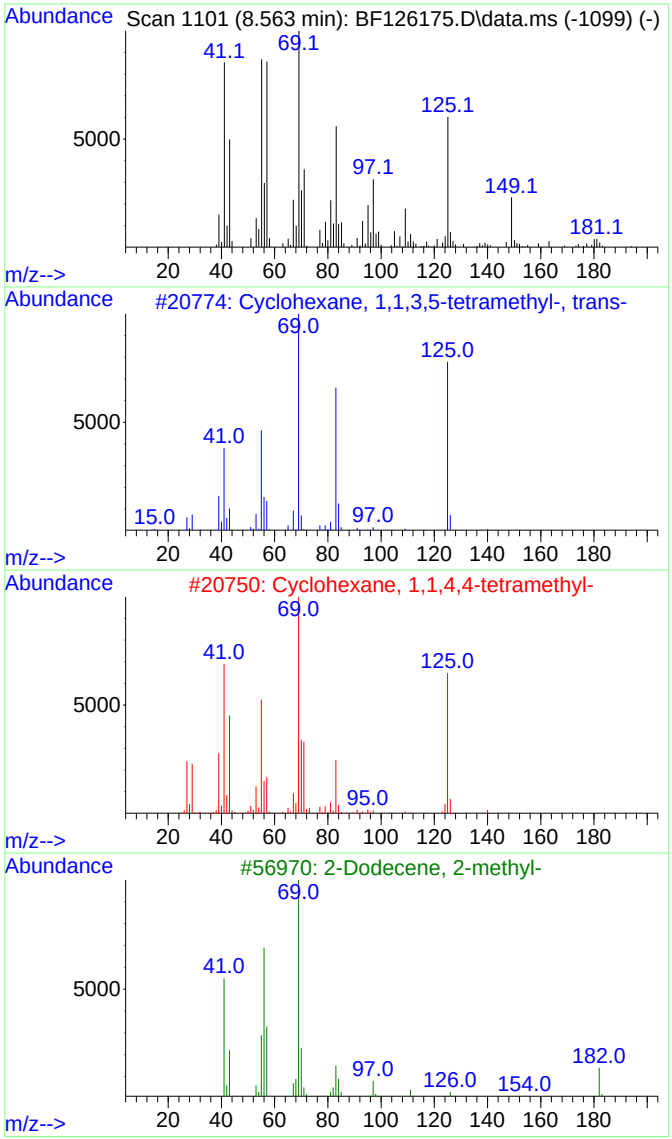
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

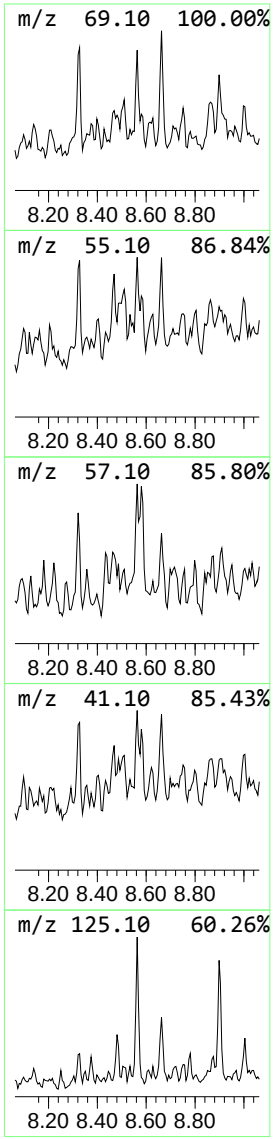
****

Peak Number 9 unknown8.563 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.563	7.48 ng	526559	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	49
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	49
3	2-Dodecene, 2-methyl-	182	C13H26	055103-82-7	38
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	38
5	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

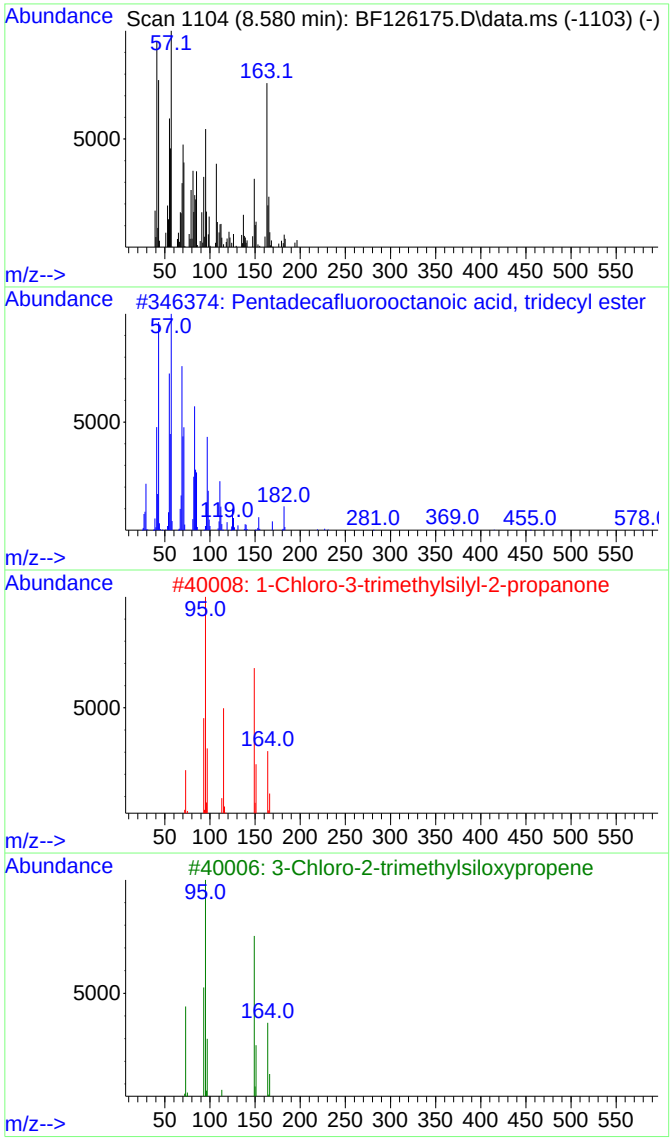
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

