LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

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-BF083019.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	5.457	569	573	582	rBV	1657209	1538069	84.52%	8.415%
2	5.681	608	611	621	rBV	40107	47438	2.61%	0.260%
3	6.475	741	746	755	rBV	1935021	1735159	95.35%	9.493%
4	6.616	766	770	773	rBV	2018959	1713129	94.14%	9.373%
5	6.681	778	781	786	rVV	77159	82442	4.53%	0.451%
6	6.722	786	788	793	rVB	44015	37166	2.04%	0.203%
7	6.845	805	809	813	rBV	597833	447281	24.58%	2.447%
8	7.004	832	836	839	rBV	1456898	1199545	65.92%	6.563%
9	7.110	851	854	858	rBV	46396	47047	2.59%	0.257%
10	7.404	899	904	907	rBV	1177489	1018545	55.97%	5.573%
11	7.457	911	913	917	rBV	19634	23956	1.32%	0.131%
12	7.698	948	954	962	rBV	132853	150731	8.28%	0.825%
13	7.881	982	985	988	rBV	21886	21214	1.17%	0.116%
14	7.928	991	993	1000	rVB2	37850	38616	2.12%	0.211%
15	8.128	1023	1027	1030	rBV	822584	635151	34.90%	3.475%
16	8.345	1060	1064	1070	rBV	193577	174399	9.58%	0.954%
17	8.404	1070	1074	1078	rBV	183590	168735	9.27%	0.923%
18	8.834	1143	1147	1153	rVB2	62095	63253	3.48%	0.346%
19	8.898	1155	1158	1161	rVB	57549	42314	2.33%	0.232%
20	9.010	1174	1177	1179	rBV	29622	25900	1.42%	0.142%
21	9.122	1193	1196	1200	rBV	56438	45335	2.49%	0.248%
22	9.198	1206	1209	1213	rBV	1946889	1756989	96.55%	9.613%
23	9.592	1272	1276	1281	rBV	576130	452600	24.87%	2.476%
24	9.881	1321	1325	1328	rBV	1021708	804246	44.20%	4.400%
25	10.663	1454	1458	1464	rBV	1224769	1046309	57.50%	5.724%
26	11.363	1573	1577	1580	rBV	1010761	887183	48.75%	4.854%
27	11.427	1584	1588	1592	rVB3	34090	38781	2.13%	0.212%
28	11.886	1663	1666	1673	rBV3	68963	68094	3.74%	0.373%
29	11.969	1677	1680	1687	rVB6	19771	33728	1.85%	0.185%
30	12.410	1749	1755	1757	rBV7	20920	32694	1.80%	0.179%
31	12.451	1759	1762	1764	rBV3	21295	21848	1.20%	0.120%
32	12.569	1779	1782	1785	rBV	94718	80868	4.44%	0.442%
33	12.669	1796	1799	1802	rVB4	20318	24498	1.35%	0.134%
34	12.798	1818	1821	1823	rVB	96998	77937	4.28%	0.426%

LSC Area Percent Report

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Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.939	1841	1845	1849	rBV	2088446	1819758	100.00%	9.956%
36	13.151	1878	1881	1883	rBV3	25546	28454	1.56%	0.156%
37	13.516	1941	1943	1945	rVB	37081	23314	1.28%	0.128%
38	13.627	1960	1962	1967	rVB5	38622	46732	2.57%	0.256%
39	13.833	1994	1997	2002	rBV	298825	346986	19.07%	1.898%
40	13.992	2019	2024	2027	rBV	710866	718931	39.51%	3.933%
41	14.163	2050	2053	2056	rBV	67022	82572	4.54%	0.452%
42	14.463	2102	2104	2109	rBV3	70146	82669	4.54%	0.452%
43	15.445	2267	2271	2275	rVB	476783	547412	30.08%	2.995%

