LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.846	295	299	310	rBV	322703	484946	1.43%	0.233%
2	5.393	542	562	566	rVV3	220244	1074326	3.18%	0.517%
3	5.463	566	574	577	rVV	184800	475263	1.41%	0.229%
4	5.498	577	580	596	rVB	534472	1305595	3.86%	0.628%
5	5.645	596	605	607	rBV	4657284	9453230	27.95%	4.549%
6	5.804	628	632	637	rVB3	218662	385584	1.14%	0.186%
7	6.345	717	724	727	rVB	360265	444205	1.31%	0.214%
8	6.504	746	751	756	rVB2	314104	528700	1.56%	0.254%
9	6.592	762	766	771	rBV	2568130	2757665	8.15%	1.327%
10	6.639	771	774	776	rVV	1025846	1155095	3.42%	0.556%
11	6.687	776	782	792	rVB2	1896937	3358187	9.93%	1.616%
12	6.816	801	804	808	rBV	830150	685348	2.03%	0.330%
13	6.975	825	831	839	rBV	3267243	3447979	10.20%	1.659%
14	7.245	872	877	881	rBV2	703230	1085890	3.21%	0.522%
15	7.386	898	901	904	rVB	1991518	1769689	5.23%	0.852%
16	7.598	921	937	940	rBV	650516	1755951	5.19%	0.845%
17	7.839	972	978	984	rBV2	532203	936820	2.77%	0.451%
18	7.904	984	989	990	rBV3	477221	627533	1.86%	0.302%
19	8.004	1004	1006	1010	rBV3	651936	963798	2.85%	0.464%
20	8.039	1010	1012	1016	rVB	1653967	1281403	3.79%	0.617%
21	8.098	1020	1022	1024	rVB	931237	642946	1.90%	0.309%
22	8.133	1024	1028	1031	rVB	3512610	3491222	10.32%	1.680%
23	8.398	1069	1073	1075	rBV2	419705	402008	1.19%	0.193%
24	8.569	1085	1102	1104	rBV2	1629647	4738124	14.01%	2.280%
25	8.592	1104	1106	1110	rVV2	571911	751131	2.22%	0.361%
26	8.651	1110	1116	1119	rVV	716628	1139157	3.37%	0.548%
27	8.910	1154	1160	1166	rVB	1277551	2012656	5.95%	0.968%
28	8.986	1166	1173	1175	rBV	961833	1453987	4.30%	0.700%
29	9.016	1176	1178	1183	rVB2	709002	825794	2.44%	0.397%
30	9.063	1183	1186	1190	rBV3	549169	729525	2.16%	0.351%
31	9.133	1194	1198	1200	rBV2	406578	484759	1.43%	0.233%
32	9.175	1200	1205	1208	rVB	3542633	3779357	11.18%	1.819%
33	9.275	1218	1222	1224	rBV	636265	626475	1.85%	0.301%
34	9.351	1224	1235	1238	rVV	4273925	7860641	23.24%	3.782%

LSC Area Percent Report

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Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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

35	9.416	1241	1246	1251	rVB2	589075	833567	2.46%	0.401%
36	9.522	1256	1264	1266	rBV3	970090	1765560	5.22%	0.850%
37	9.569	1270	1272	1275	rVB	530106	387790	1.15%	0.187%
38	9.710	1292	1296	1299	rBV2	781830	1010330	2.99%	0.486%
39	9.792	1306	1310	1312	rBV	1563440	1347313	3.98%	0.648%
40	9.822	1312	1315	1318	rVV2	1290793	1300191	3.84%	0.626%
41	9.851	1318	1320	1323	rVB	1338191	996034	2.95%	0.479%
42	10.298	1366	1396	1397	rBV3	5228293	33817478	100.00%	16.272%
43	10.457	1408	1423	1426	rVB	4889245	18122186	53.59%	8.720%
44	10.539	1434	1437	1445	rVB4	825107	1197365	3.54%	0.576%
45	10.651	1453	1456	1459	rVB	2143195	2124955	6.28%	1.022%
46	10.775	1471	1477	1483	rBV2	1773267	2510142	7.42%	1.208%
47	10.951	1503	1507	1513	rBV2	847678	1165004	3.44%	0.561%
48	11.039	1519	1522	1524	rBV2	383333	396771	1.17%	0.191%
49	11.116	1529	1535	1539	rVV2	1591219	2326841	6.88%	1.120%
50	11.210	1546	1551	1557	rBV2	386207	623629	1.84%	0.300%
51	11.339	1570	1573	1576	rBV	1297589	1300606	3.85%	0.626%
52	11.404	1581	1584	1589	rVV5	353102	570893	1.69%	0.275%
53	11.474	1592	1596	1601	rVB	1085086	1255479	3.71%	0.604%
54	11.592	1612	1616	1619	rBV3	468613	645384	1.91%	0.311%
55	11.692	1629	1633	1639	rBV	3698922	4959518	14.67%	2.386%
56	11.798	1649	1651	1658	rVB	375072	439137	1.30%	0.211%
57	11.886	1660	1666	1673	rVV	1332564	2670361	7.90%	1.285%
58	12.045	1674	1693	1698	rVV4	5168524	24409319	72.18%	11.745%
59	12.104	1698	1703	1705	rVV	3247935	4077460	12.06%	1.962%
60	12.157	1705	1712	1715	rVV	3388317	6354071	18.79%	3.057%
61	12.392	1739	1752	1759	rBV	4287157	12150152	35.93%	5.846%
62	12.486	1765	1768	1774	rVB3	391670	425381	1.26%	0.205%
63	12.674	1795	1800	1809	rVB	2693106	3546862	10.49%	1.707%
64	12.821	1822	1825	1835	rVB2	583421	816930	2.42%	0.393%
65	12.927	1838	1843	1846	rBV	3457843	3425771	10.13%	1.648%
66	13.792	1985	1990	2002	rVB2	1957956	3384719	10.01%	1.629%
67	13.986	2020	2023	2035	rVB	933727	1026293	3.03%	0.494%
68	14.427	2095	2098	2109	rVB3	306436	453169	1.34%	0.218%
69	14.804	2158	2162	2166	rVB	1080764	1065005	3.15%	0.512%
70	15.051	2201	2204	2212	rVB	313230	375877	1.11%	0.181%
71	15.445	2263	2271	2282	rVB2	641211	1276736	3.78%	0.614%

LSC Area Percent Report

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Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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

72	15.839	2333	2338	2345	rVB	242158	358644	1.06%	0.173%

Sum of corrected areas: 207827912

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
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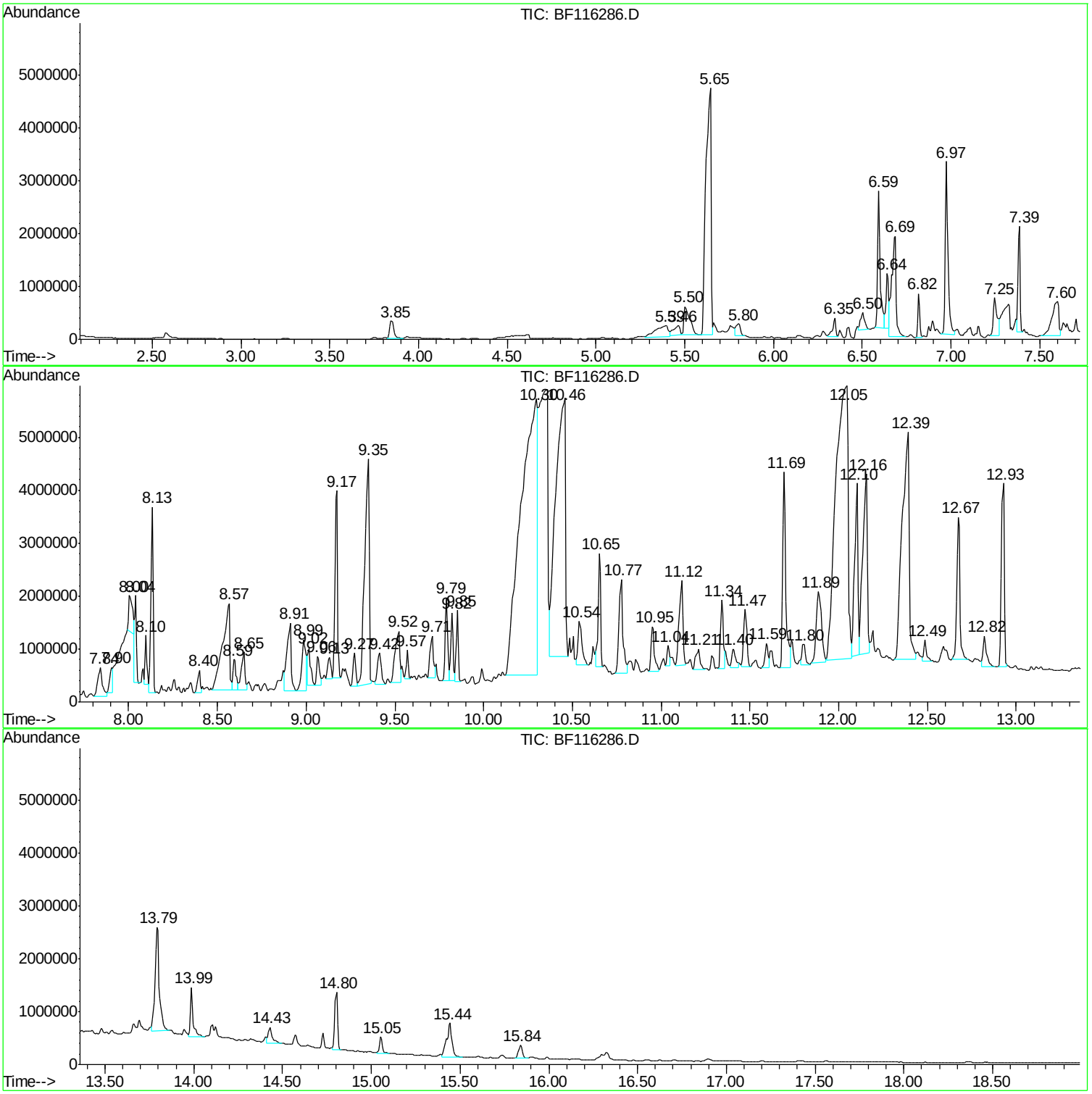
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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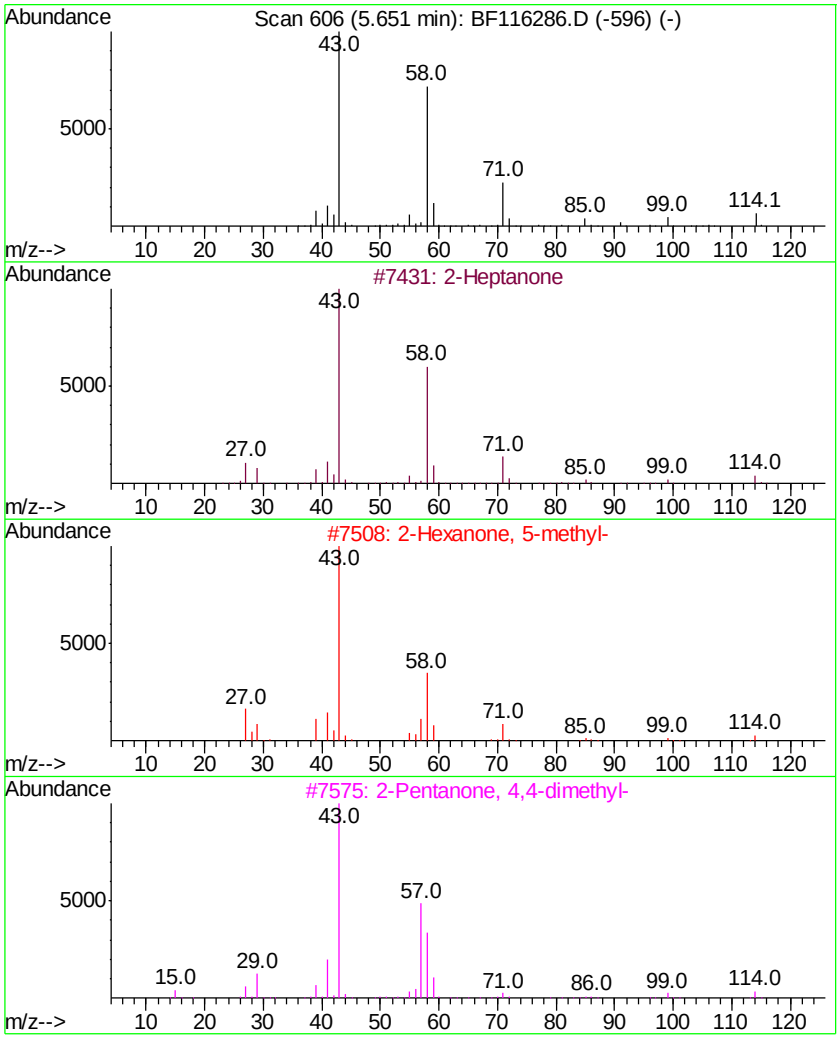
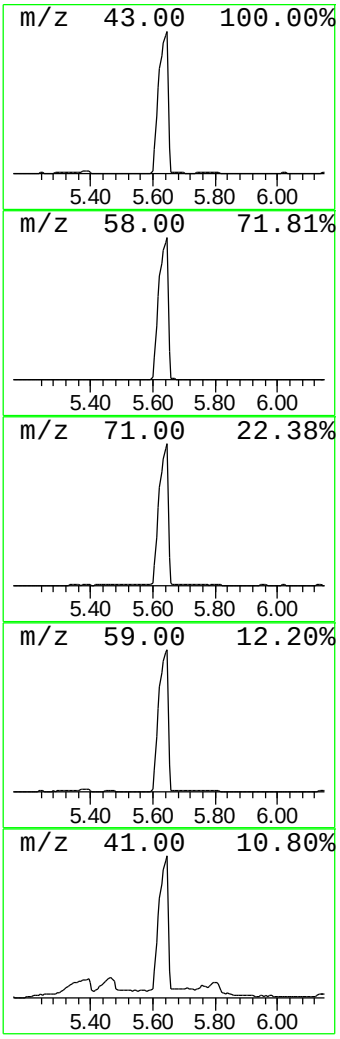
Peak Number 1 2-Heptanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	275.87 ng	9453230	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	83
3	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	46
4	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	45
5	2,3-Pentanedione, 4-methyl-	114	C6H10O2	007493-58-5	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