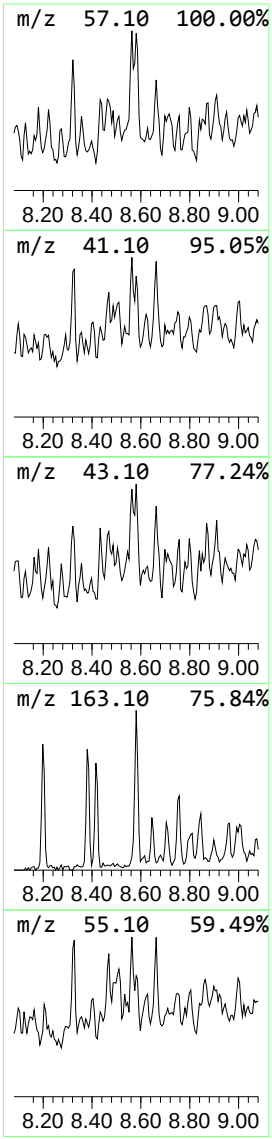
****

Peak Number 10 unknown8.580 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.580	5.06 ng	355957	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, tr...	596	C21H27F15O2	1000406-04-3	22
2	1-Chloro-3-trimethylsilyl-2-prop...	164	C6H13ClOSi	1000427-07-7	18
3	3-Chloro-2-trimethylsiloxypropene	164	C6H13ClOSi	1000427-07-8	18
4	Pentadecafluorooctanoic acid, do...	582	C20H25F15O2	1000406-04-2	14
5	2-Chloro-4,6-difluoroaniline	163	C6H4ClF2N	036556-56-6	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

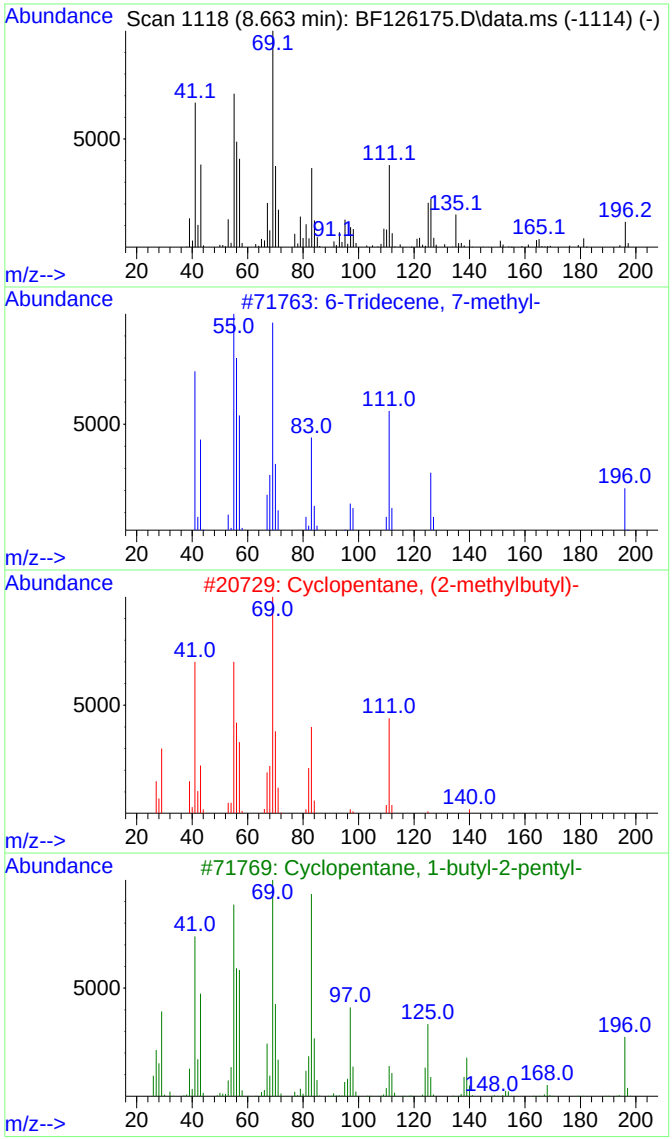
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

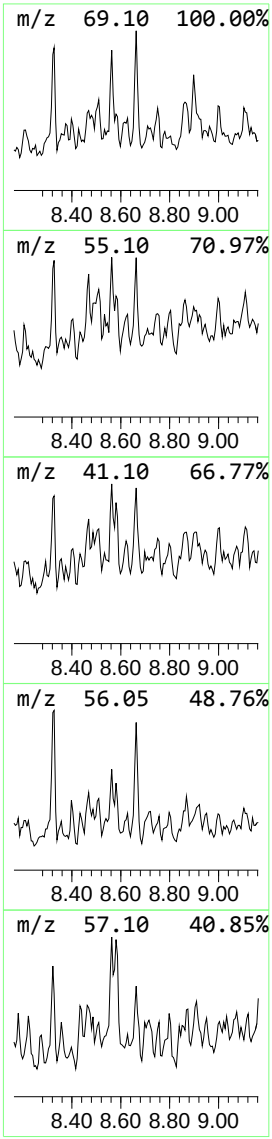
****

Peak Number 11 6-Tridecene, 7-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.663	8.85 ng	622836	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	64
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	60
3	Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	58
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

