LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

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-BF101819.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	5.357	553	556	578	rBV	526721	668637	88.62%	9.202%
2	5.563	588	591	599	rVB	9235	12780	1.69%	0.176%
3	6.386	728	731	748	rBV	674638	743035	98.48%	10.226%
4	6.510	748	752	759	rVV	806038	754522	100.00%	10.384%
5	6.569	759	762	766	rVV	28031	33457	4.43%	0.460%
6	6.610	766	769	774	rVB	10110	12636	1.67%	0.174%
7	6.734	786	790	798	rBV	237320	234731	31.11%	3.231%
8	6.886	812	816	831	rBV	594614	497139	65.89%	6.842%
9	6.998	831	835	843	rVV	13325	19486	2.58%	0.268%
10	7.298	882	886	894	rBV	365645	384474	50.96%	5.291%
11	7.586	932	935	946	rVB	69826	73044	9.68%	1.005%
12	7.769	962	966	969	rBV	8688	9942	1.32%	0.137%
13	7.816	969	974	981	rVB	14472	21918	2.90%	0.302%
14	8.010	1004	1007	1019	rBV	277622	289524	38.37%	3.985%
15	8.228	1041	1044	1051	rBV	73541	65743	8.71%	0.905%
16	8.286	1051	1054	1065	rVB	79191	73773	9.78%	1.015%
17	8.716	1123	1127	1136	rBB2	29887	35482	4.70%	0.488%
18	8.786	1136	1139	1143	rBV	20146	16154	2.14%	0.222%
19	8.828	1143	1146	1149	rBV	13573	10866	1.44%	0.150%
20	8.898	1155	1158	1161	rBV	13741	10972	1.45%	0.151%
21	9.004	1174	1176	1180	rBV	18788	15968	2.12%	0.220%
22	9.086	1186	1190	1199	rBV	621903	540433	71.63%	7.438%
23	9.239	1214	1216	1220	rVB	15725	12728	1.69%	0.175%
24	9.480	1254	1257	1262	rBV	67541	55623	7.37%	0.766%
25	9.763	1302	1305	1309	rBV	338118	286938	38.03%	3.949%
26	9.798	1309	1311	1317	rVB4	11628	14623	1.94%	0.201%
27	9.939	1330	1335	1339	rBV4	6675	9057	1.20%	0.125%
28	10.557	1437	1440	1452	rBV	343314	317698	42.11%	4.372%
29	11.251	1555	1558	1561	rBV	293368	257441	34.12%	3.543%
30	11.274	1561	1562	1566	rVV	80704	56055	7.43%	0.771%
31	11.333	1568	1572	1576	rVB	14284	17505	2.32%	0.241%
32	11.498	1594	1600	1602	rBV2	6045	10311	1.37%	0.142%
33	11.757	1640	1644	1646	rBV2	15016	17076	2.26%	0.235%
34	11.780	1646	1648	1654	rVB4	34166	38882	5.15%	0.535%

LSC Area Percent Report

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Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.868	1660	1663	1665	rBV	18156	20239	2.68%	0.279%
36	12.304	1734	1737	1741	rBV3	7841	11782	1.56%	0.162%
37	12.468	1762	1765	1769	rBV	140134	126639	16.78%	1.743%
38	12.651	1794	1796	1798	rBV3	8223	8133	1.08%	0.112%
39	12.698	1798	1804	1809	rVV	124196	137517	18.23%	1.893%
40	12.833	1823	1827	1830	rBV	464145	405751	53.78%	5.584%
41	12.921	1838	1842	1845	rVB4	7991	9805	1.30%	0.135%
42	13.027	1852	1860	1864	rBV	23885	47913	6.35%	0.659%
43	13.092	1869	1871	1874	rVB	20198	17018	2.26%	0.234%
44	13.133	1874	1878	1879	rBV2	12350	16263	2.16%	0.224%
45	13.221	1891	1893	1896	rVB3	11582	9520	1.26%	0.131%
46	13.251	1896	1898	1902	rBV4	12471	18173	2.41%	0.250%
47	13.304	1905	1907	1911	rVB4	11518	12594	1.67%	0.173%
48	13.651	1963	1966	1967	rBV2	11994	13489	1.79%	0.186%
49	13.739	1978	1981	1986	rVB5	26139	39536	5.24%	0.544%
50	13.862	1999	2002	2004	rBV	39841	36711	4.87%	0.505%
51	13.898	2004	2008	2011	rVV2	292467	347886	46.11%	4.788%
52	13.921	2011	2012	2021	rVB	68360	65061	8.62%	0.895%
53	14.921	2180	2182	2185	rBV	34349	45108	5.98%	0.621%
54	15.333	2246	2252	2257	rBV3	132234	201428	26.70%	2.772%
55	15.721	2316	2318	2324	rVB2	41086	56830	7.53%	0.782%