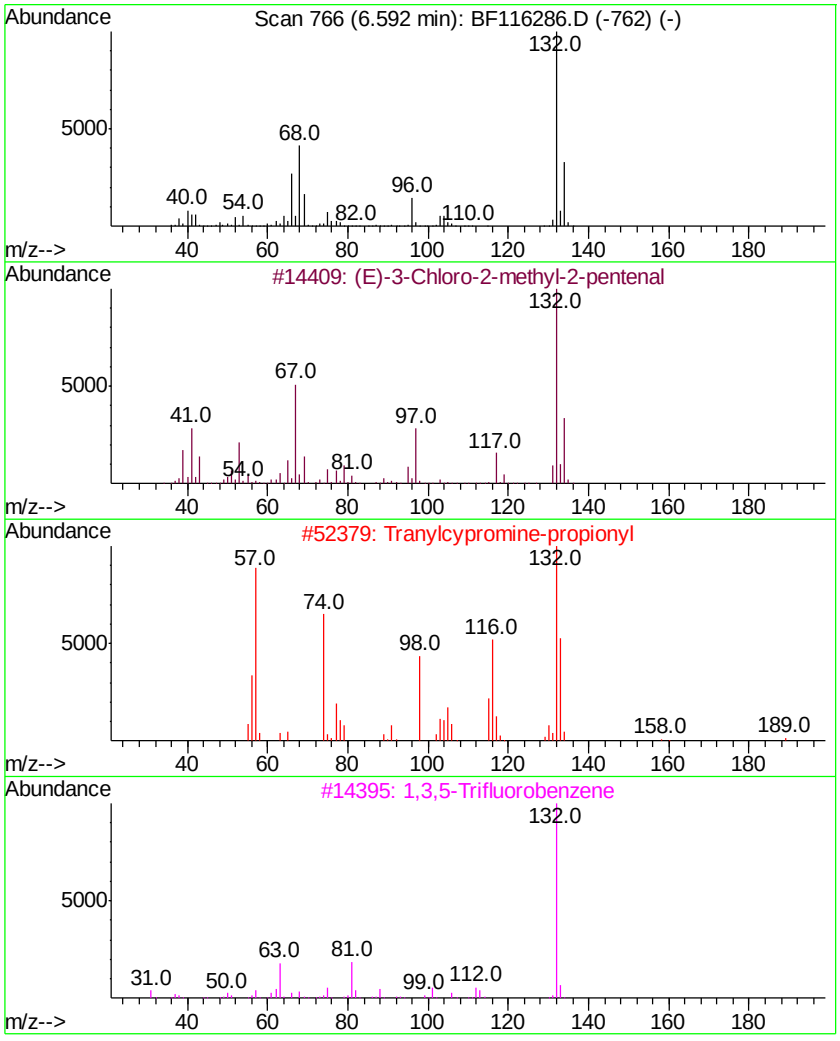
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

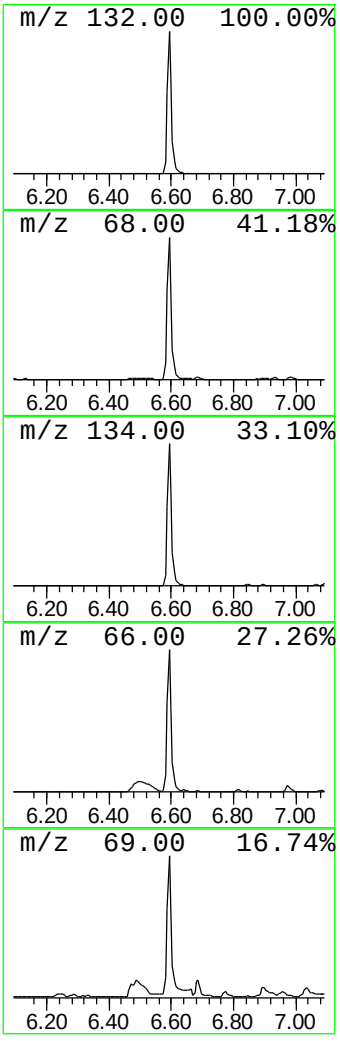
****

Peak Number 2 unknown6.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	80.47 ng	2757670	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

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Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

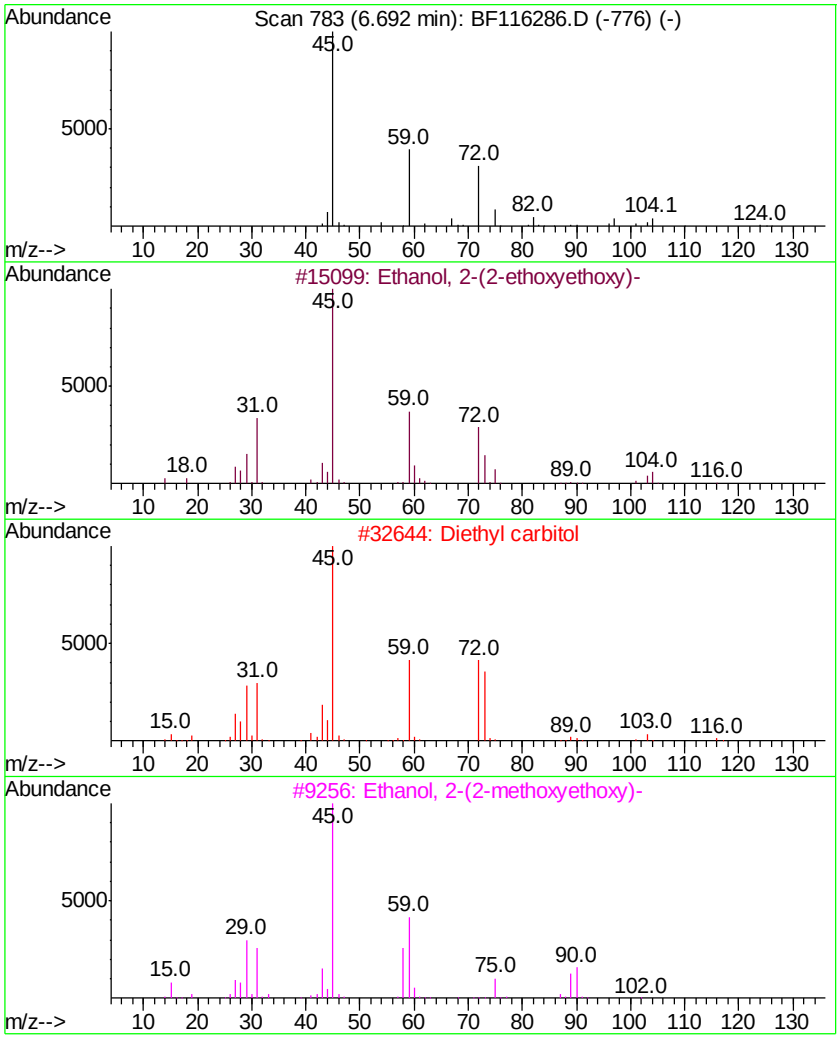
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

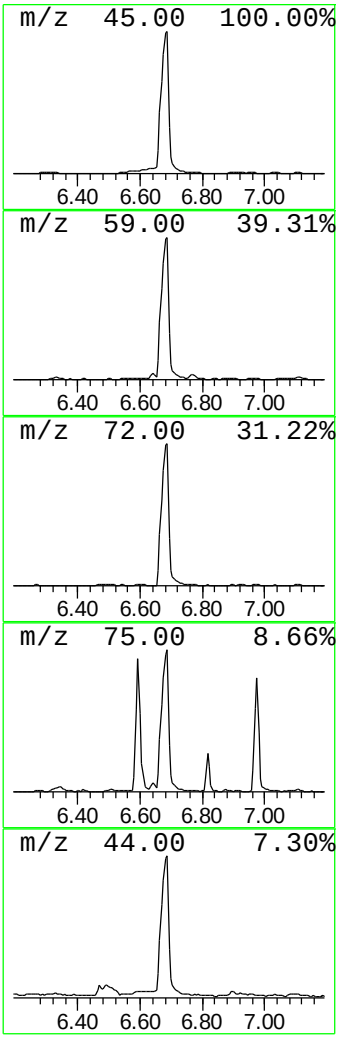
****

Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	98.00 ng	3358190	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Diethyl carbitol	162	C8H18O3	000112-36-7	38
3	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	36
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	36
5	L-Lactic acid	90	C3H6O3	000079-33-4	9