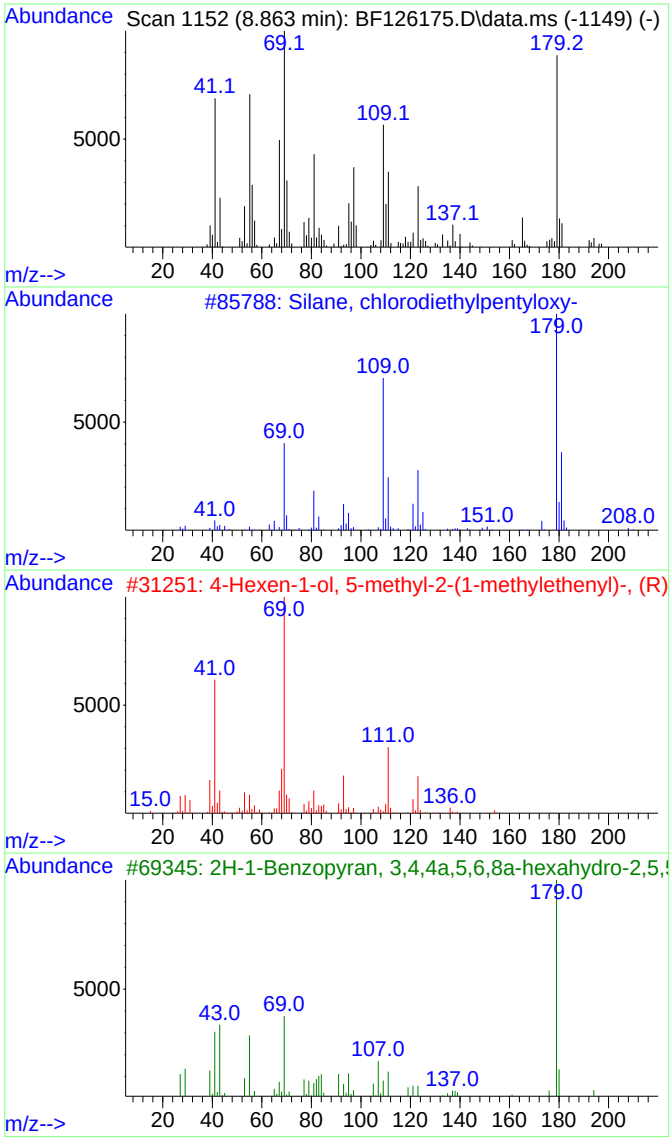
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

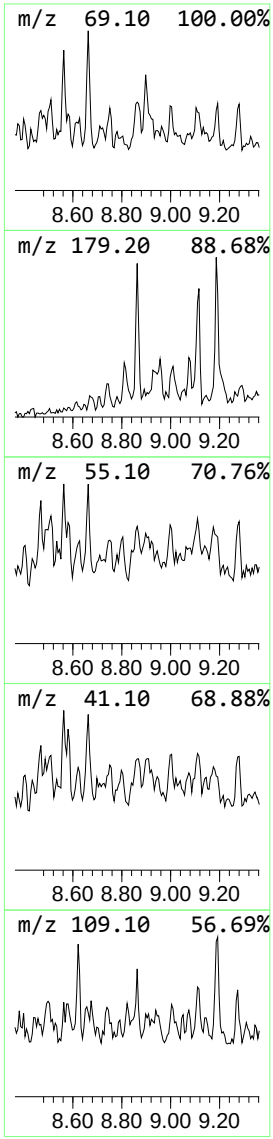
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Silane, chlorodiethylpentyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.863	6.63 ng	466948	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, chlorodiethylpentyloxy-	208	C9H21ClOSi	1000363-04-4	50
2	4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	27
3	2H-1-Benzopyran, 3,4,4a,5,6,8a-h...	194	C13H22O	041678-32-4	25
4	2(3H)-Benzothiazolone, 3-methyl-...	179	C8H9N3S	001128-67-2	22
5	1-Pyrroline, 3-ethyl-	97	C6H11N	1000073-06-0	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

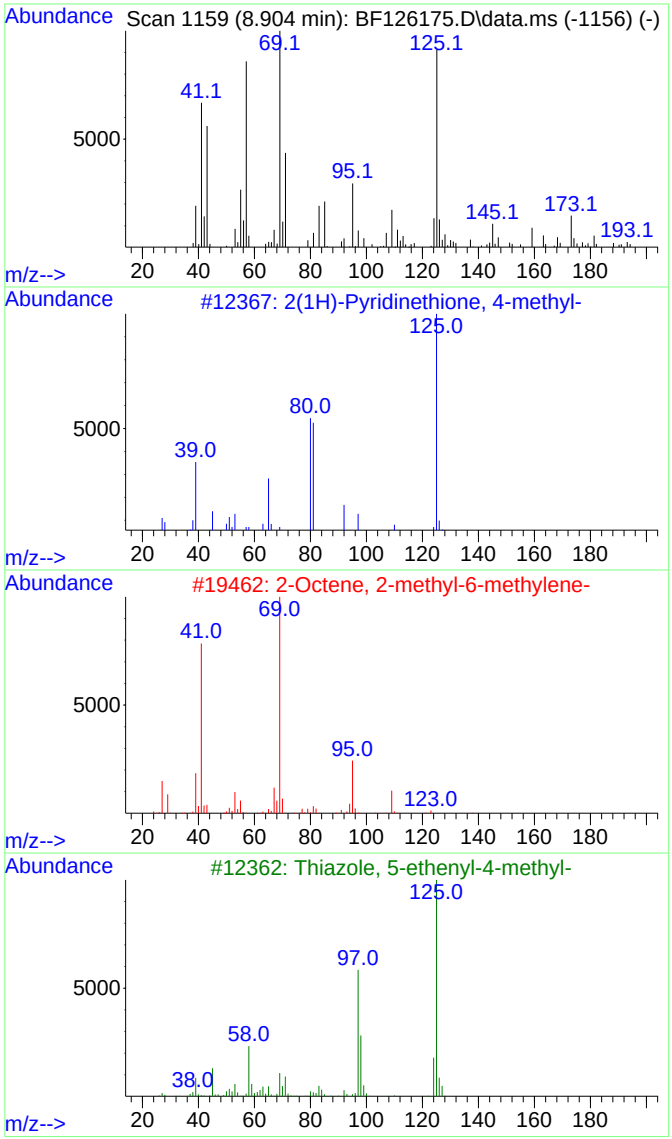
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