Sum of corrected areas: 7266049

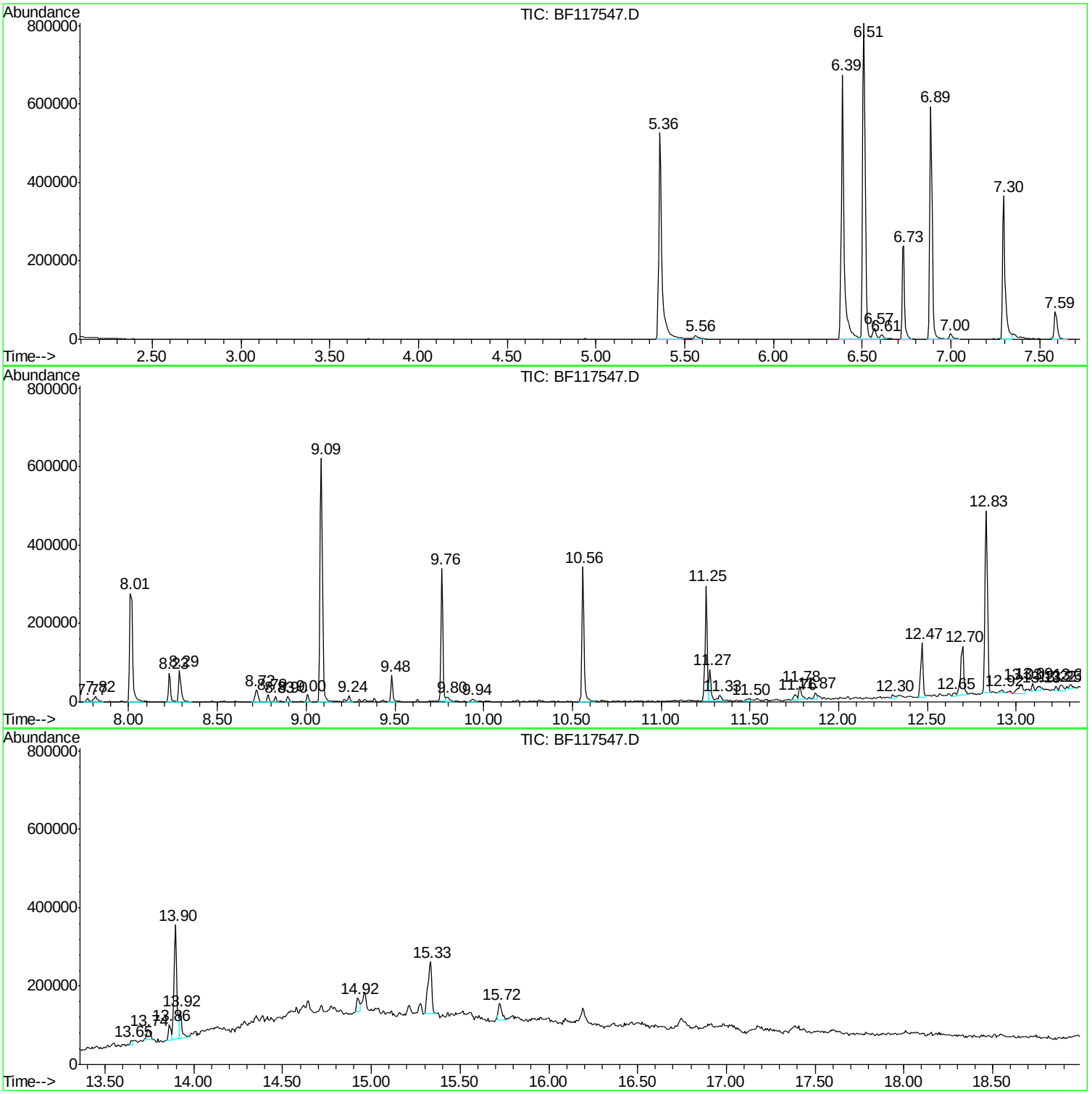
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

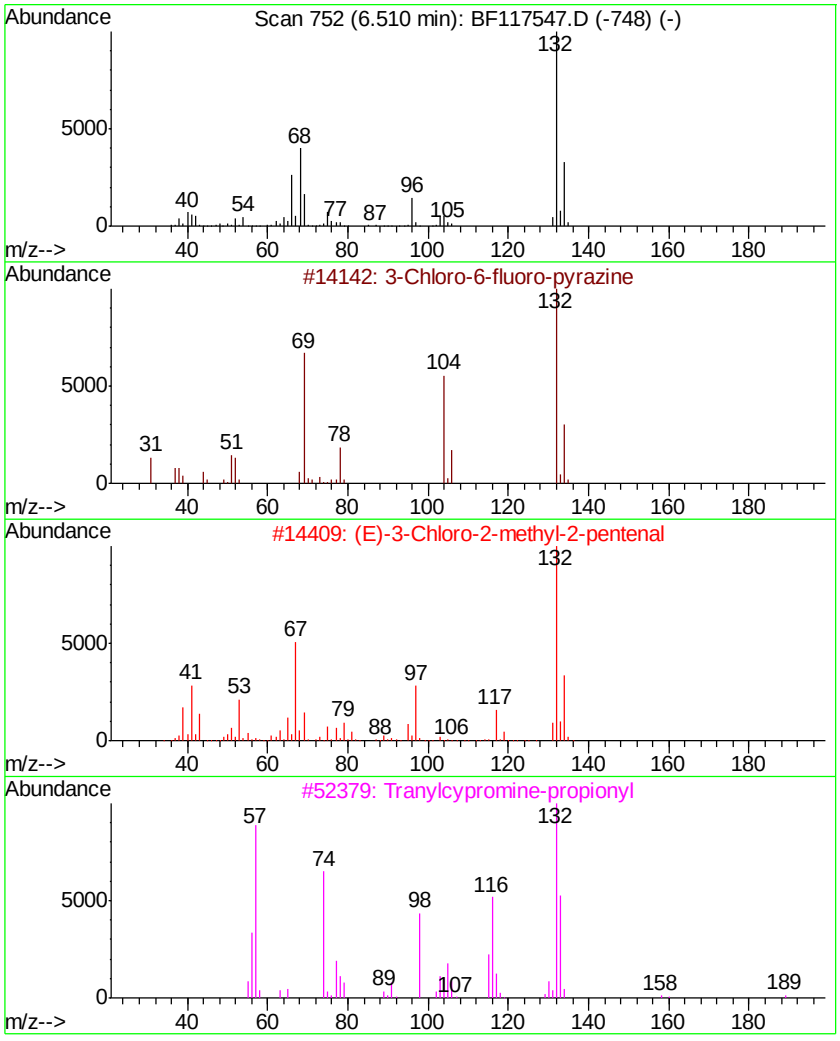
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