Sum of corrected areas: 18278028

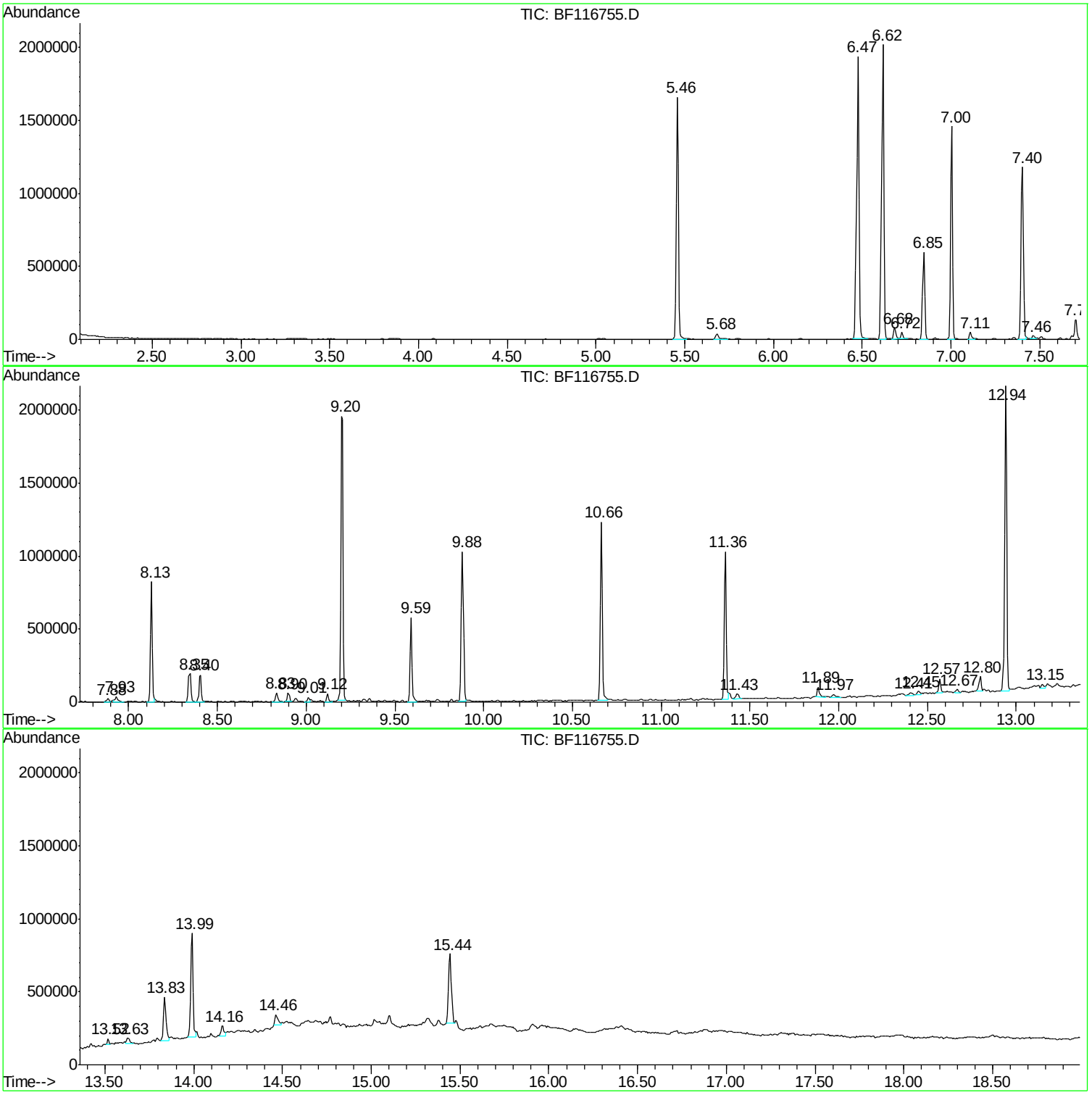
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