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Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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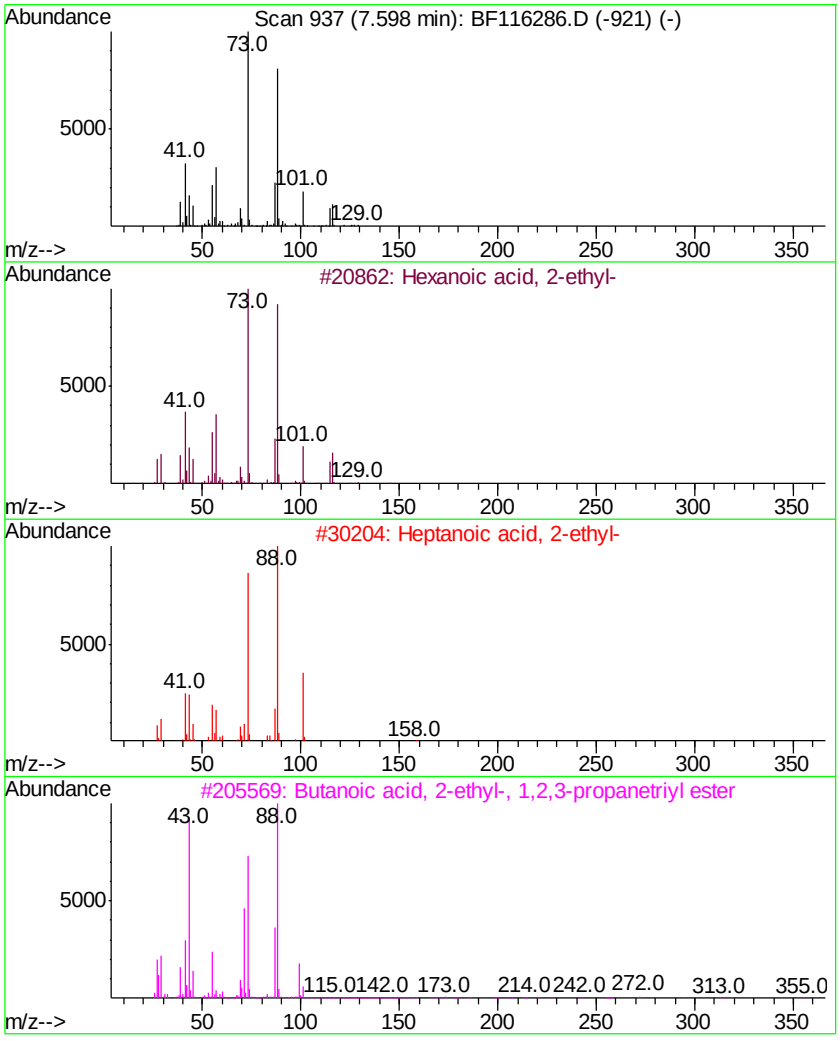
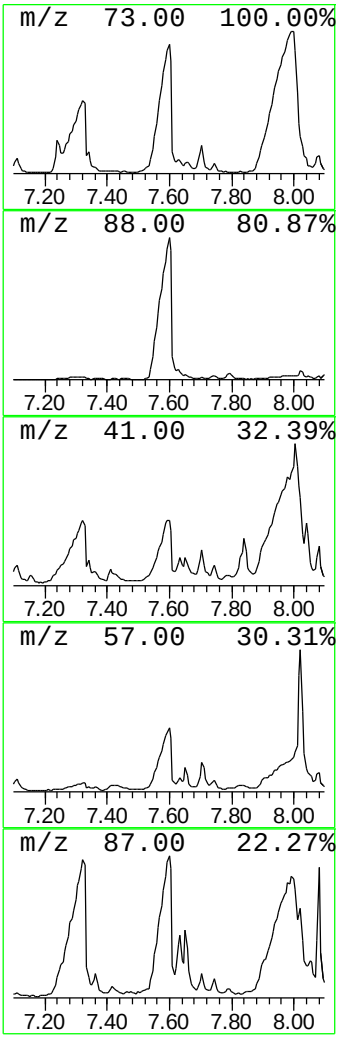
Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	54.62 ng	1755950	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	80
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	53
4	L(-)-Fucose, tetramethyl ether	220	C10H20O5	1000332-75-0	40
5	1,4-Dioxane	88	C4H8O2	000123-91-1	37





Library Search Compound Report

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Sample : K4333-01
Misc :
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Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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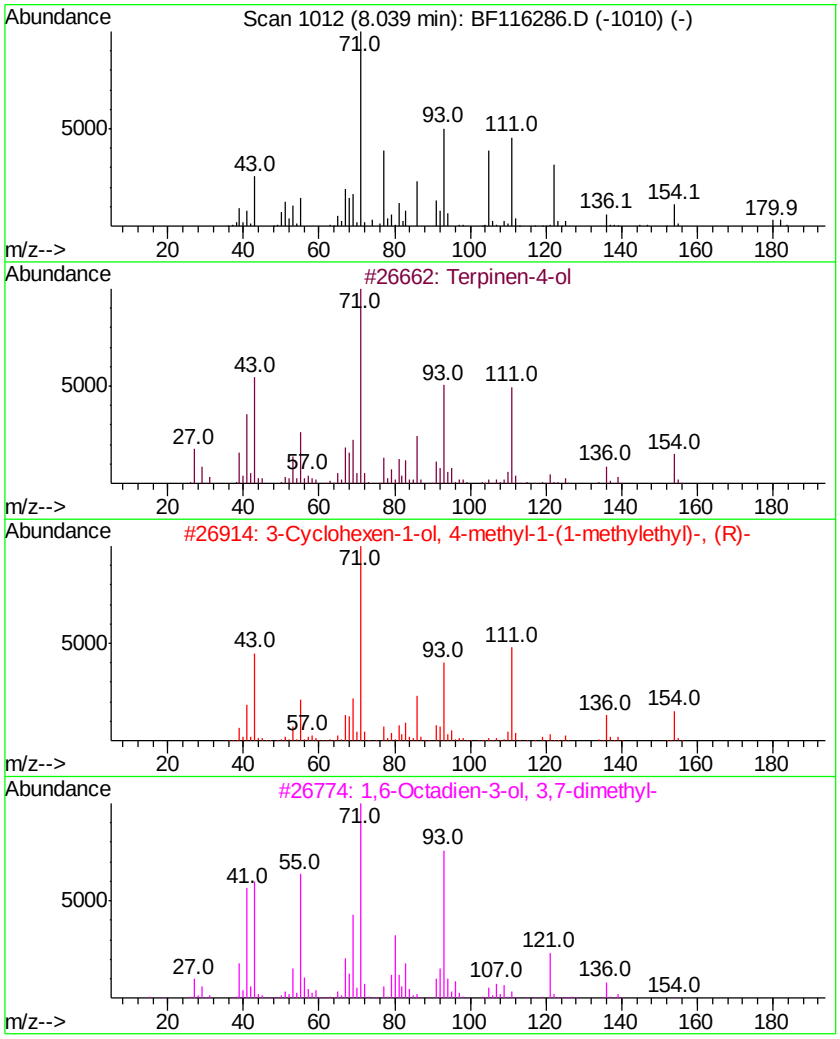
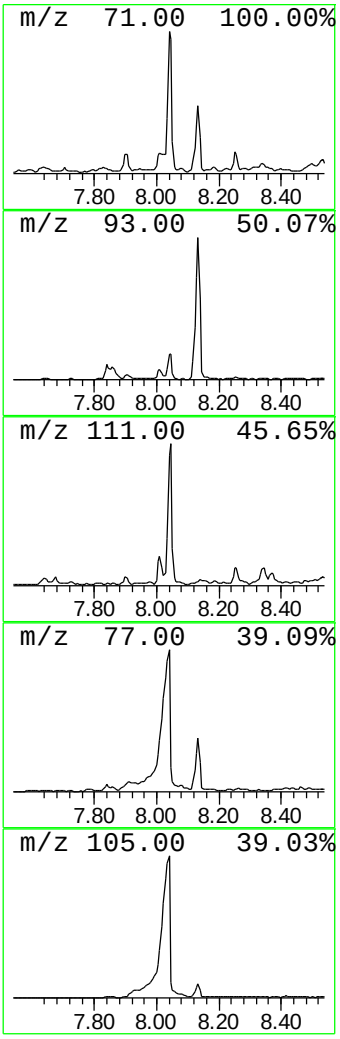
Peak Number 6 Terpinen-4-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	39.86 ng	1281400	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terpinen-4-ol	154	C10H18O	000562-74-3	89
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	70
3	1,6-Octadien-3-ol, 3,7-dimethyl-	154	C10H18O	000078-70-6	25
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	22
5	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	14