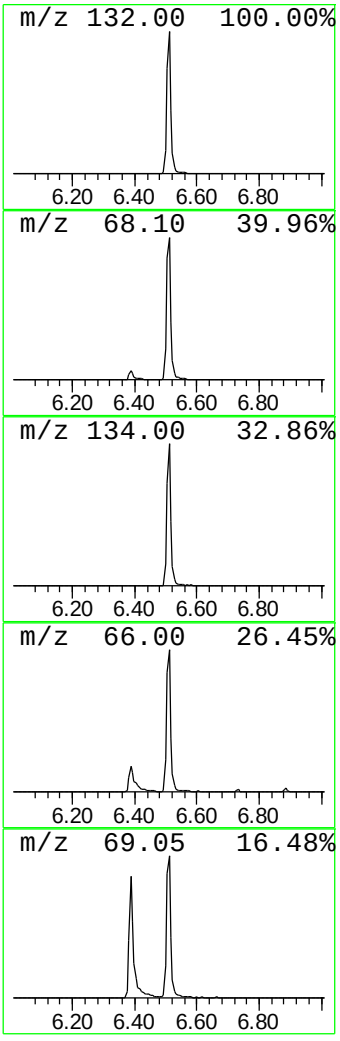
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	64.29 ng	754522	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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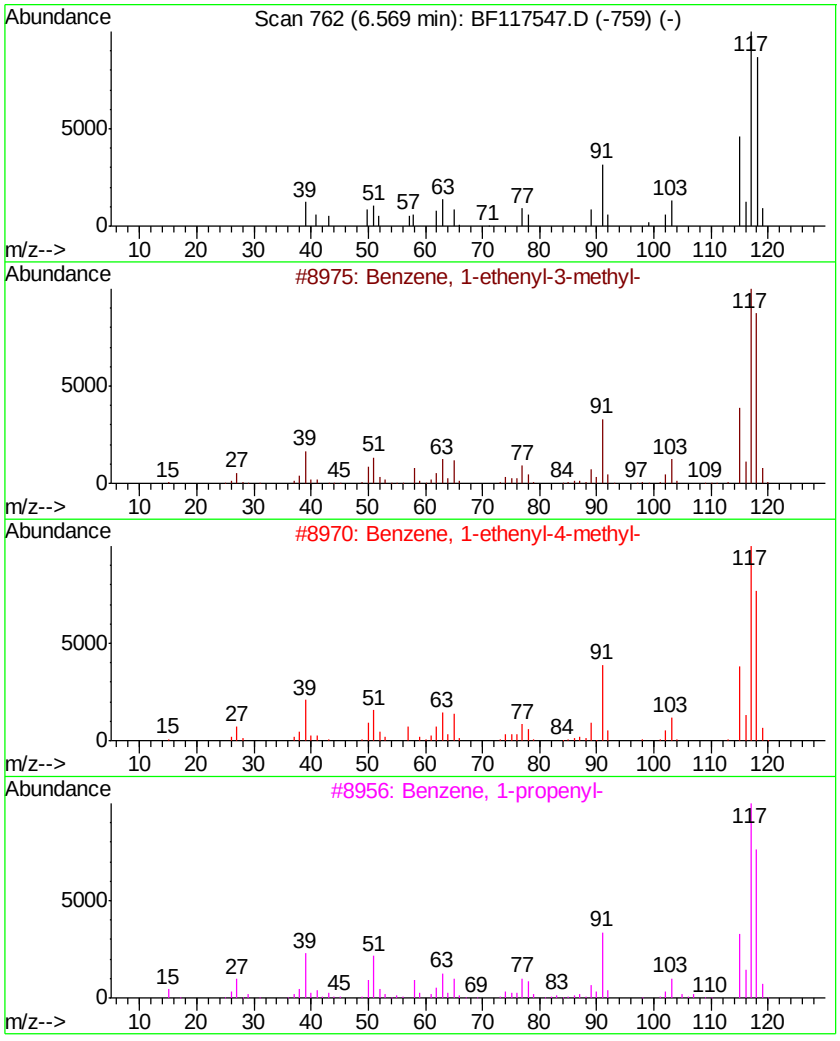
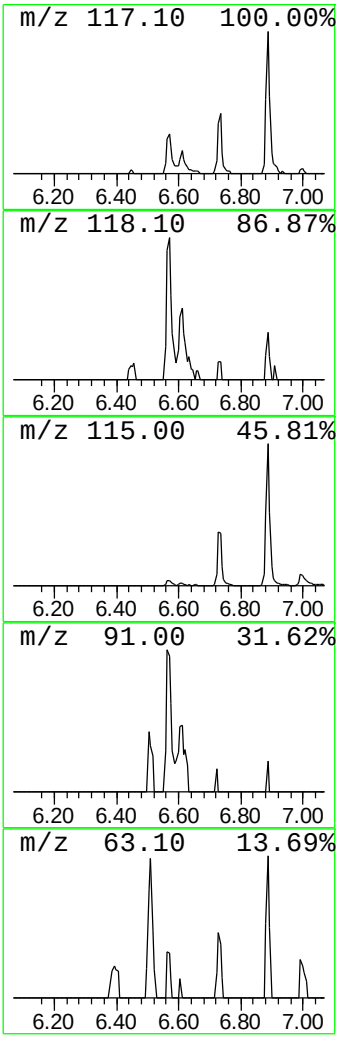
Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	2.85 ng	33457	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

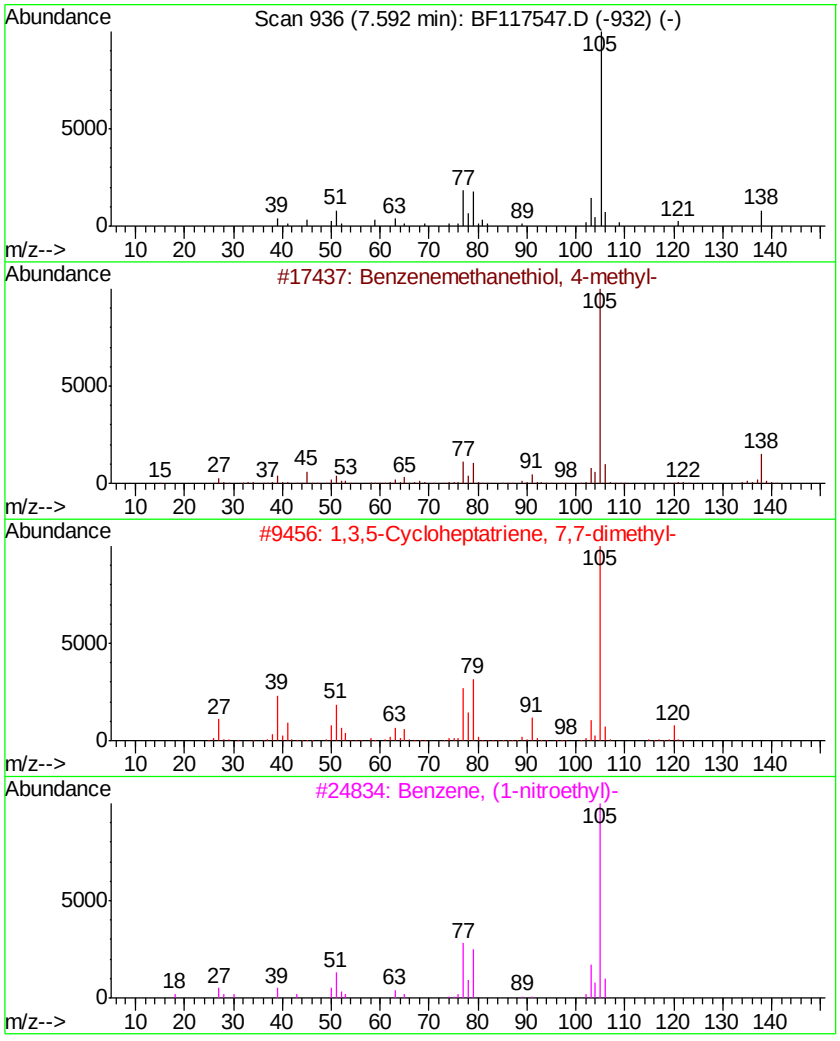
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