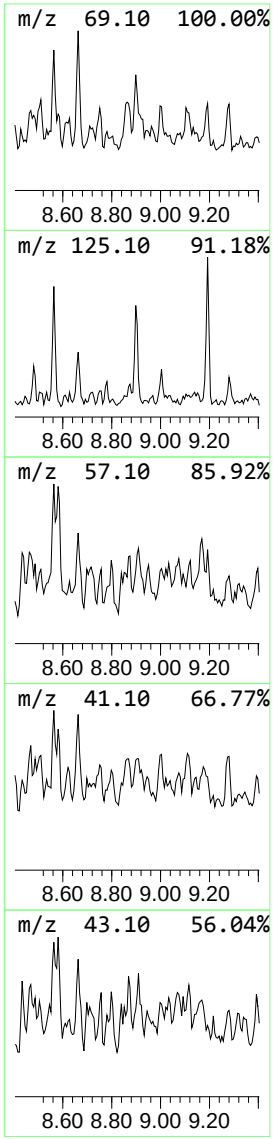
****

Peak Number 13 unknown8.904 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.904	5.62 ng	395832	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Pyridinethione, 4-methyl-	125	C6H7NS	018368-65-5	22
2	2-Octene, 2-methyl-6-methylene-	138	C10H18	010054-09-8	22
3	Thiazole, 5-ethenyl-4-methyl-	125	C6H7NS	001759-28-0	22
4	4-n-Butylchlorobenzene	168	C10H13Cl	015499-27-1	18
5	Malononitrile, o-chlorobenzyl-	190	C10H7ClN2	040915-55-7	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

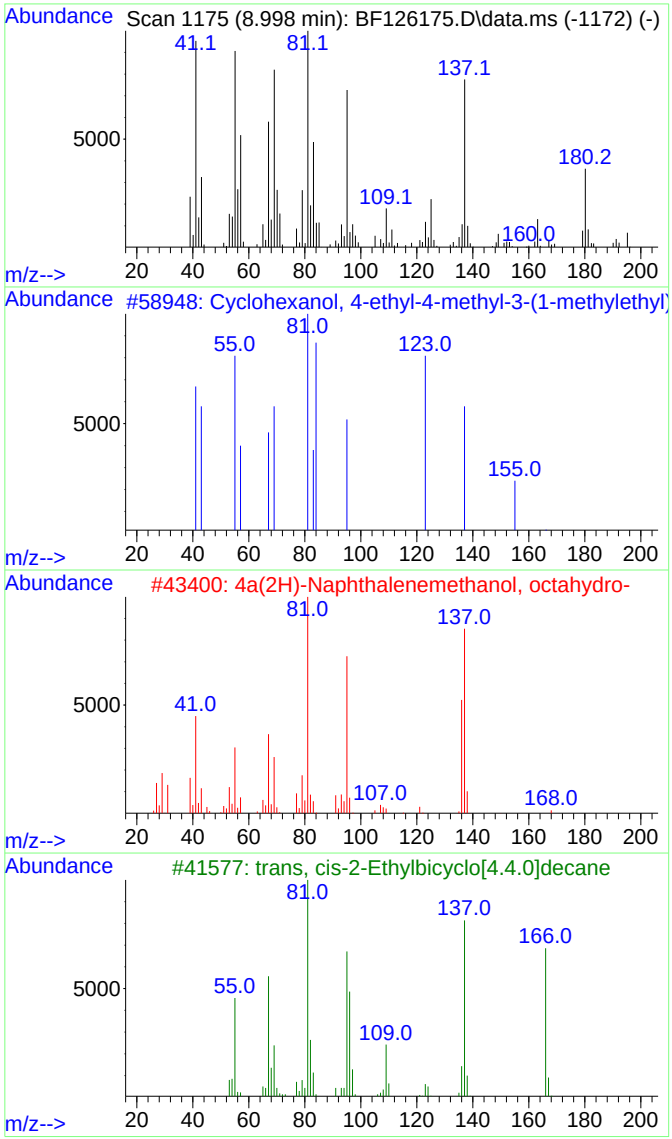
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

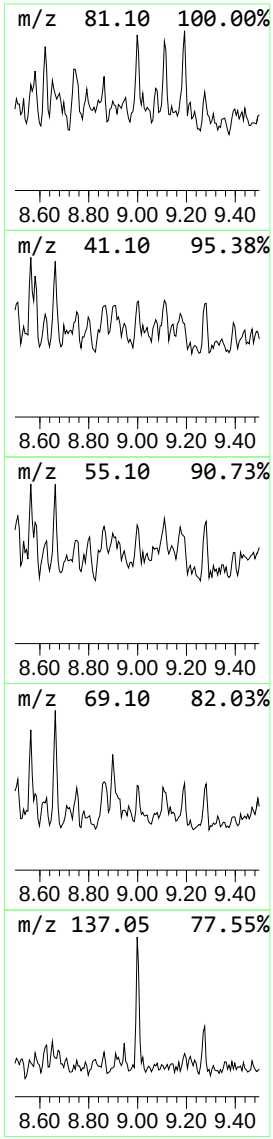
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclohexanol, 4-ethyl-4-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.998	4.98 ng	356038	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 4-ethyl-4-methyl-3...	184	C12H24O	055869-52-8	72
2	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	70
3	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	49
4	Bicyclo[6.1.0]nonane, 9-bromo-9-...	216	C10H17Br	059474-03-2	47
5	cis,trans-1,9-Dimethylspiro[5.5]...	180	C13H24	1000111-73-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