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Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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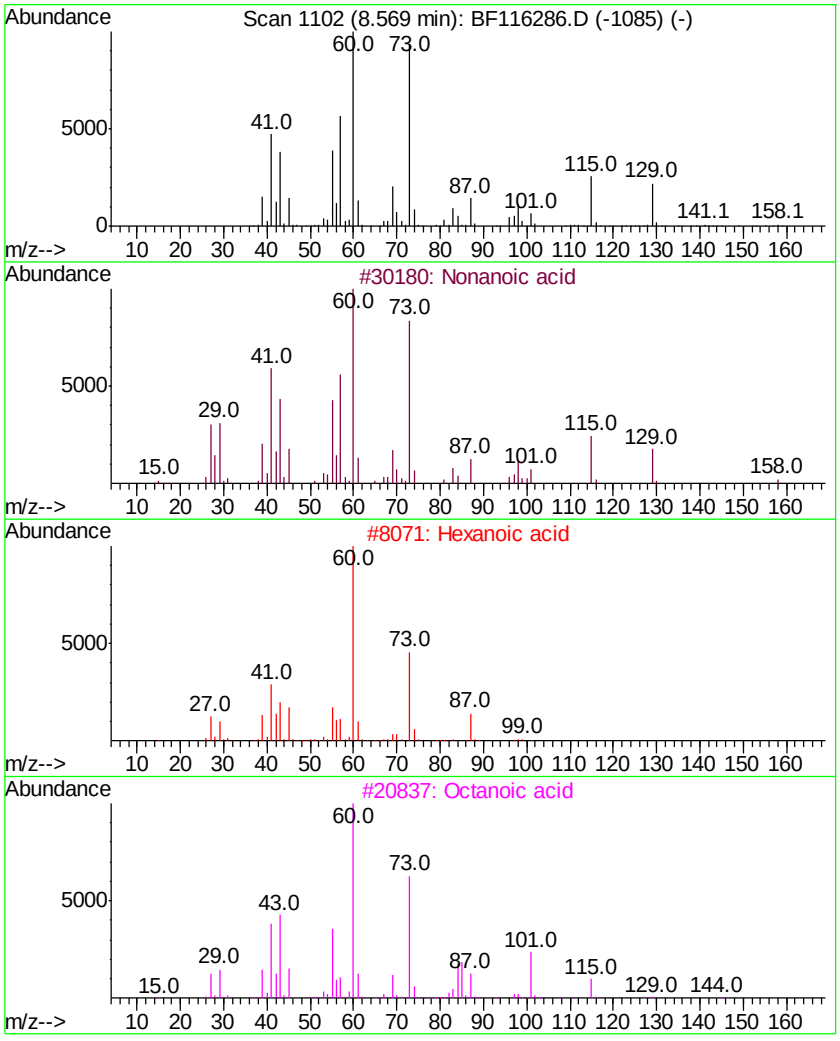
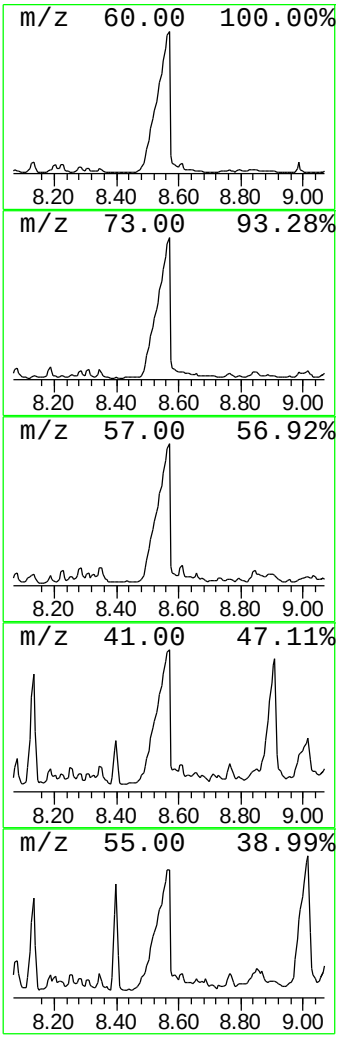
Peak Number 7 Nonanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	147.39 ng	4738120	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	90
2	Hexanoic acid	116	C6H12O2	000142-62-1	47
3	Octanoic acid	144	C8H16O2	000124-07-2	47
4	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	43
5	Heptanoic acid	130	C7H14O2	000111-14-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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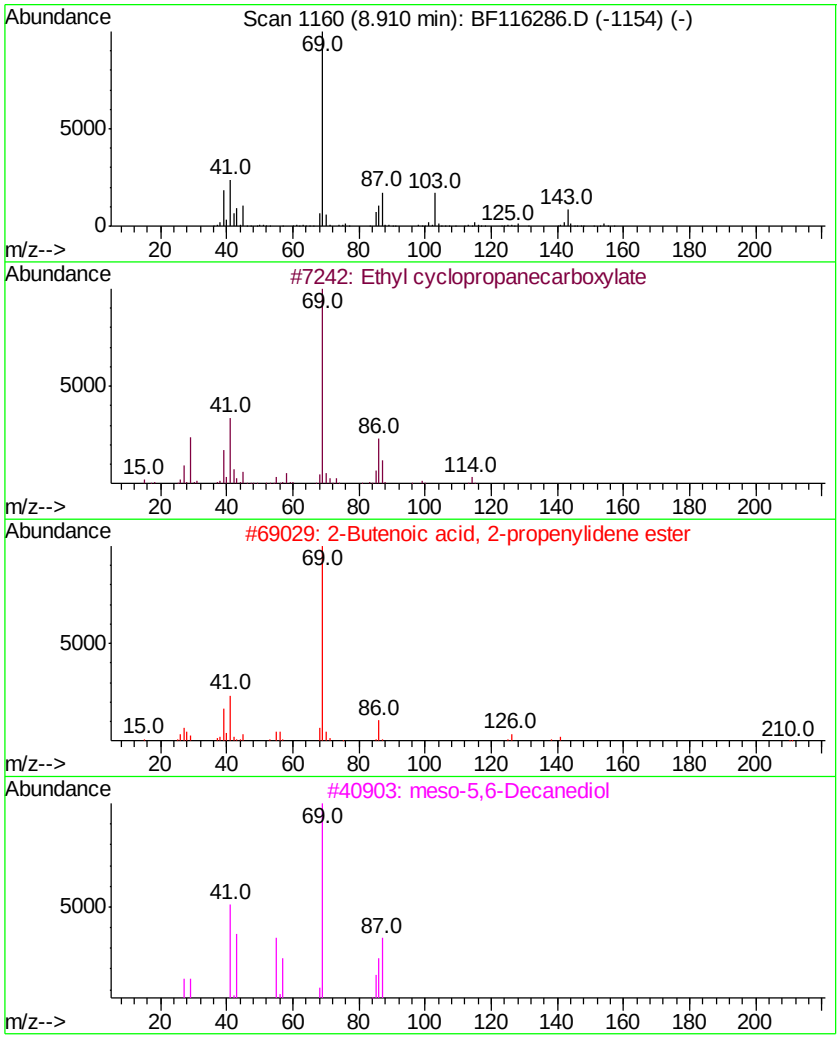
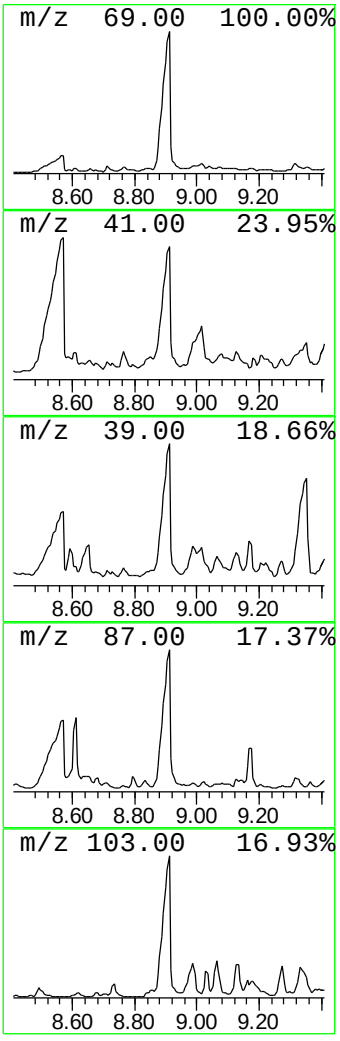
Peak Number 8 unknown8.91 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	62.61 ng	2012660	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	45
2	2-Butenoic acid, 2-propenylidene...	210	C11H14O4	055030-70-1	33
3	meso-5,6-Decanediol	174	C10H22O2	003266-25-9	9
4	3-Hexanol, 2,5-dimethyl-	130	C8H18O	019550-07-3	9
5	Cyclopropanecarboxylic acid,pent...	156	C9H16O2	060128-02-1	9





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Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

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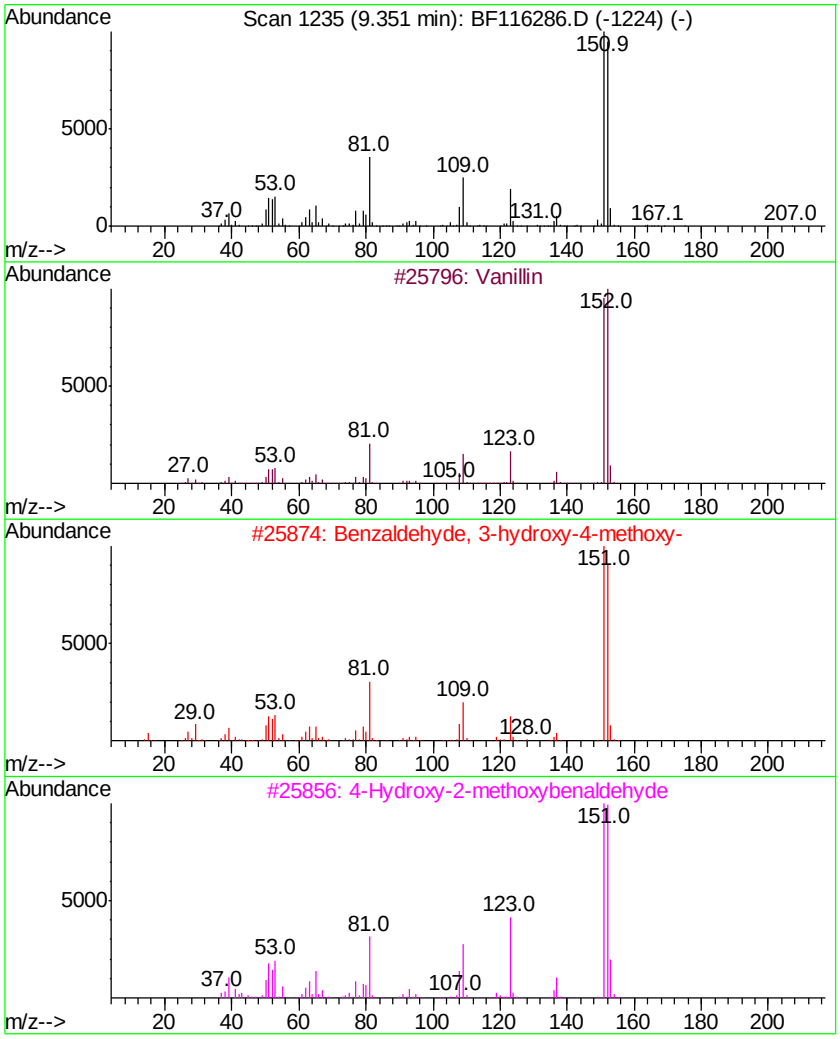
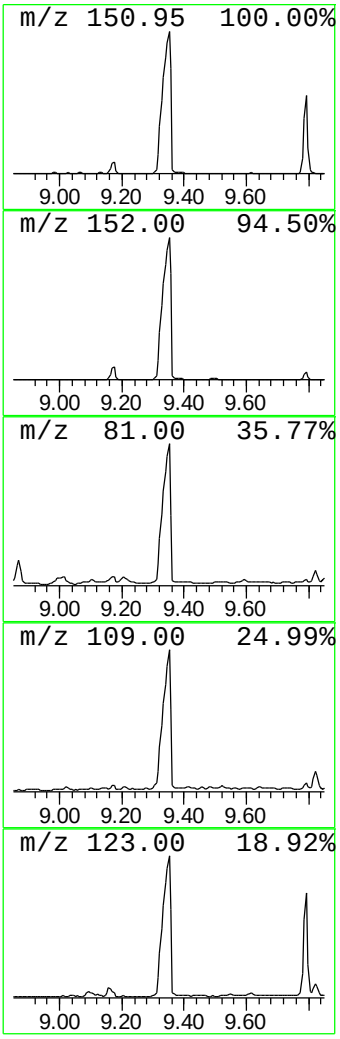
Peak Number 9 Vanillin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	157.84 ng	7860640	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	97
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	97
3	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	87
4	Benzaldehyde, 3-(chloroacetoxy)-...	228	C10H9ClO4	066267-38-7	72
5	Benzaldehyde, 2-hydroxy-4-methoxy-	152	C8H8O3	000673-22-3	64





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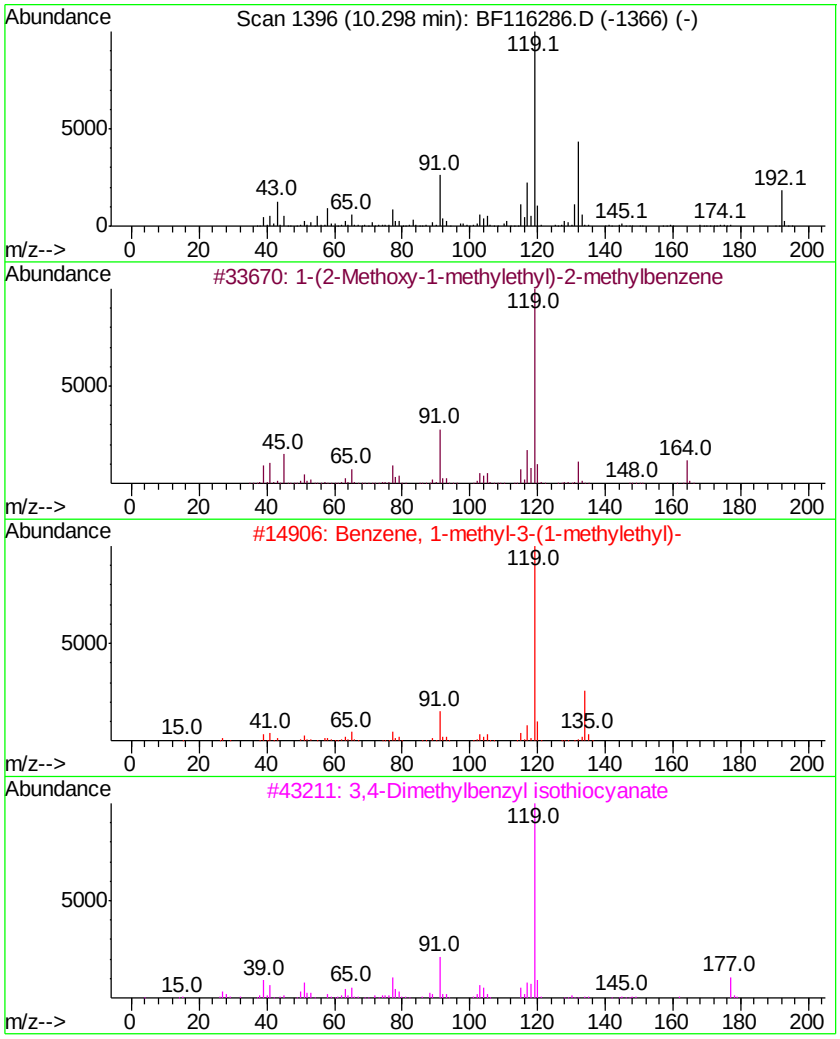
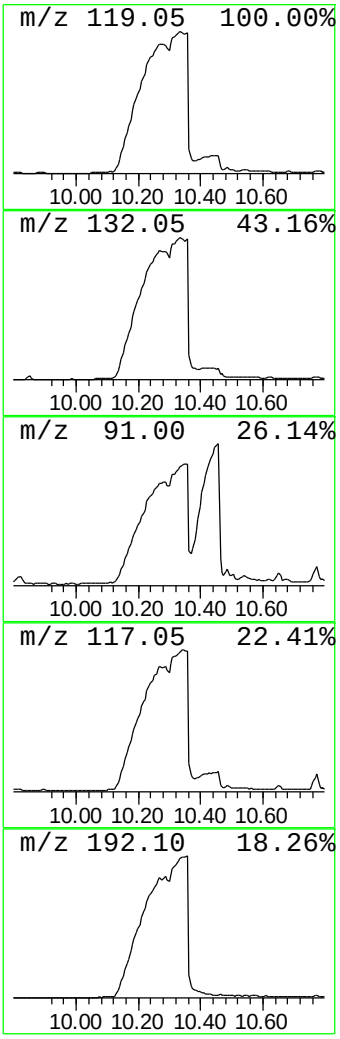
Peak Number 10 1-(2-Methoxy-1-methylethyl)... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	679.04 ng	33817500	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	50
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43
3	3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	43
4	p-Cymene	134	C10H14	000099-87-6	43
5	Phenyl iso-butyl methylcarbinyl ...	220	C14H20O2	1000285-48-0	38