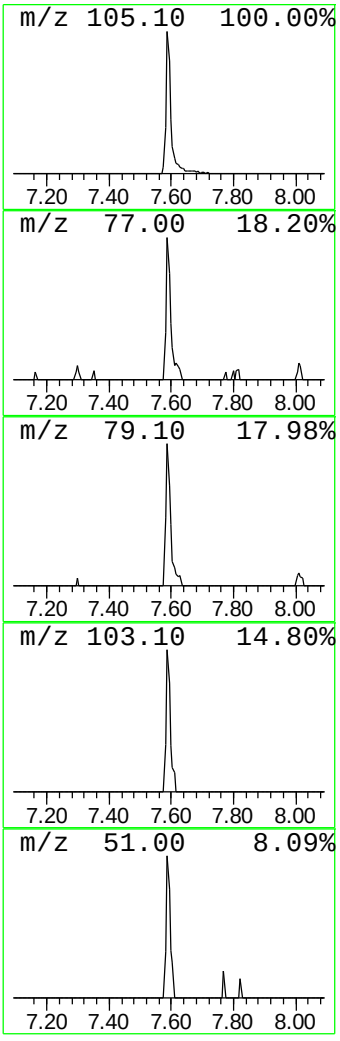
****

Peak Number 4 Benzenemethanethiol, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	5.05 ng	73044	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	83
2	1,3,5-Cycloheptatriene, 7,7-dime...	120	C9H12	007557-11-1	64
3	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	59
4	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	56
5	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

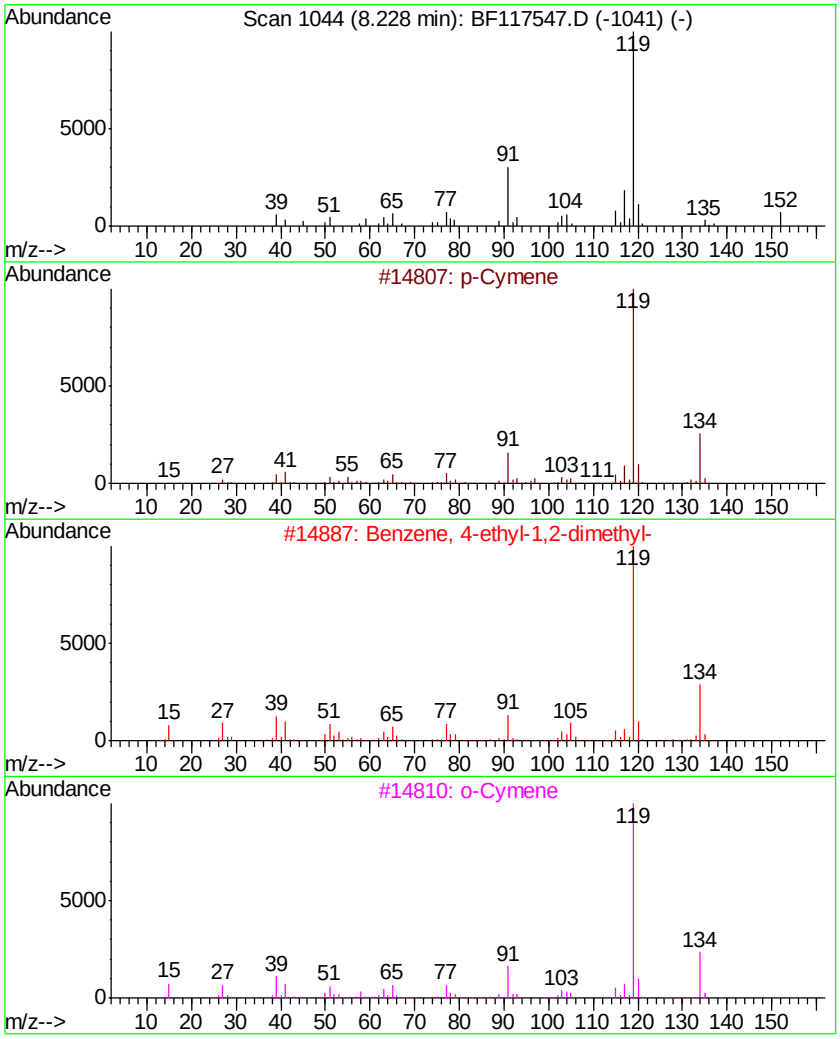
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

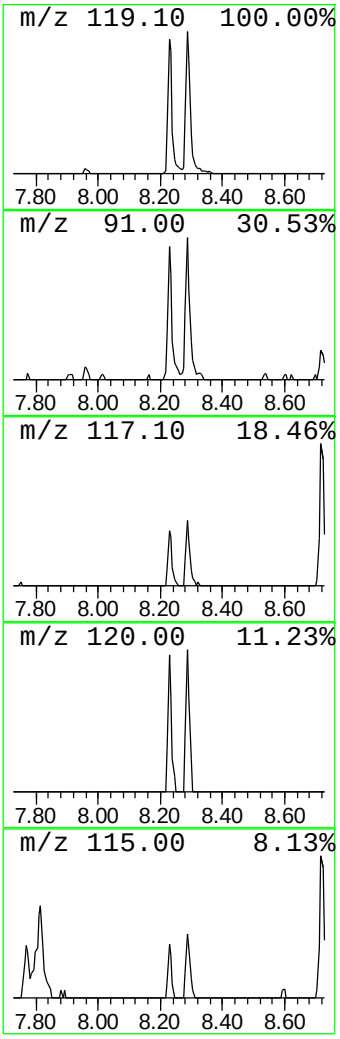
****

Peak Number 5 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	4.54 ng	65743	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	72
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
3	o-Cymene	134	C10H14	000527-84-4	72
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