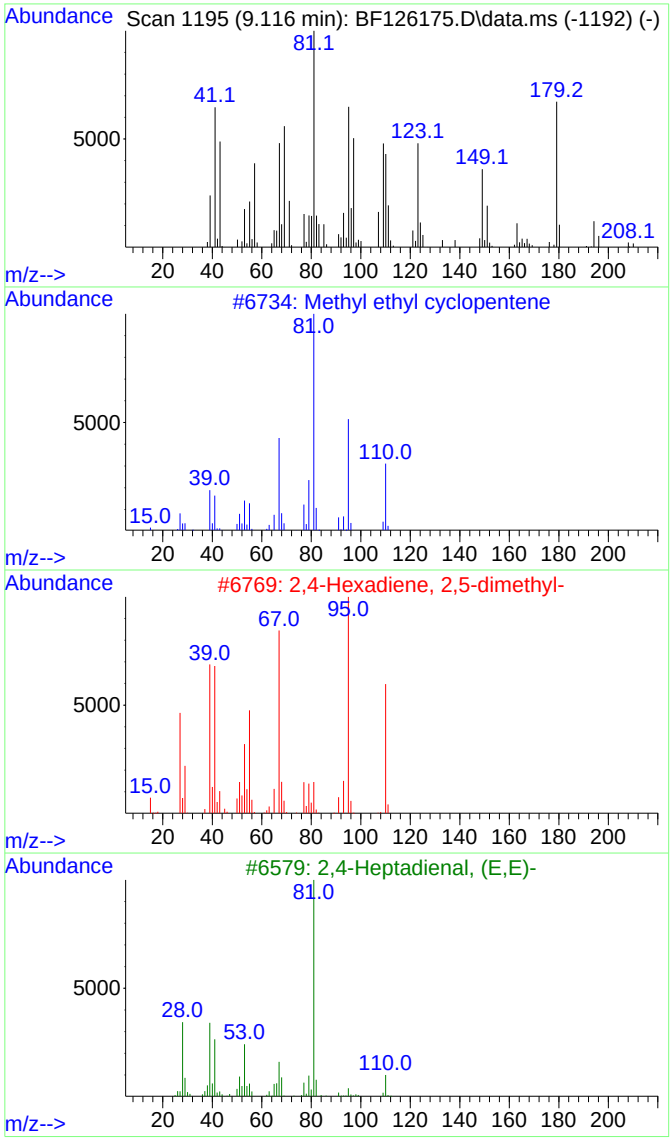
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

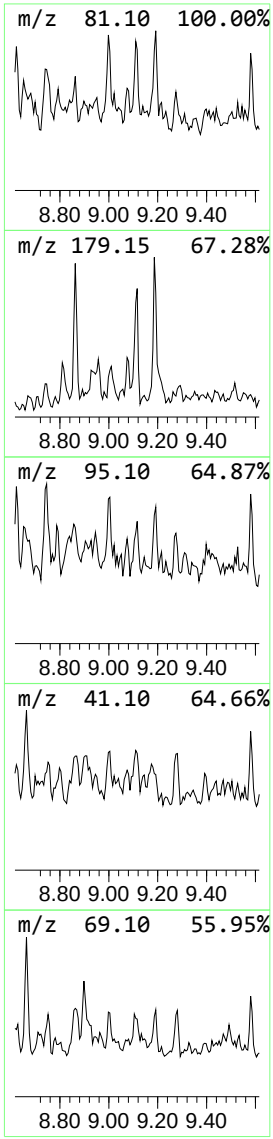
****

Peak Number 15 unknown9.116 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.116	5.21 ng	372673	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	46
2	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	25
3	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	25
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	22
5	Cyclopropane, tetramethylmethylene-	110	C8H14	054376-39-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

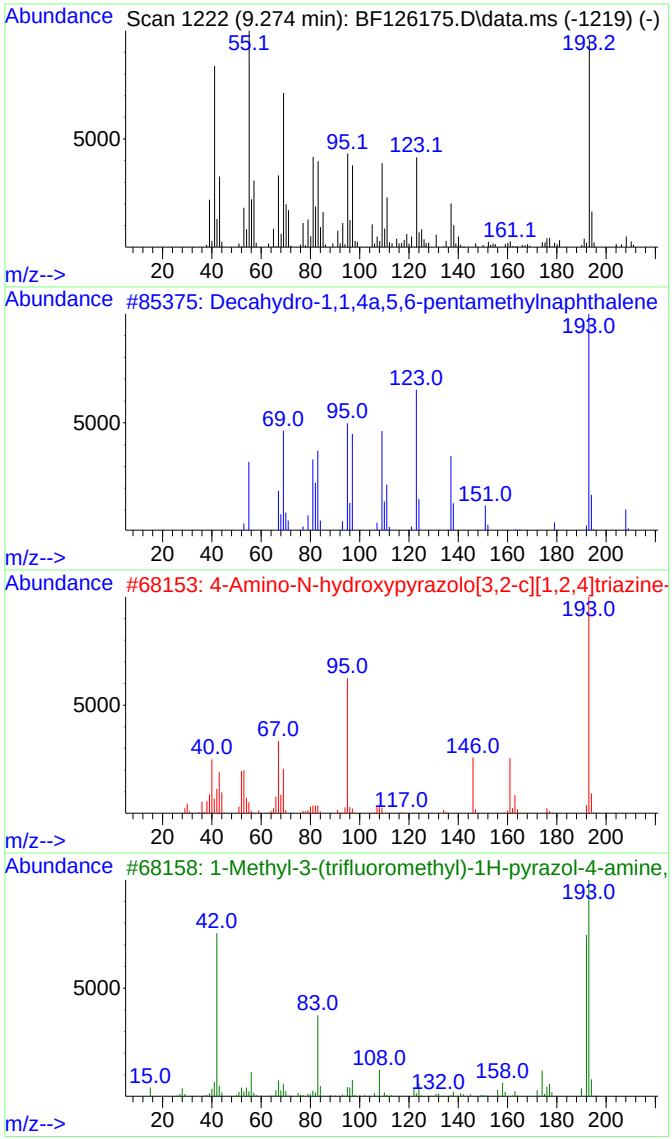
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

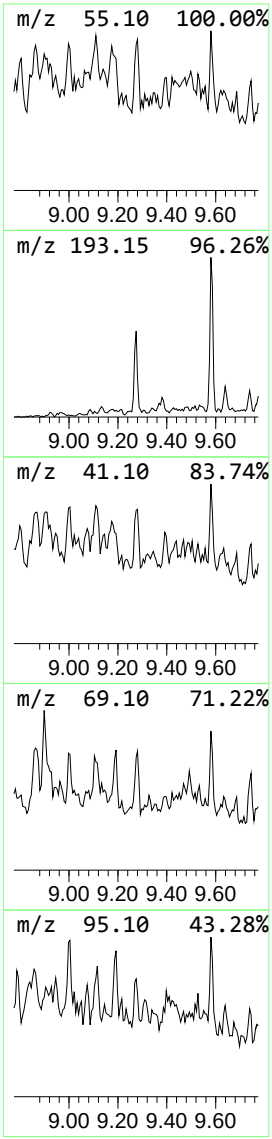
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.274	5.95 ng	425365	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	53
2	4-Amino-N-hydroxypyrazolo[3,2-c]...	193	C6H7N7O	1000443-50-2	27
3	1-Methyl-3-(trifluoromethyl)-1H-...	193	C7H10F3N3	1000511-73-1	27
4	2H-Spiro[1-benzofuran-3,2'-[1,3]...	193	C10H11NO3	1000387-33-4	25
5	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