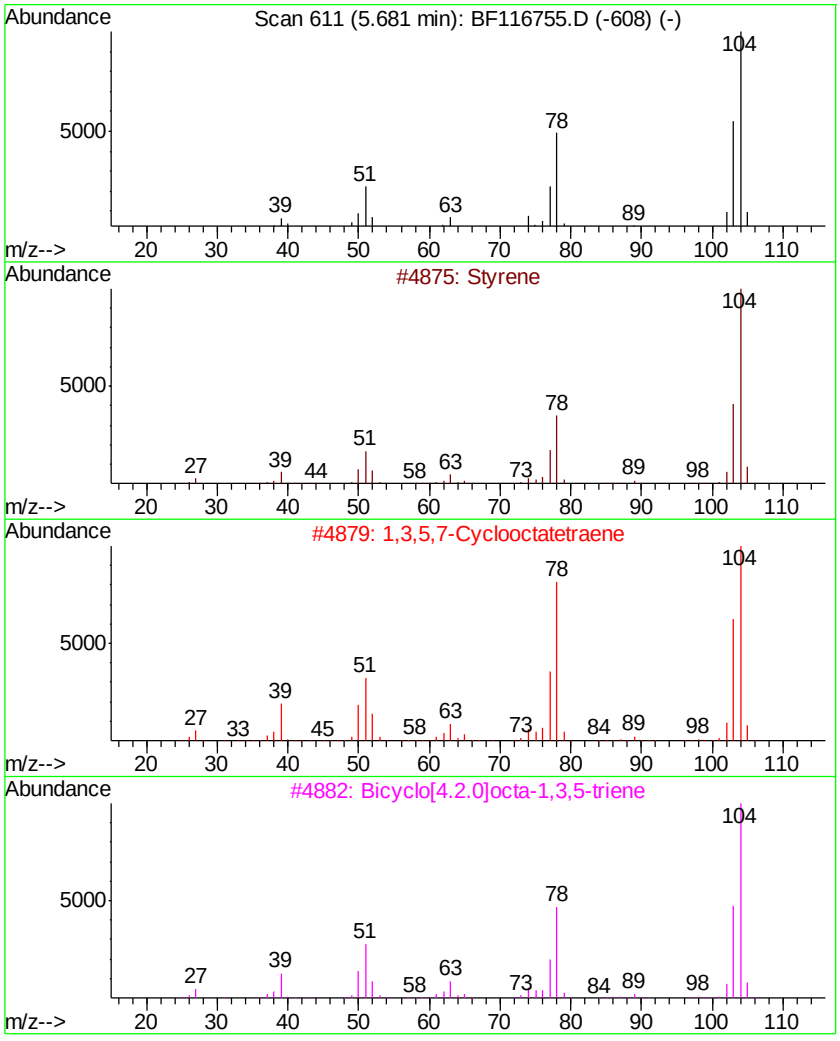
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

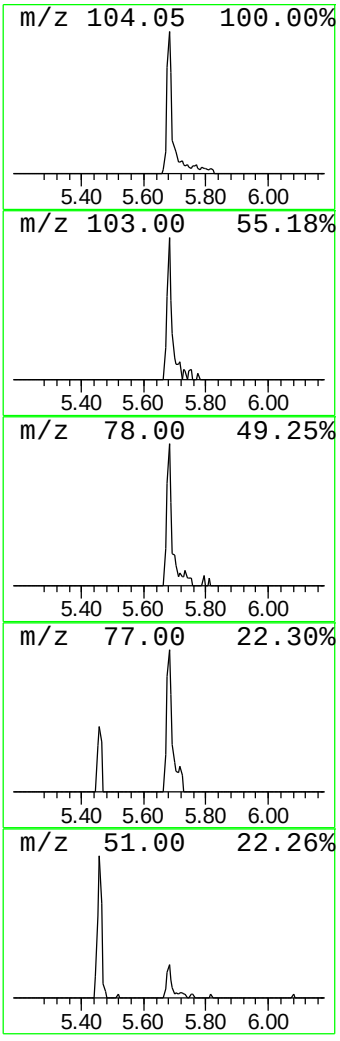
****

Peak Number 1 Styrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	2.12 ng	47438	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	94
2	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	91
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	91
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	53