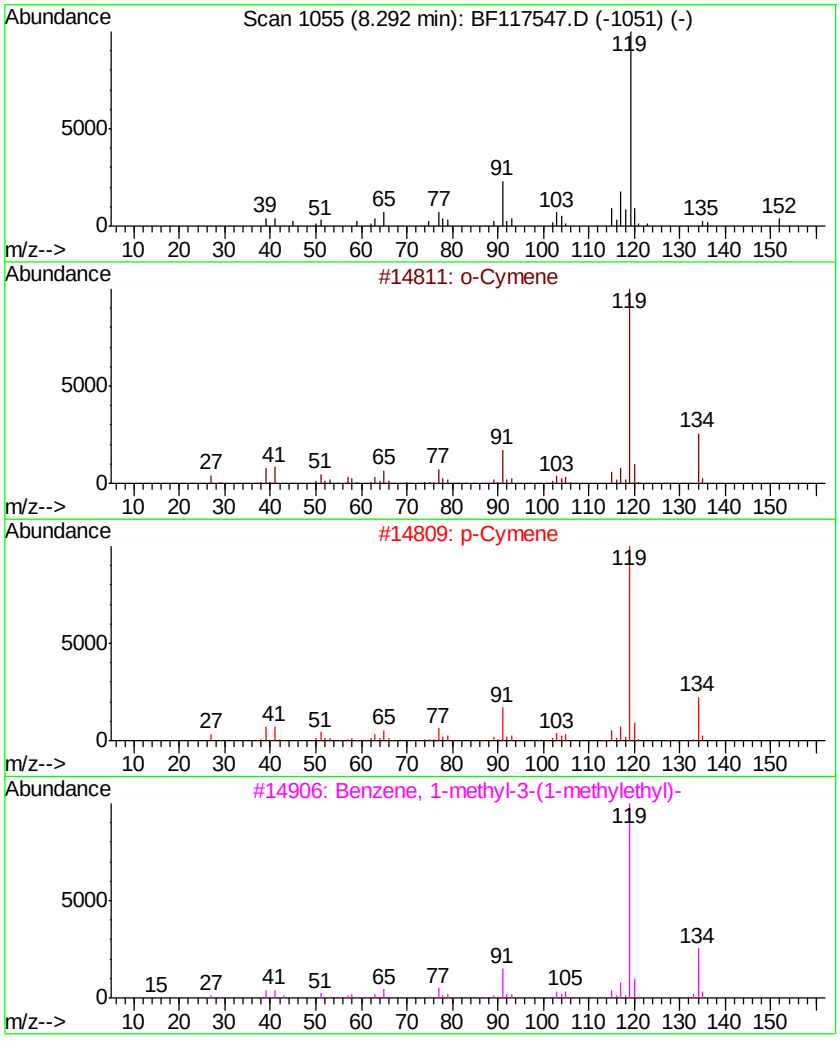
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

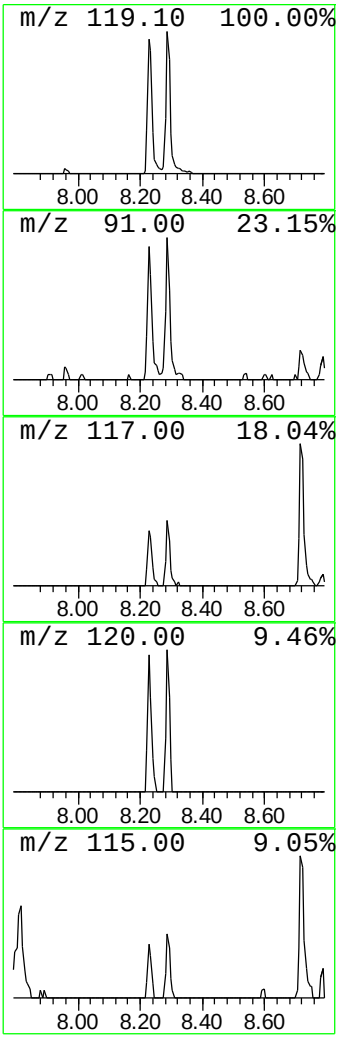
****

Peak Number 6 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	5.10 ng	73773	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	72
2	p-Cymene	134	C10H14	000099-87-6	72
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	59
4	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	59
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
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Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

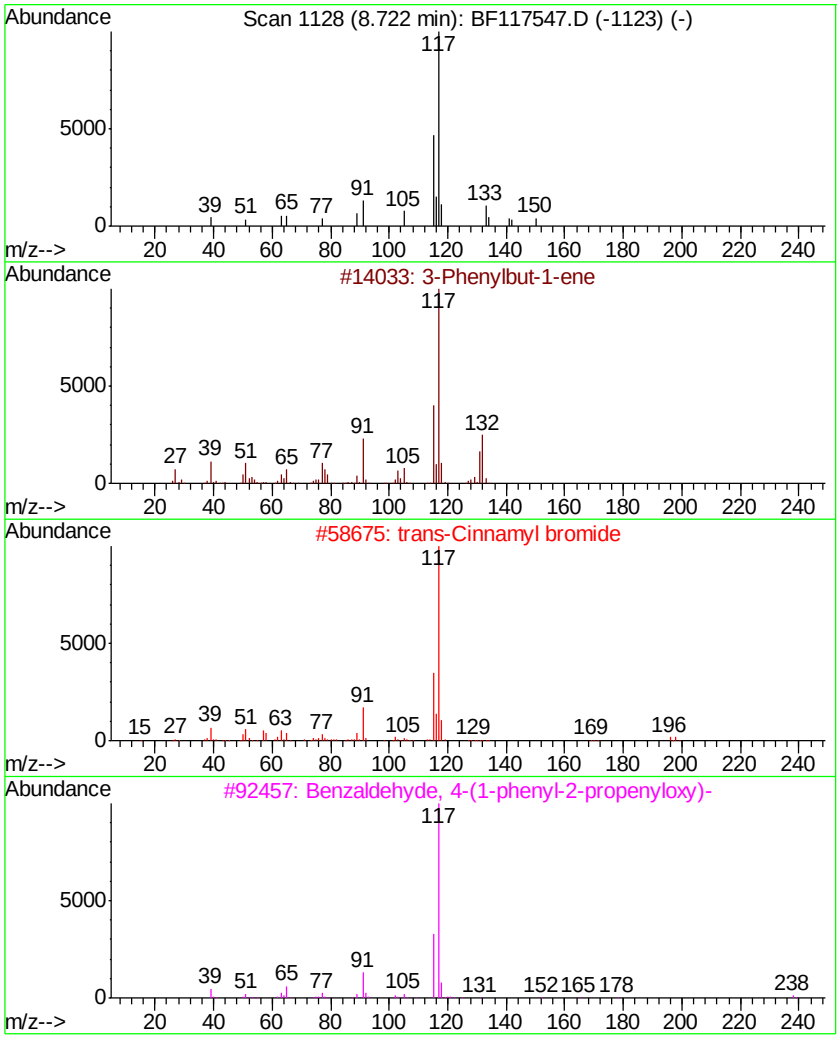
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