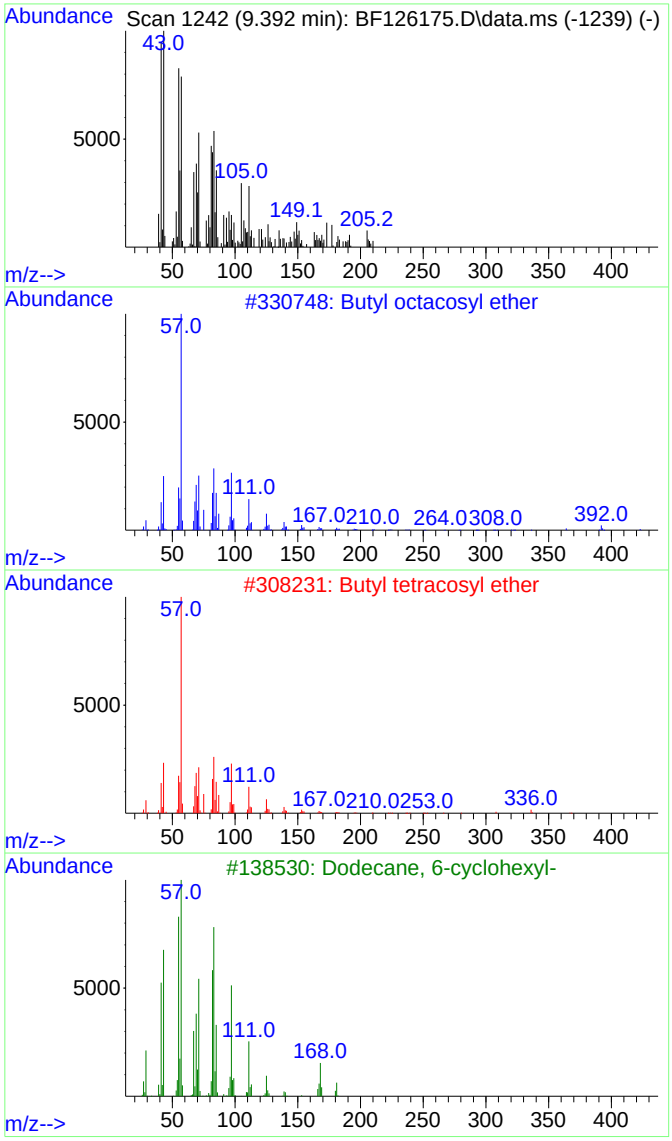
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

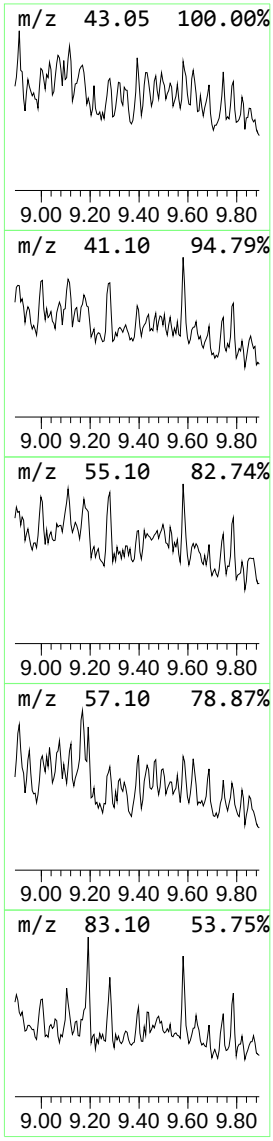
****

Peak Number 17 Butyl octacosyl ether Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.392	4.00 ng	285996	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl octacosyl ether	467	C32H66O	1000406-41-1	64
2	Butyl tetracosyl ether	410	C28H58O	1000406-40-9	64
3	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	58
4	17-Pentatriacontene	491	C35H70	006971-40-0	52
5	Oxirane, decyl-	184	C12H24O	002855-19-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

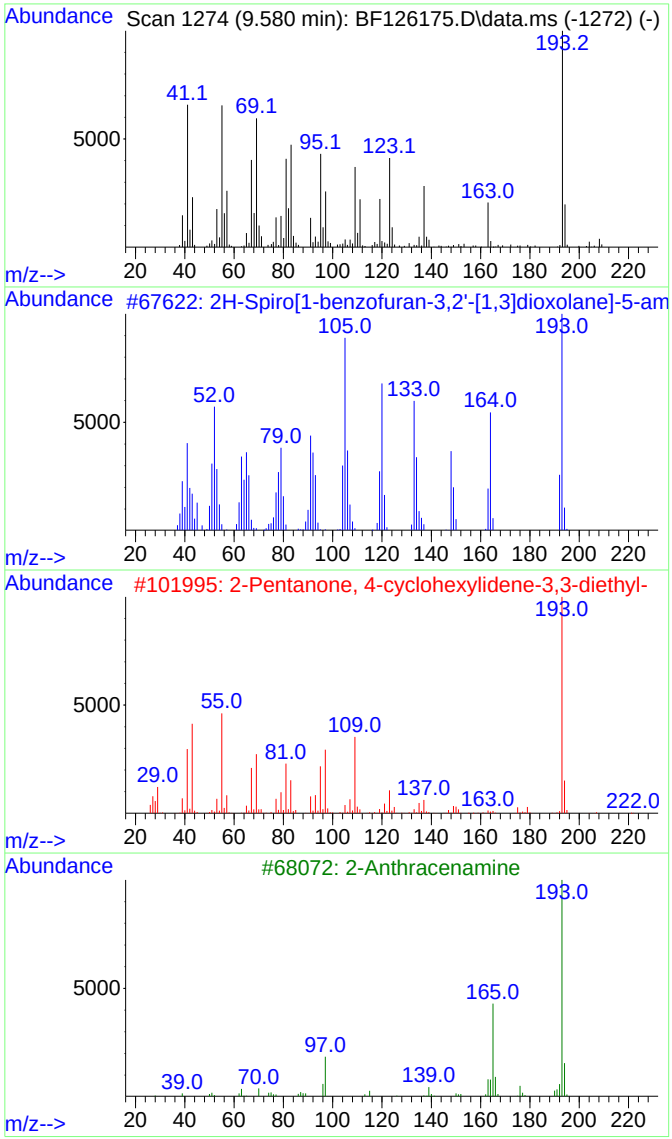
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