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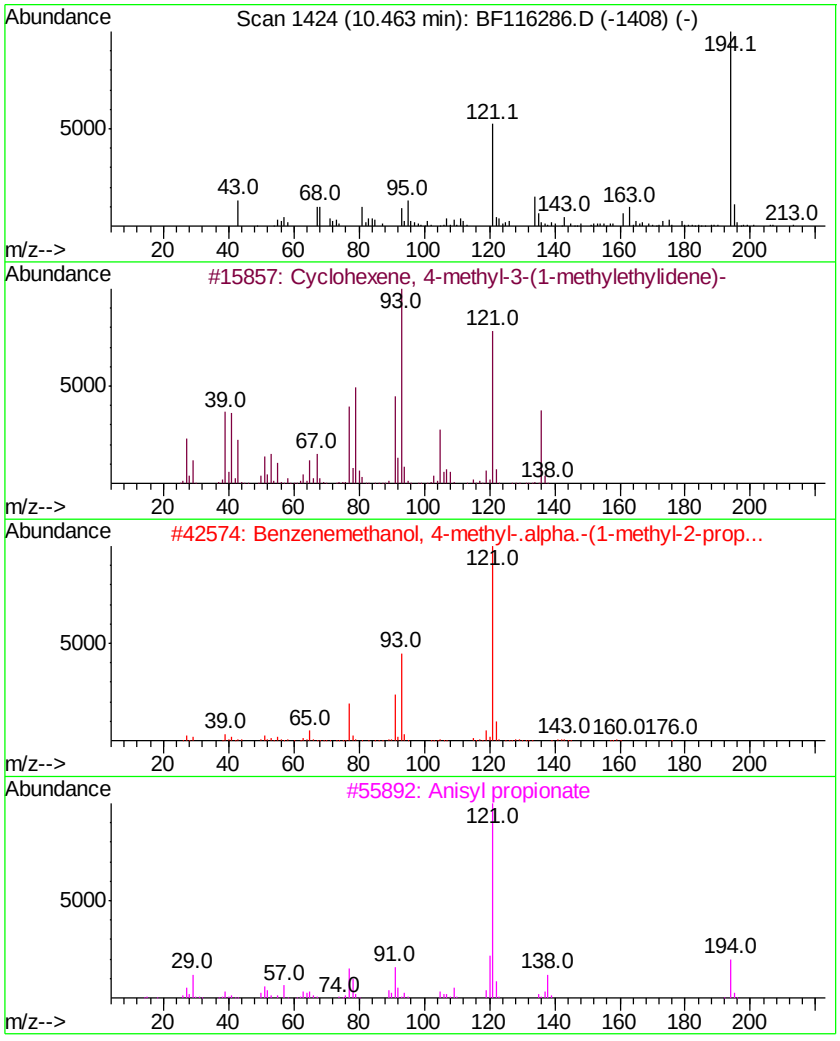
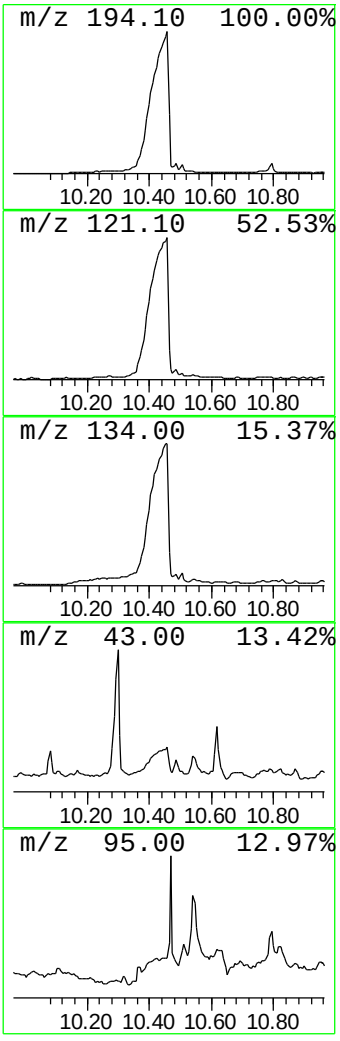
Peak Number 11 Cyclohexene, 4-methyl-3-(1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	363.89 ng	18122200	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-3-(1-methy...	136	C10H16	099805-90-0	64
2	Benzenemethanol, 4-methyl-.alpha...	176	C12H16O	083173-76-6	59
3	Anisyl propionate	194	C11H14O3	007549-33-9	38
4	1,4-Cyclohexadiene, 3,3,6,6-tetr...	136	C10H16	002223-54-3	35
5	Propanoic acid, 3-(2-hydroxy-5-m...	194	C10H14N2O2	004571-32-8	35





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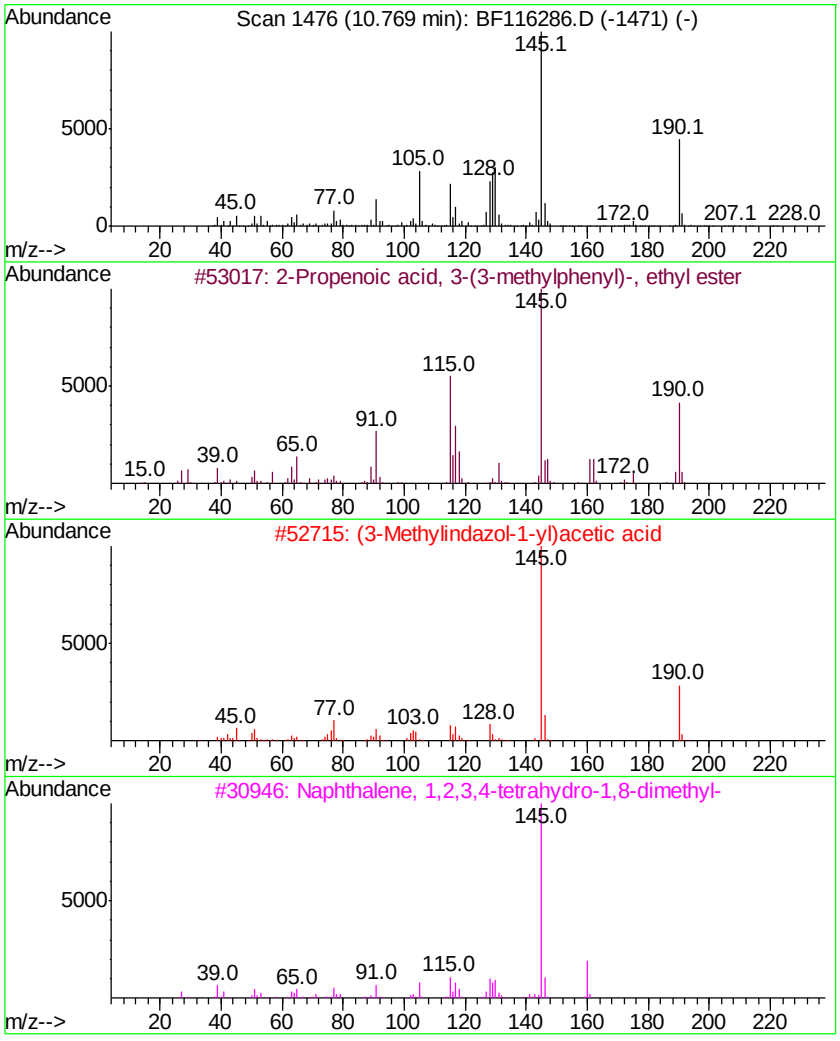
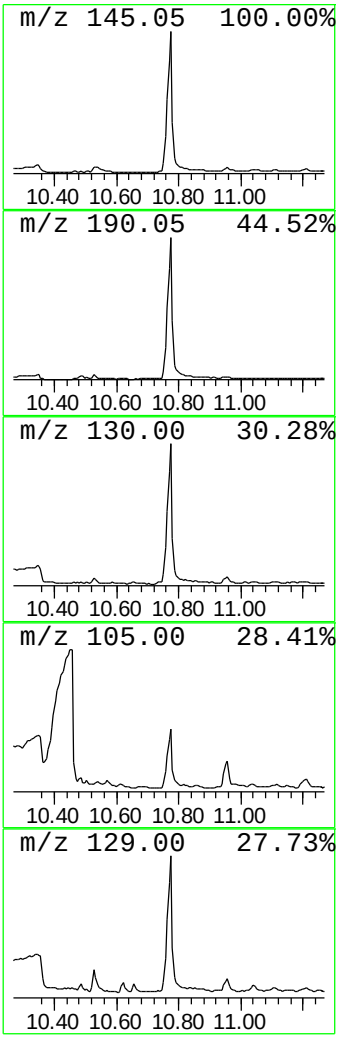
Peak Number 12 2-Propenoic acid, 3-(3-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	38.60 ng	2510140	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(3-methylphe...	190	C12H14O2	050556-03-1	52
2	(3-Methylindazol-1-yl)acetic acid	190	C10H10N2O2	1000316-00-6	47
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	47
4	3-Ethyl-3-phenyl-1-pentene	174	C13H18	019781-34-1	47
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	47