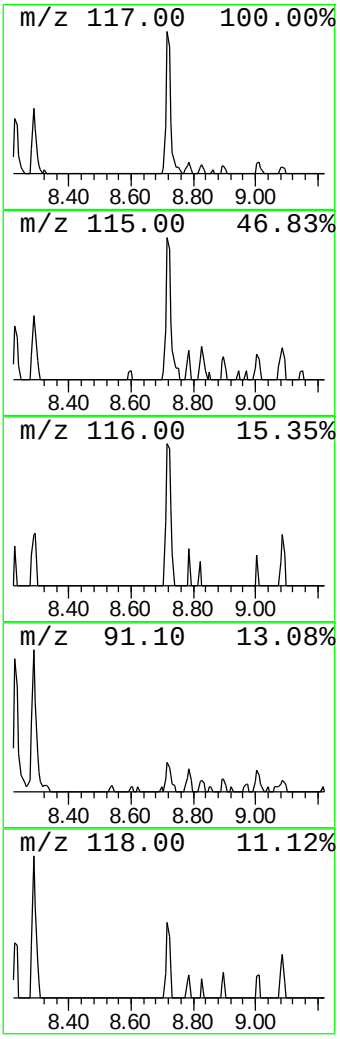
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	2.45 ng	35482	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	72
3	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	72
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	72
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

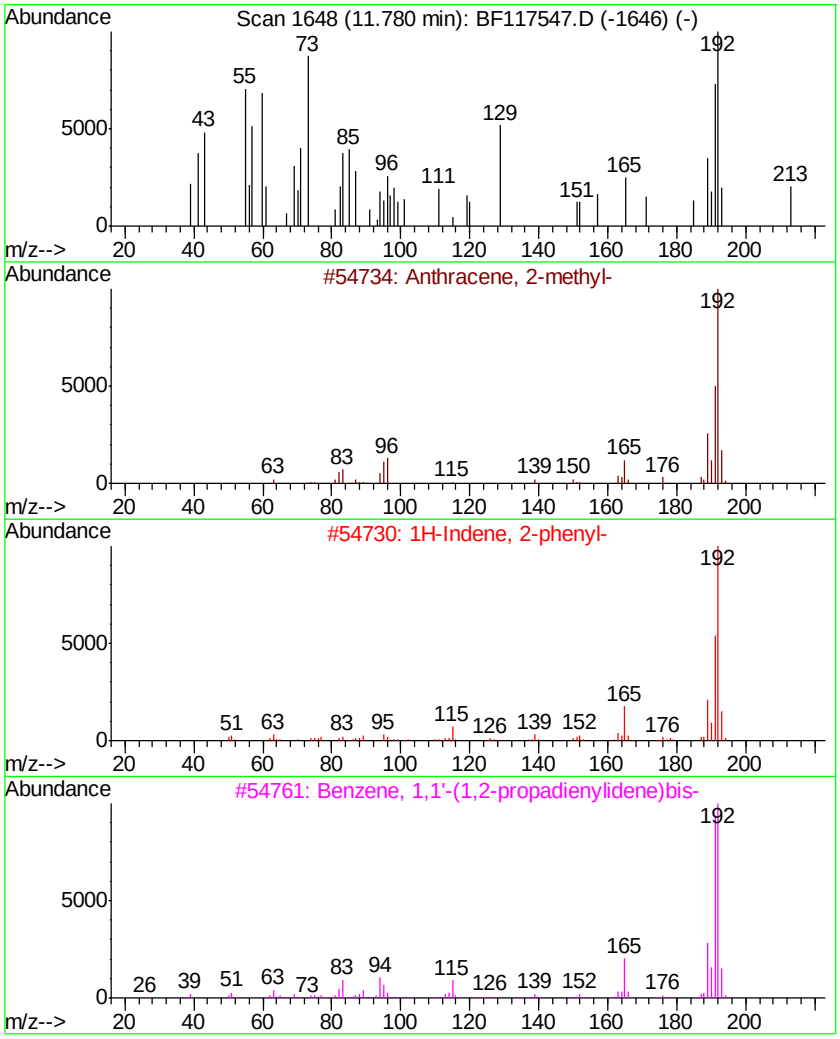
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