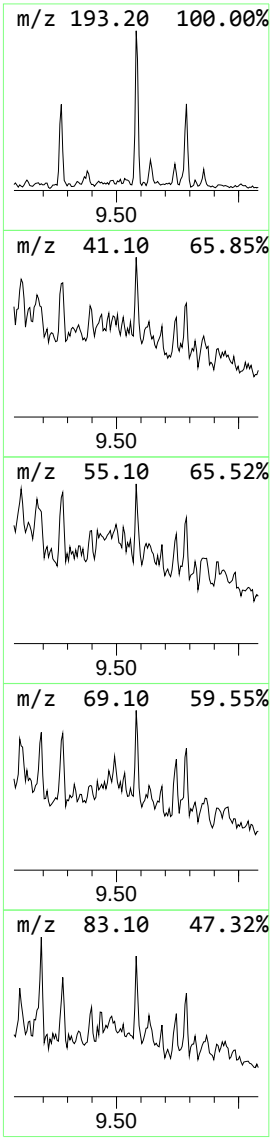
****

Peak Number 18 unknown9.580 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	7.77 ng	555791	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Spiro[1-benzofuran-3,2'-[1,3]...	193	C10H11NO3	1000387-33-4	46
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	32
3	2-Anthracenamine	193	C14H11N	000613-13-8	30
4	Acridine, 9-methyl-	193	C14H11N	000611-64-3	22
5	1H-Indole, 2-phenyl-	193	C14H11N	000948-65-2	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

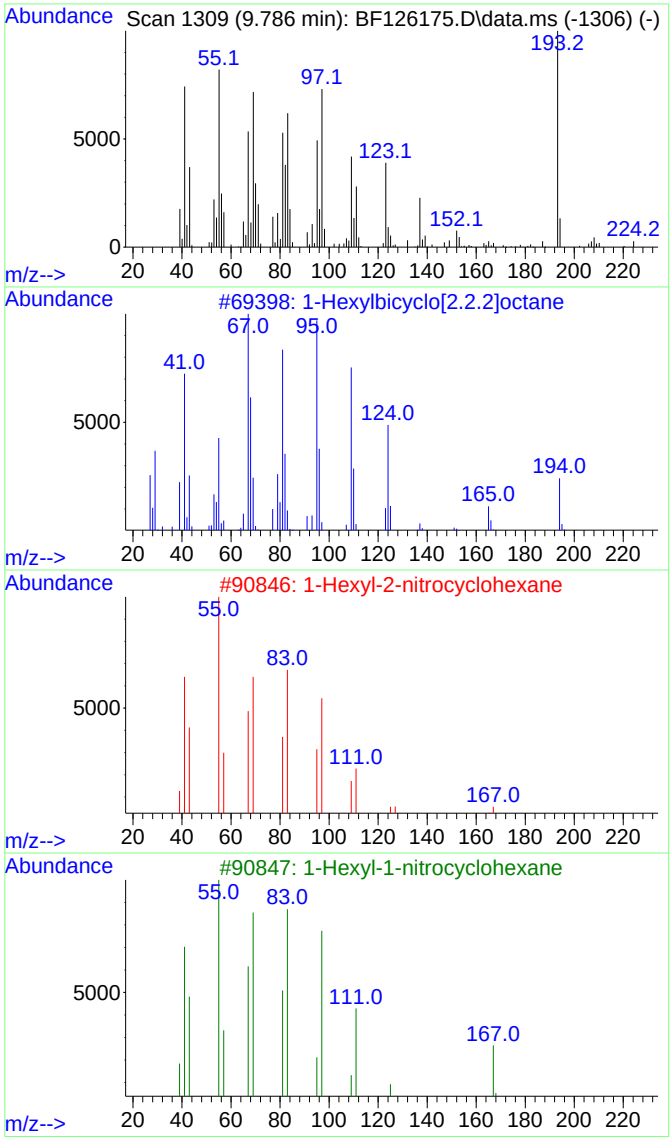
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

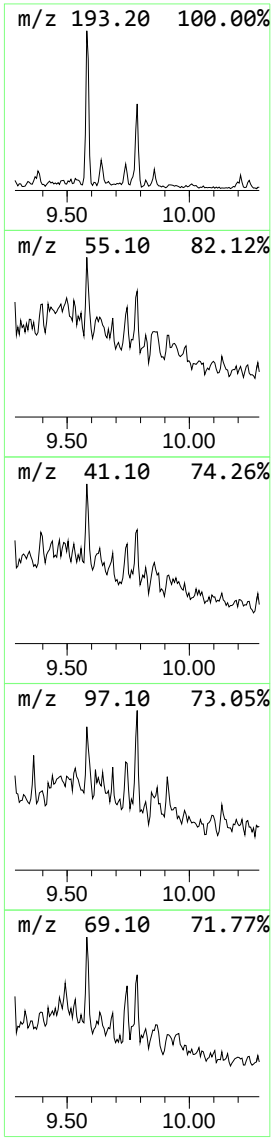
****

Peak Number 19 unknown9.786 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.786	4.87 ng	348553	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexylbicyclo[2.2.2]octane	194	C14H26	1000435-94-2	38
2	1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	35
3	1-Hexyl-1-nitrocyclohexane	213	C12H23NO2	118252-09-8	27
4	2-Anthracenamine	193	C14H11N	000613-13-8	25
5	Ethylidenecycloheptane	124	C9H16	010494-87-8	15