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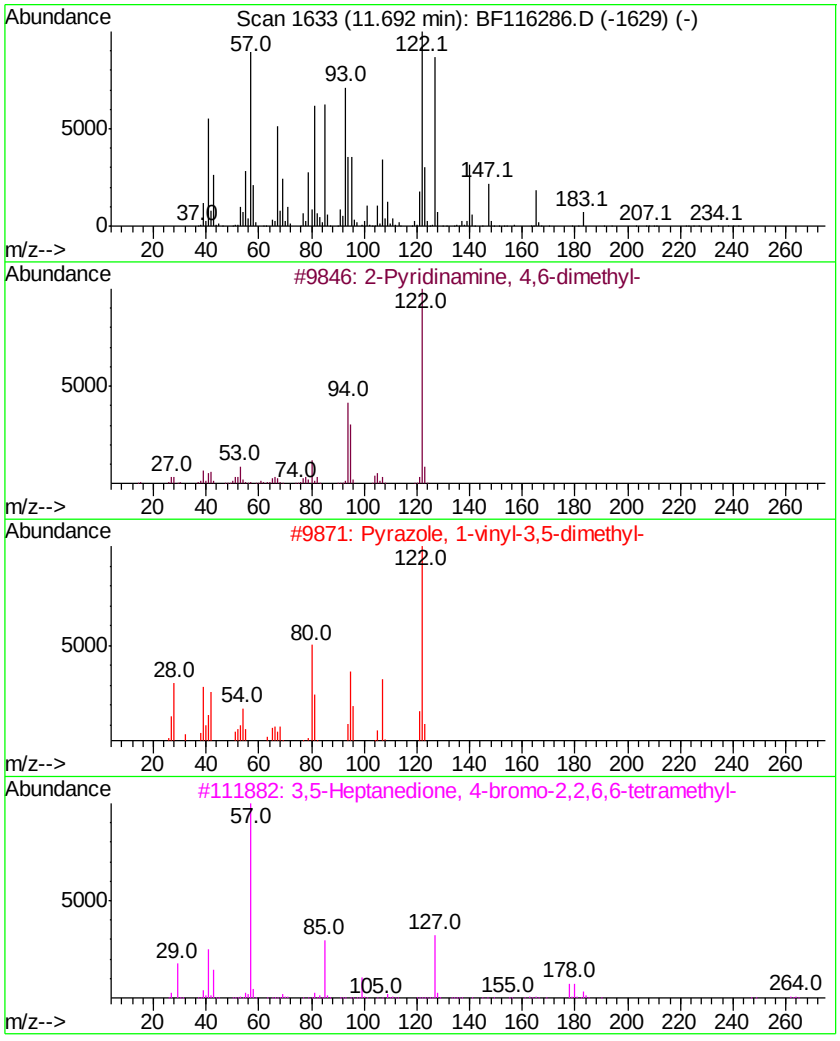
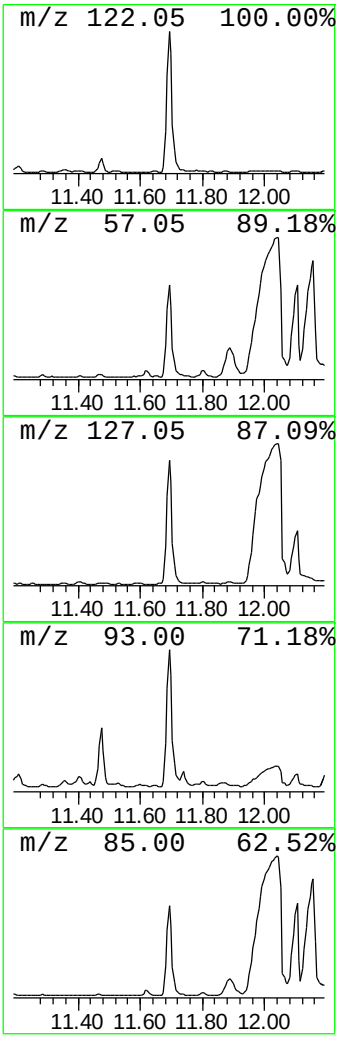
Peak Number 13 unknown11.69 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	76.26 ng	4959520	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyridinamine, 4,6-dimethyl-	122	C7H10N2	005407-87-4	25
2	Pyrazole, 1-vinyl-3,5-dimethyl-	122	C7H10N2	015967-75-6	22
3	3,5-Heptanedione, 4-bromo-2,2,6,...	262	C11H19BrO2	039516-78-4	14
4	3-Methyl-4-nitro-hex-4-enoic acid	173	C7H11NO4	1000186-07-0	14
5	Fumaric acid, ethyl 2-(2-methyle...	238	C13H18O4	1000156-69-5	14





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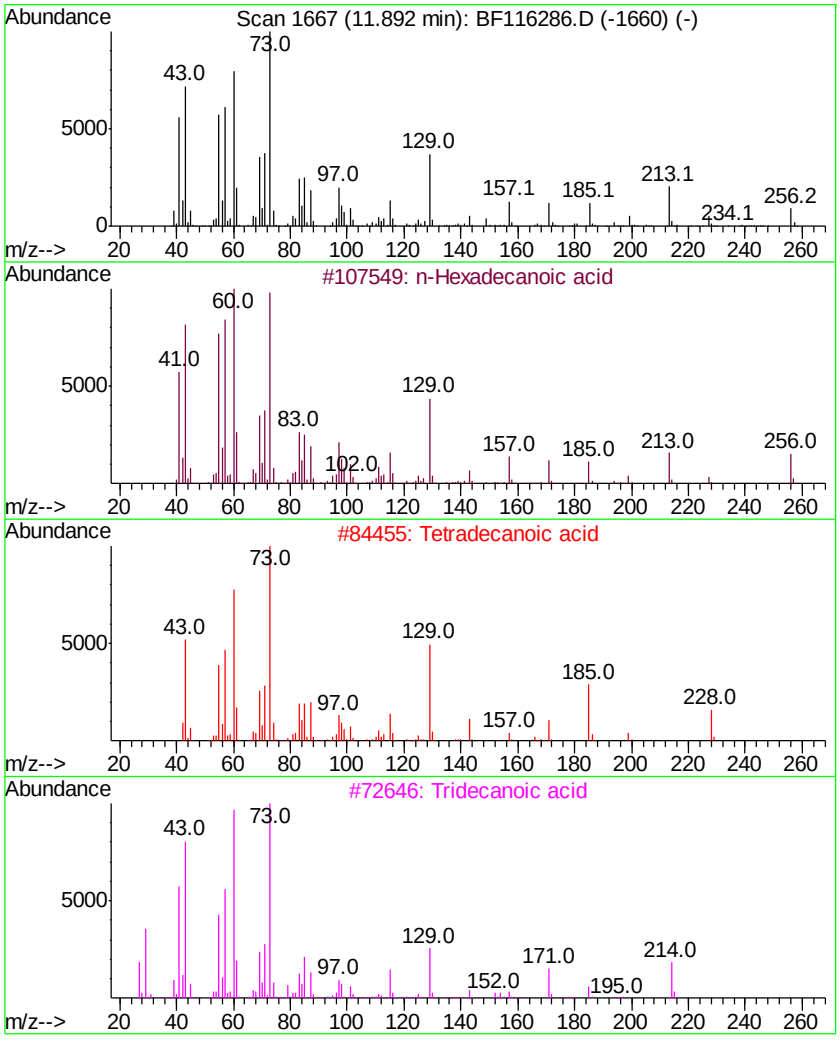
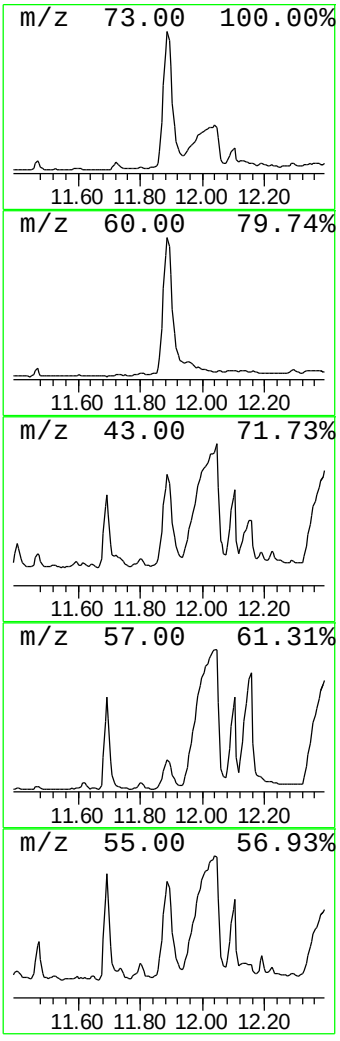
Peak Number 14 n-Hexadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	41.06 ng	2670360	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	d-Arabinose	150	C5H10O5	010323-20-3	43





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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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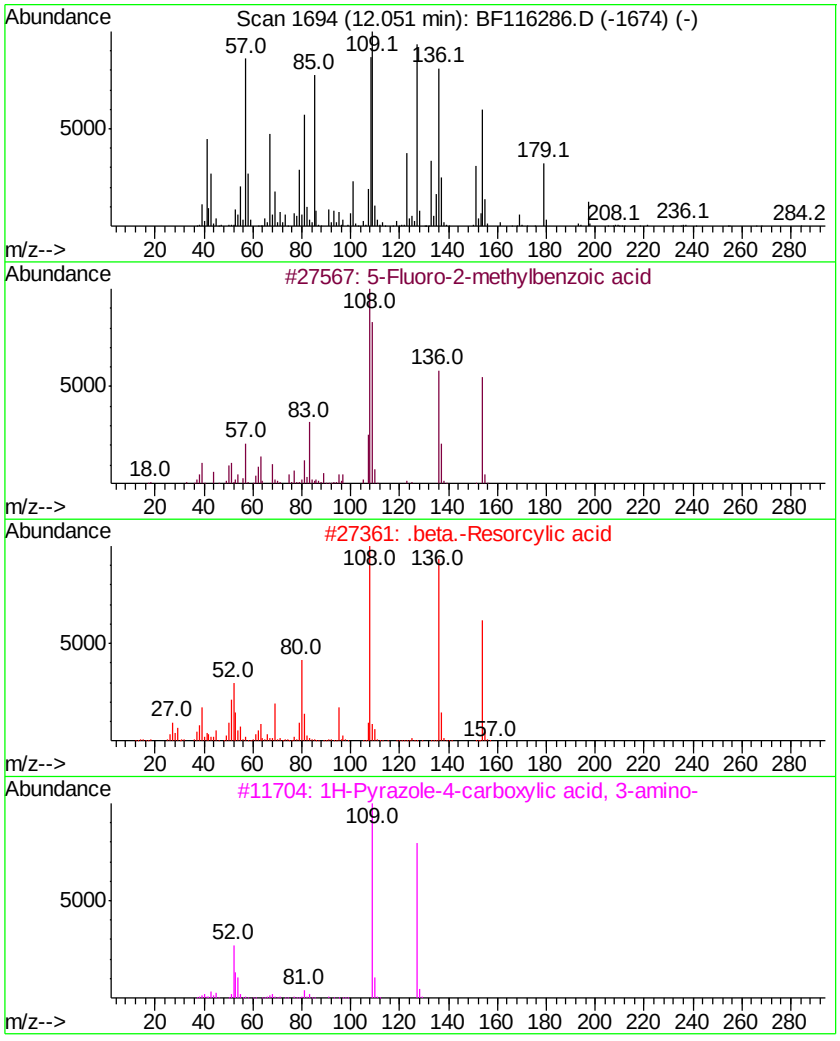
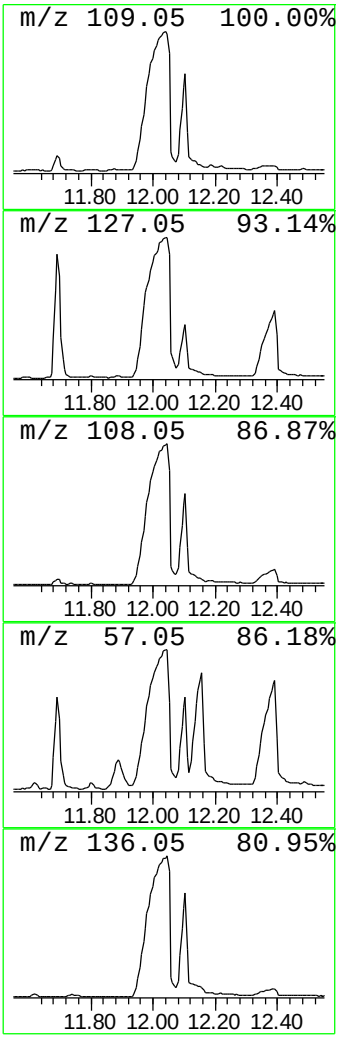
Peak Number 15 unknown12.05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	375.35 ng	24409300	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	49
2	.beta.-Resorcylic acid	154	C7H6O4	000089-86-1	27
3	1H-Pyrazole-4-carboxylic acid, 3...	127	C4H5N3O2	041680-34-6	22
4	Benzoic acid, 2,6-dihydroxy-	154	C7H6O4	000303-07-1	22
5	1,2-Benzenediamine	108	C6H8N2	000095-54-5	11