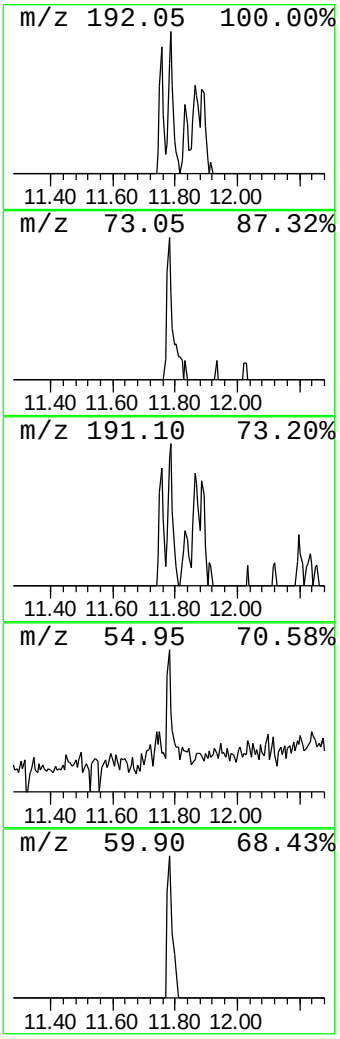
****

Peak Number 8 unknown11.78 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.02 ng	38882	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	43
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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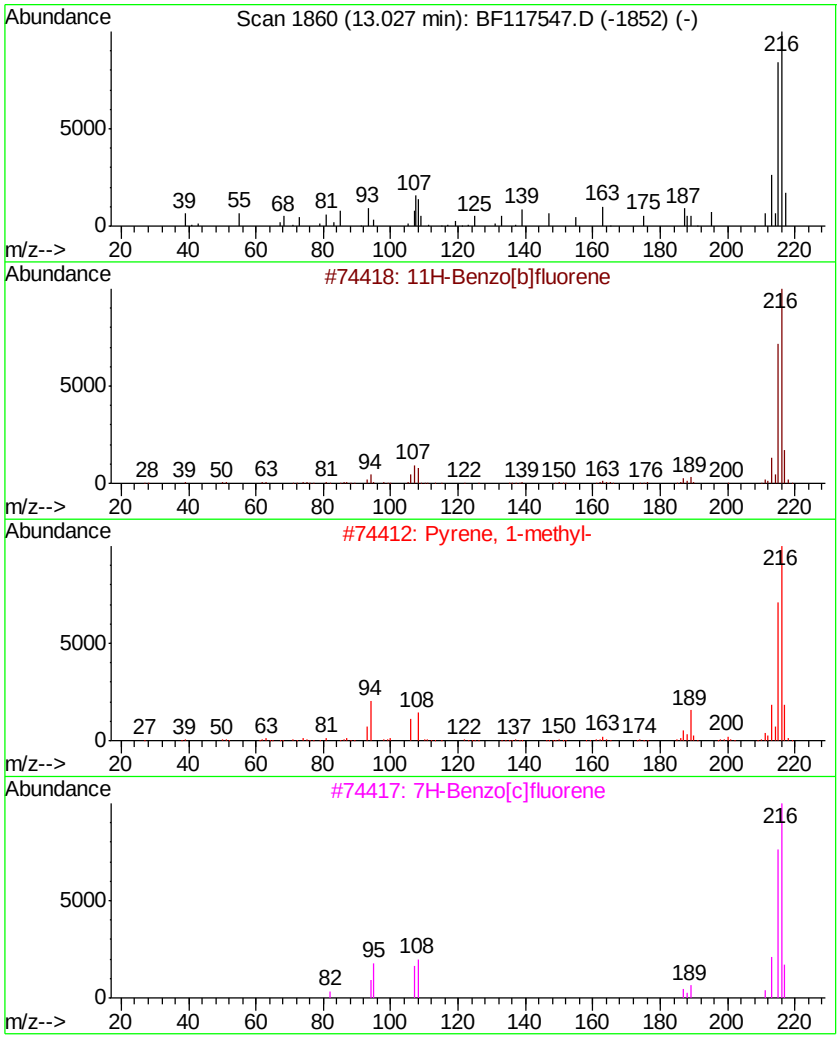
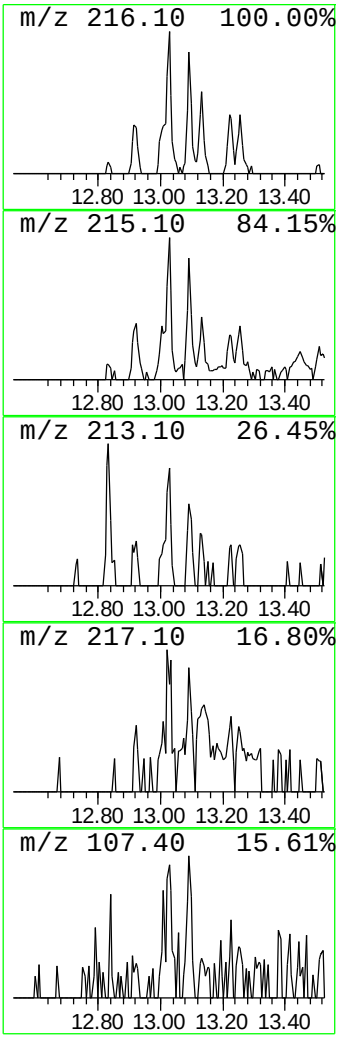
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.75 ng	47913	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

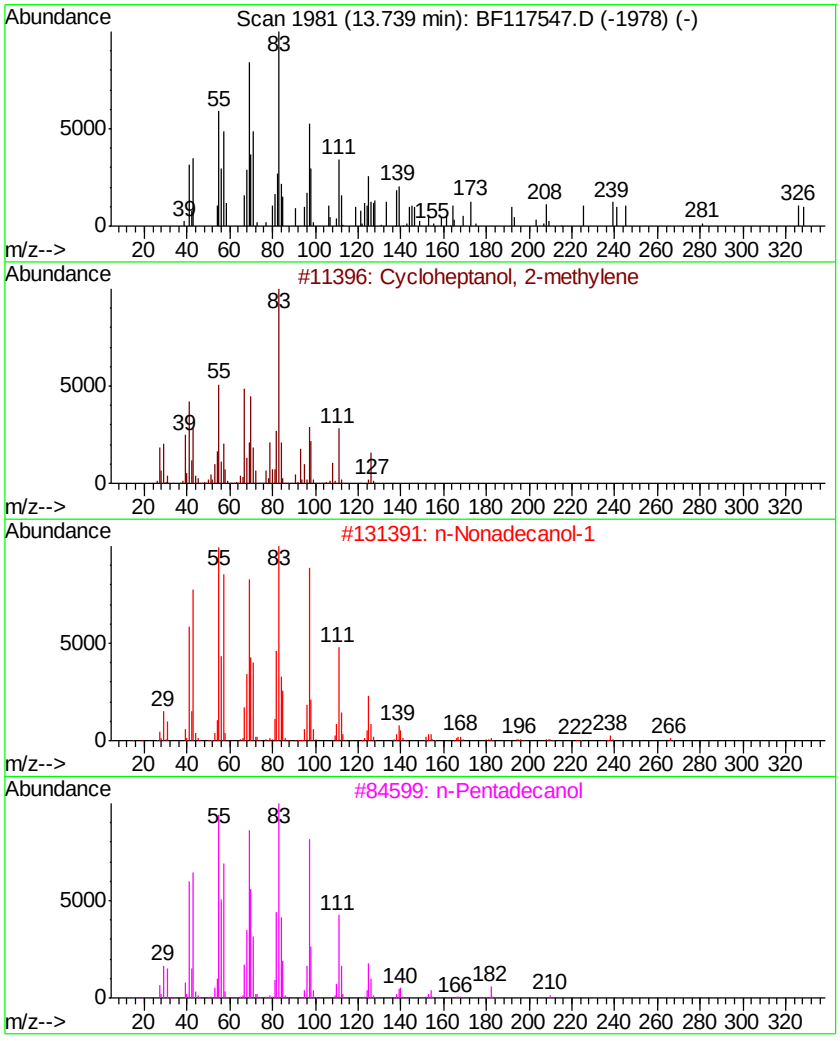
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