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

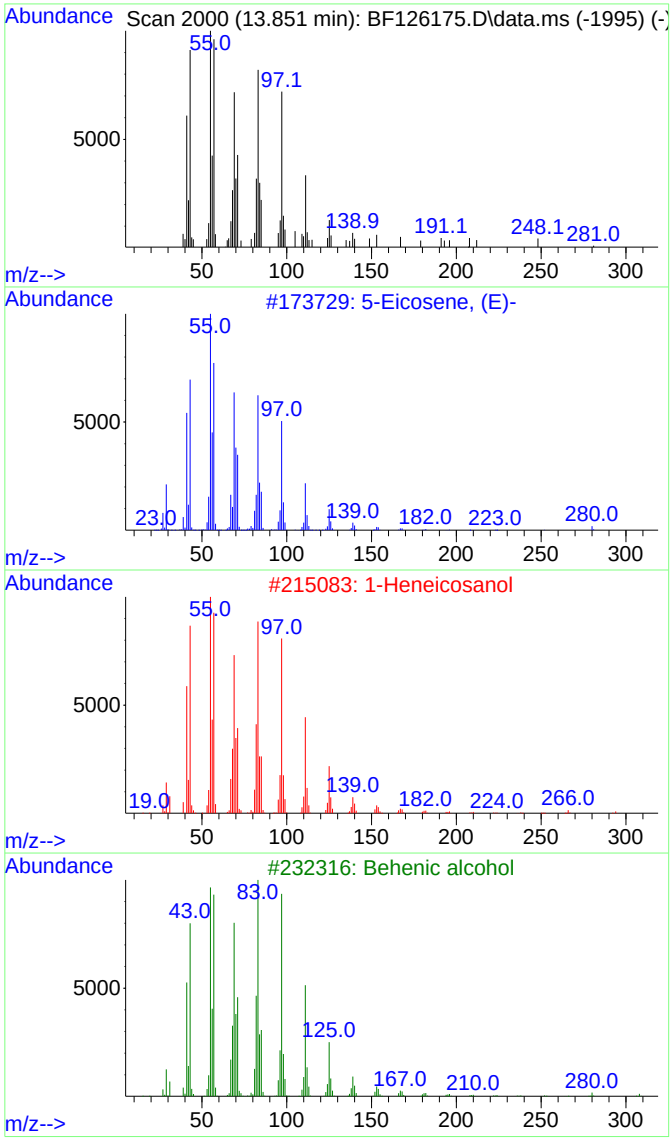
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

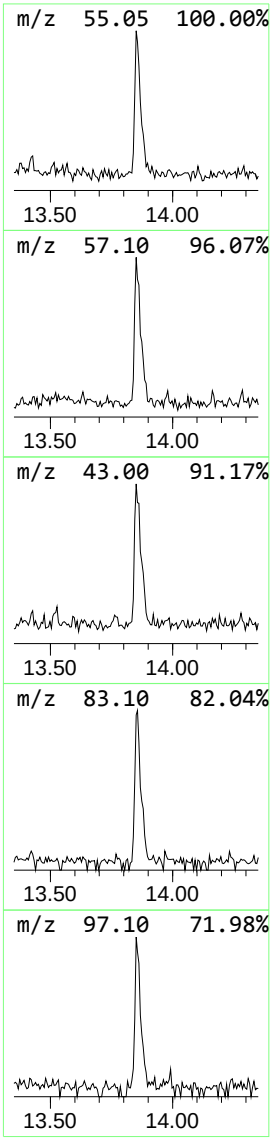
****

Peak Number 20 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	6.48 ng	197377	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
2	1-Heneicosanol	312	C21H44O	015594-90-8	90
3	Behenic alcohol	326	C22H46O	000661-19-8	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
Data File : BF126175.D
Acq On : 13 Nov 2021 18:49
Operator : JU/CG
Sample : M4659-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.257	7.257	5.7	ng	218433	1	6.833	763505	20.0
Naphthalene, de...	7.639	5.2	ng	365350	2	8.116	1407940	20.0
1,4-Dimethylada...	7.710	4.4	ng	312573	2	8.116	1407940	20.0
unknown7.880	7.880	4.3	ng	304418	2	8.116	1407940	20.0
Sulfurous acid,...	7.998	6.3	ng	446552	2	8.116	1407940	20.0
Ethanol, 2-(2-b...	8.016	5.2	ng	369185	2	8.116	1407940	20.0
Cyclohexane, 2-...	8.327	6.4	ng	449947	2	8.116	1407940	20.0
unknown8.469	8.469	4.6	ng	322137	2	8.116	1407940	20.0
unknown8.563	8.563	7.5	ng	526559	2	8.116	1407940	20.0
unknown8.580	8.580	5.1	ng	355957	2	8.116	1407940	20.0
6-Tridecene, 7-...	8.663	8.8	ng	622836	2	8.116	1407940	20.0
Silane, chlorod...	8.863	6.6	ng	466948	2	8.116	1407940	20.0
unknown8.904	8.904	5.6	ng	395832	2	8.116	1407940	20.0
Cyclohexanol, 4...	8.998	5.0	ng	356038	3	9.869	1430820	20.0
unknown9.116	9.116	5.2	ng	372673	3	9.869	1430820	20.0
Decahydro-1,1,4...	9.274	6.0	ng	425365	3	9.869	1430820	20.0
Butyl octacosyl...	9.392	4.0	ng	285996	3	9.869	1430820	20.0
unknown9.580	9.580	7.8	ng	555791	3	9.869	1430820	20.0
unknown9.786	9.786	4.9	ng	348553	3	9.869	1430820	20.0
5-Eicosene, (E)-	13.851	6.5	ng	197377	5	13.992	609151	20.0