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ClientSampleId : FRAC-TANK

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TIC Library : C:\DATABASE\NIST11.L
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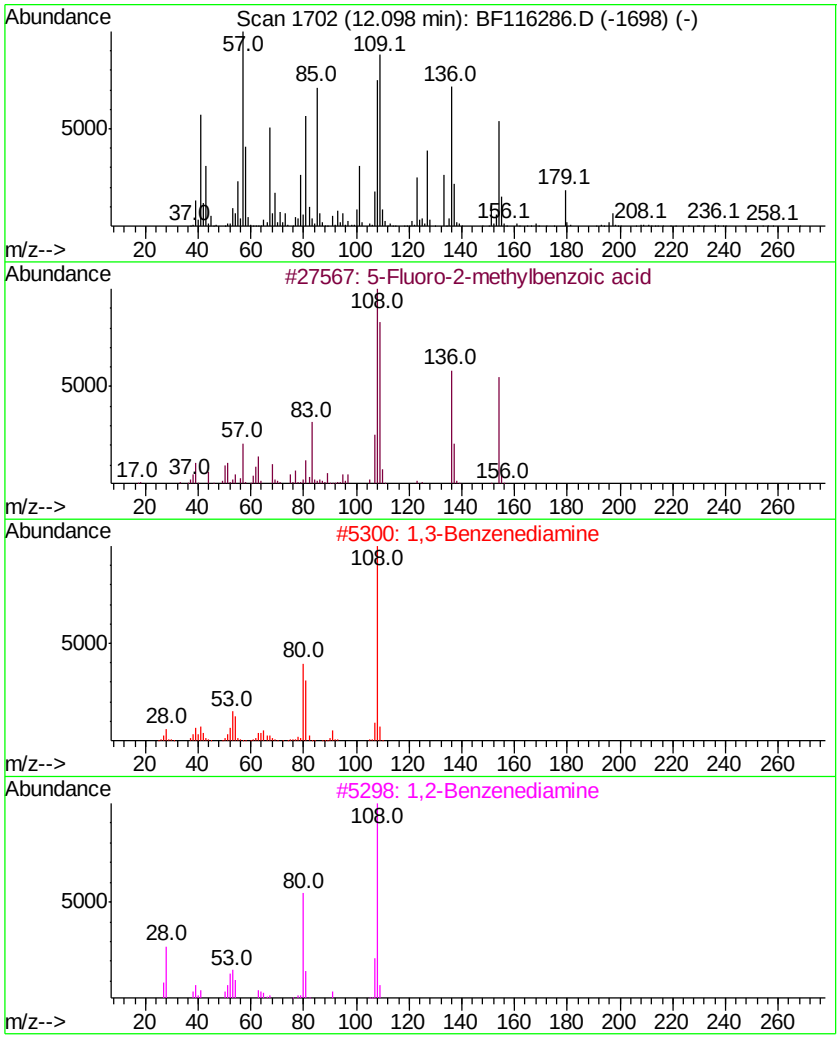
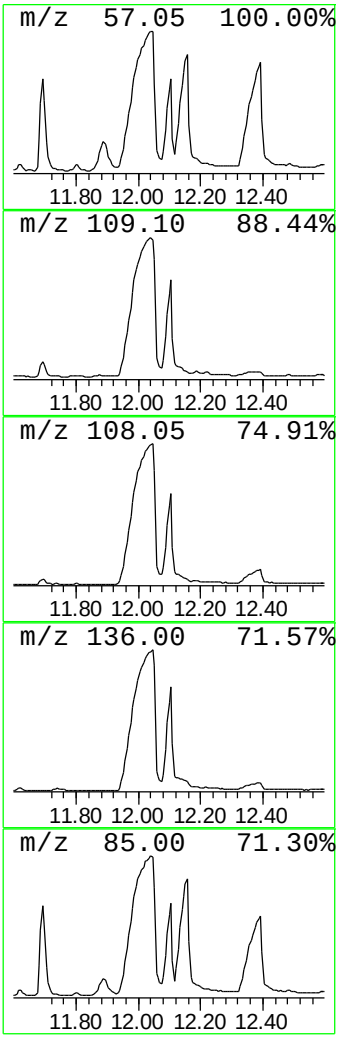
Peak Number 16 unknown12.10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	62.70 ng	4077460	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	43
2	1,3-Benzenediamine	108	C6H8N2	000108-45-2	11
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	11
4	Butanamide, N-(4-hydroxyphenyl)-	179	C10H13NO2	000101-91-7	11
5	1H-1,2,3-Triazolo[4,5-d]pyrimidi...	136	C4H4N6	010179-84-7	11





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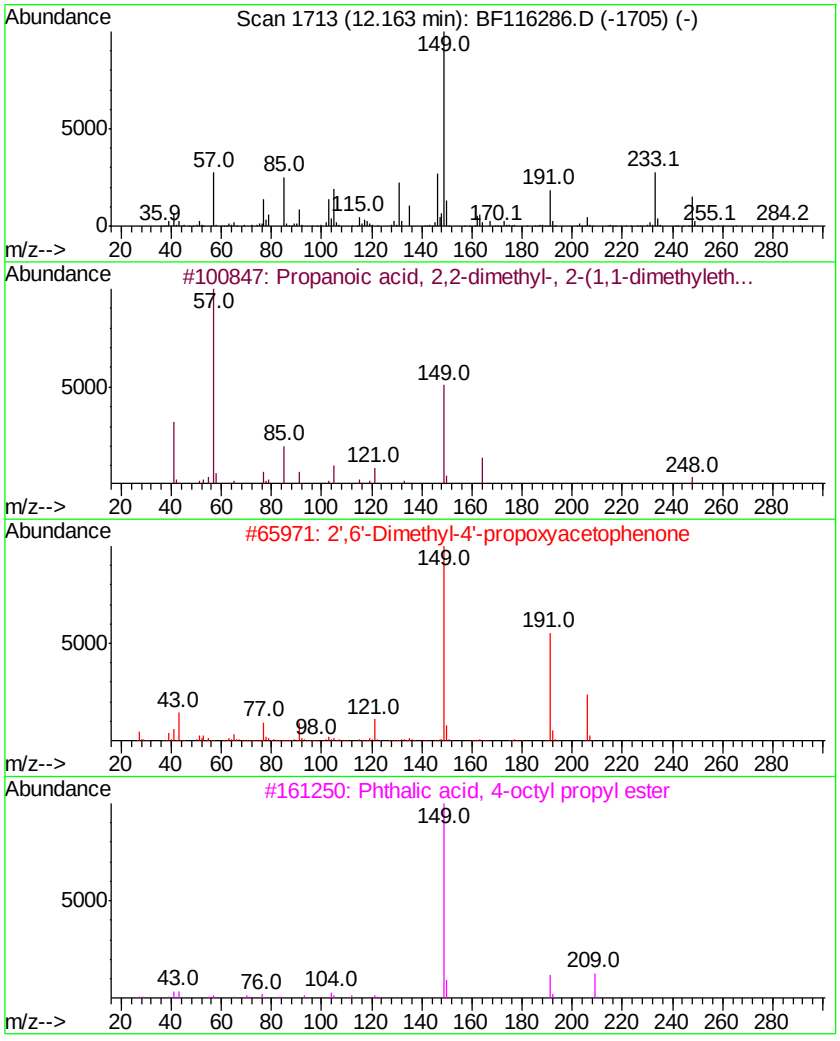
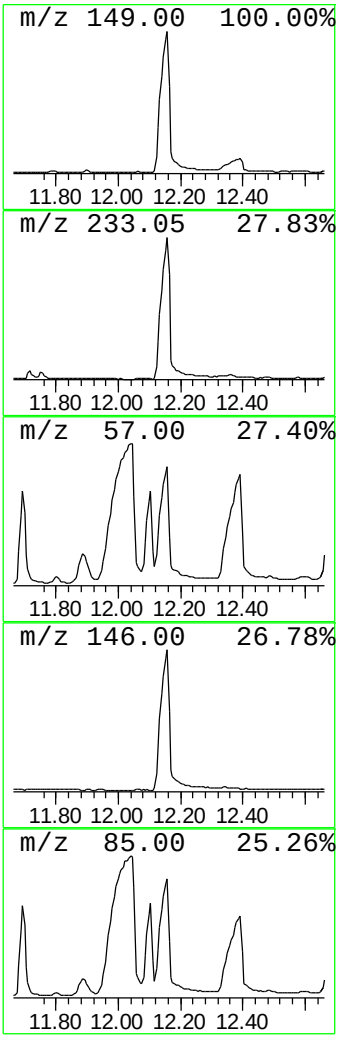
Peak Number 17 Propanoic acid, 2,2-dimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	97.71 ng	6354070	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2,2-dimethyl-, 2...	248	C16H24O2	054644-45-0	53
2	2',6'-Dimethyl-4'-propoxyacetoph...	206	C13H18O2	1000195-98-1	35
3	Phthalic acid, 4-octyl propyl ester	320	C19H28O4	1000314-83-7	35
4	Phthalic acid, propyl 2-tert-but...	354	C22H26O4	1000357-09-3	35
5	Phthalic acid, hexyl phenyl ester	326	C20H22O4	1000314-87-2	32





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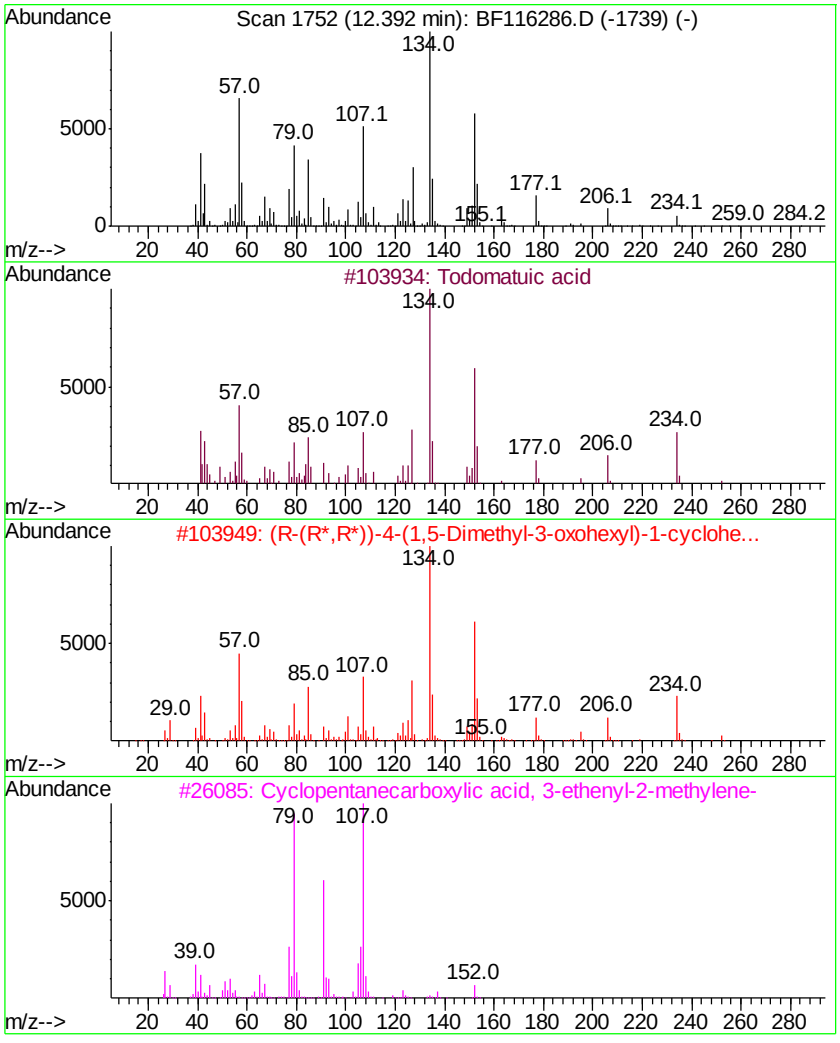
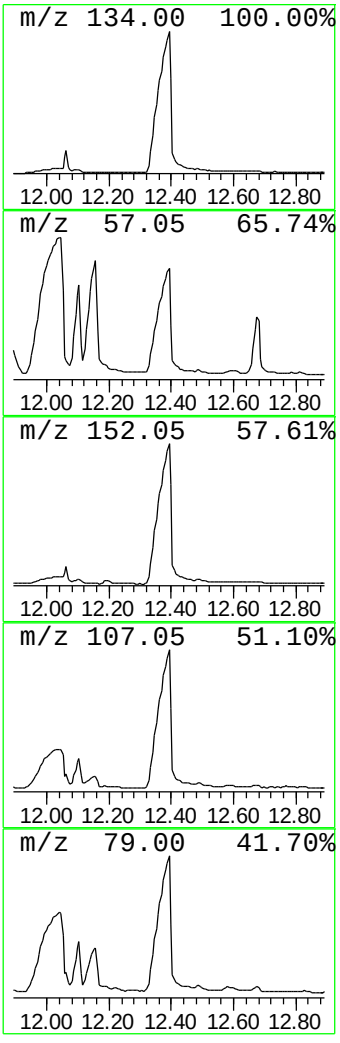
Peak Number 18 Todomatuic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	186.84 ng	12150200	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Todomatuic acid	252	C15H24O3	017844-07-4	90
2	(R-(R*,R*))-4-(1,5-Dimethyl-3-ox...	252	C15H24O3	006753-22-6	80
3	Cyclopentanecarboxylic acid, 3-e...	152	C9H12O2	108451-43-0	30
4	4-Azaindol-2(3H)-one	134	C7H6N2O	032501-05-6	27
5	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	22