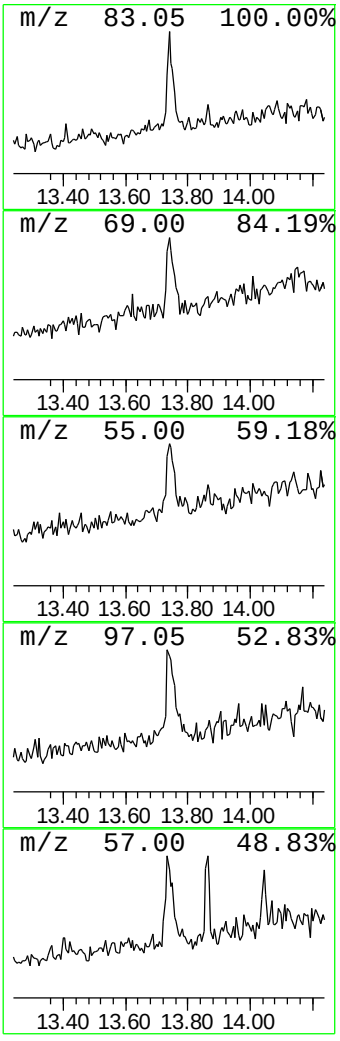
****

Peak Number 10 unknown13.74 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.27 ng	39536	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	38
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	30
3	n-Pentadecanol	228	C15H32O	000629-76-5	25
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	25
5	1-Octadecanol	270	C18H38O	000112-92-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

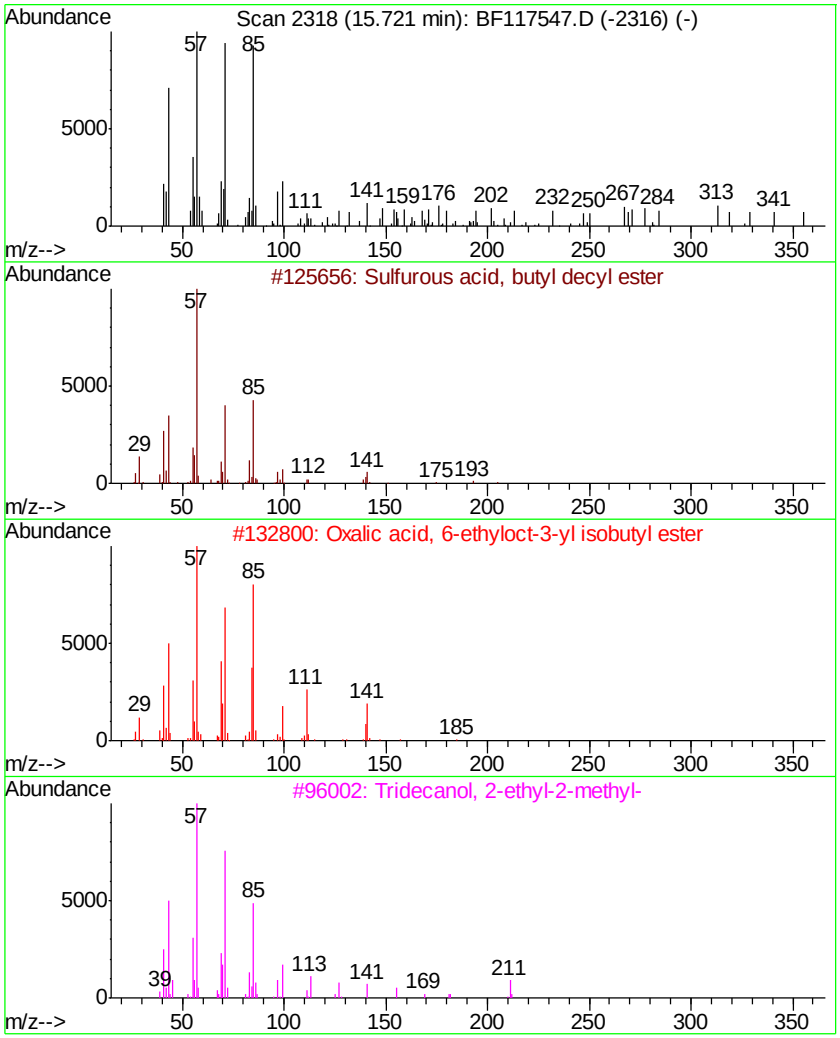
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

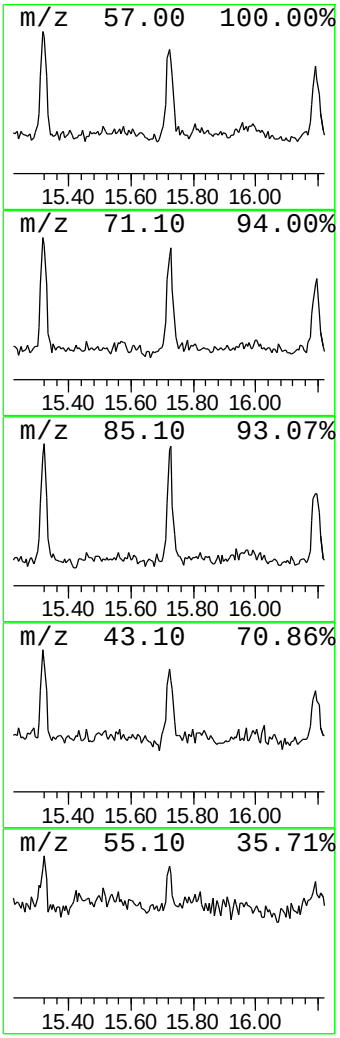
****

Peak Number 11 Sulfurous acid, butyl decyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	5.64 ng	56830	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	72
2	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	64
3	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	49
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	43
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.51	6.51	64.3	ng	754522	1	6.73	234731	20.0
Benzene, 1-etheny...	6.57	2.9	ng	33457	1	6.73	234731	20.0
Benzenemethanethi...	7.59	5.0	ng	73044	2	8.01	289524	20.0
p-Cymene	8.23	4.5	ng	65743	2	8.01	289524	20.0
o-Cymene	8.29	5.1	ng	73773	2	8.01	289524	20.0
3-Phenylbut-1-ene	8.72	2.5	ng	35482	2	8.01	289524	20.0
unknown11.78	11.78	3.0	ng	38882	4	11.25	257441	20.0
11H-Benzo[b]fluorene	13.03	2.8	ng	47913	5	13.90	347886	20.0
unknown13.74	13.74	2.3	ng	39536	5	13.90	347886	20.0
Sulfurous acid, b...	15.72	5.6	ng	56830	6	15.33	201428	20.0