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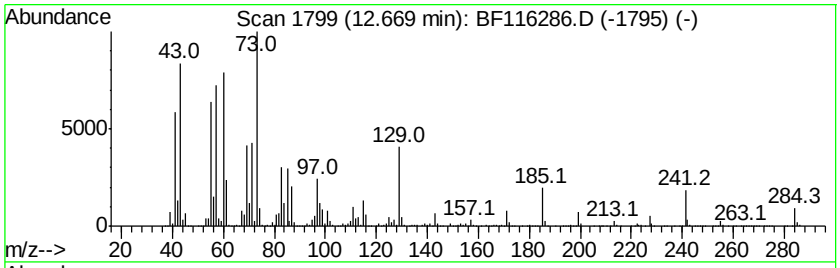
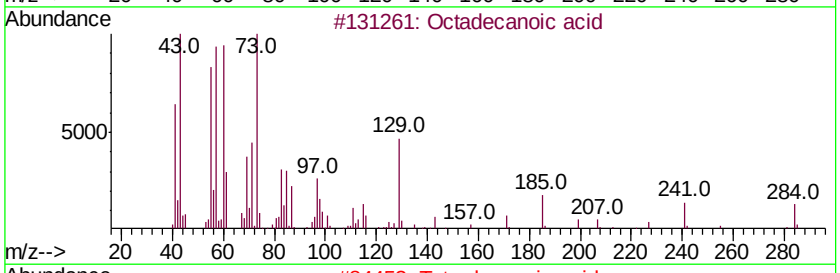
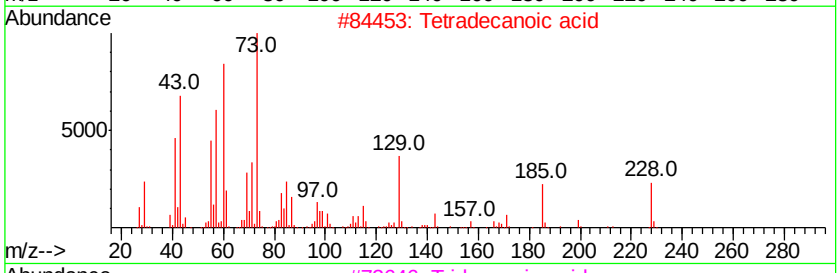
Peak Number 19 Octadecanoic acid Concentration Rank 13

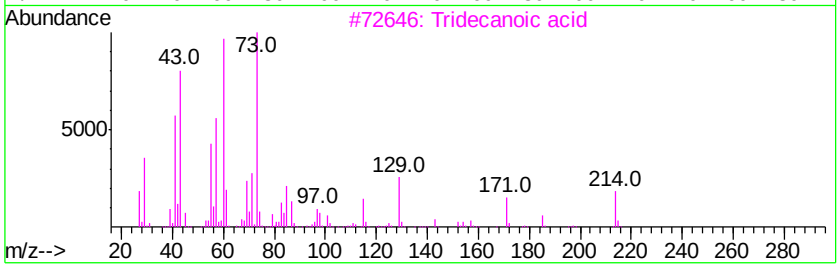
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	69.12 ng	3546860	Chrysene-d12	13.99

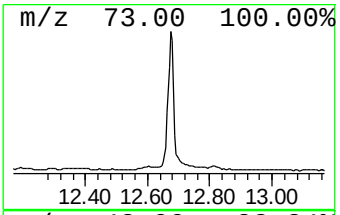
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62

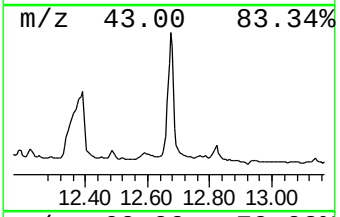


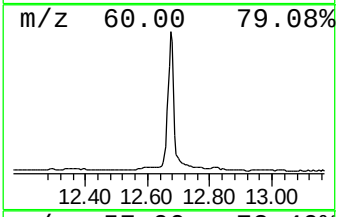


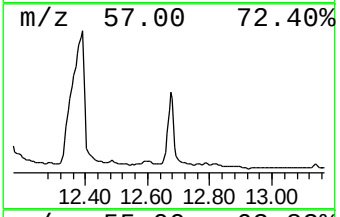


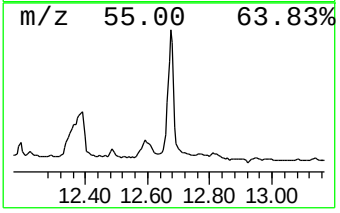












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

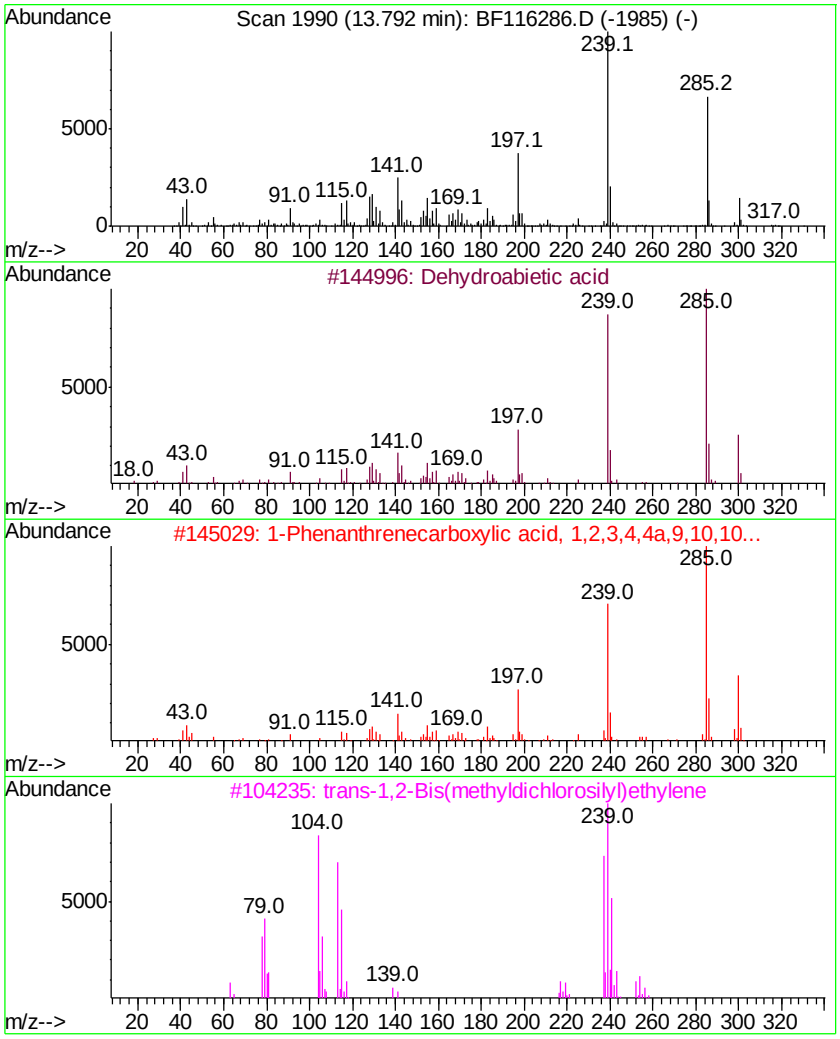
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

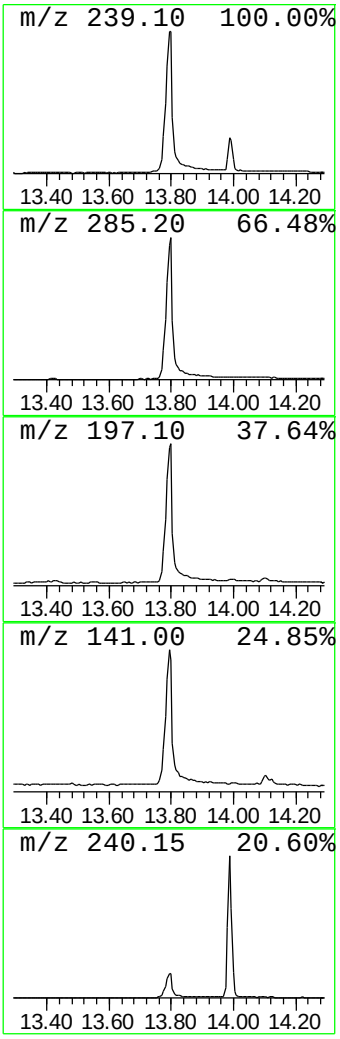
****

Peak Number 20 Dehydroabietic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	65.96 ng	3384720	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	83
3	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	74
4	Methyl dehydroabietate	314	C21H30O2	001235-74-1	49
5	5H-Pyrrolo[3,4-b]pyrazine-5,7(6H...	239	C13H9N3O2	1000337-19-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081519\
Data File : BF116286.D
Acq On : 15 Aug 2019 18:56
Operator : HP/JU
Sample : K4333-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Heptanone	5.65	275.9	ng	9453230	1	6.82	685348	20.0
unknown6.59	6.59	80.5	ng	2757670	1	6.82	685348	20.0
Ethanol, 2-(2-eth...	6.69	98.0	ng	3358190	1	6.82	685348	20.0
Hexanoic acid, 2-...	7.60	54.6	ng	1755950	2	8.10	642946	20.0
Terpinen-4-ol	8.04	39.9	ng	1281400	2	8.10	642946	20.0
Nonanoic acid	8.57	147.4	ng	4738120	2	8.10	642946	20.0
unknown8.91	8.91	62.6	ng	2012660	2	8.10	642946	20.0
Vanillin	9.35	157.8	ng	7860640	3	9.85	996034	20.0
1-(2-Methoxy-1-me...	10.30	679.0	ng	33817500	3	9.85	996034	20.0
Cyclohexene, 4-me...	10.46	363.9	ng	18122200	3	9.85	996034	20.0
2-Propenoic acid,...	10.77	38.6	ng	2510140	4	11.34	1300610	20.0
unknown11.69	11.69	76.3	ng	4959520	4	11.34	1300610	20.0
n-Hexadecanoic acid	11.89	41.1	ng	2670360	4	11.34	1300610	20.0
unknown12.05	12.05	375.4	ng	24409300	4	11.34	1300610	20.0
unknown12.10	12.10	62.7	ng	4077460	4	11.34	1300610	20.0
Propanoic acid, 2...	12.16	97.7	ng	6354070	4	11.34	1300610	20.0
Todomatuic acid	12.39	186.8	ng	12150200	4	11.34	1300610	20.0
Octadecanoic acid	12.67	69.1	ng	3546860	5	13.99	1026290	20.0
Dehydroabietic acid	13.79	66.0	ng	3384720	5	13.99	1026290	20.0