Library Search Compound Report

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Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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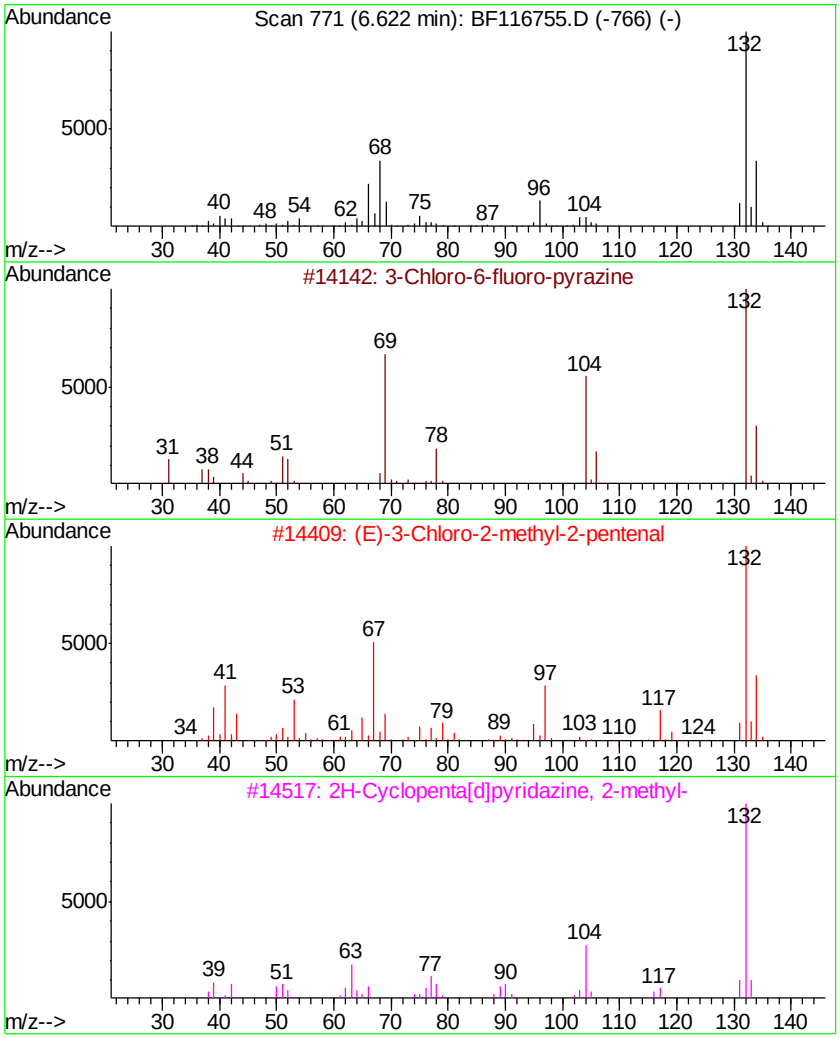
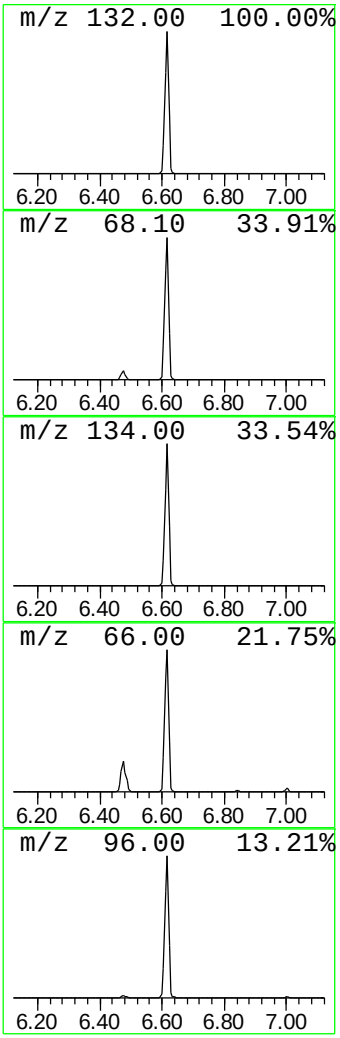
Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	76.60 ng	1713130	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

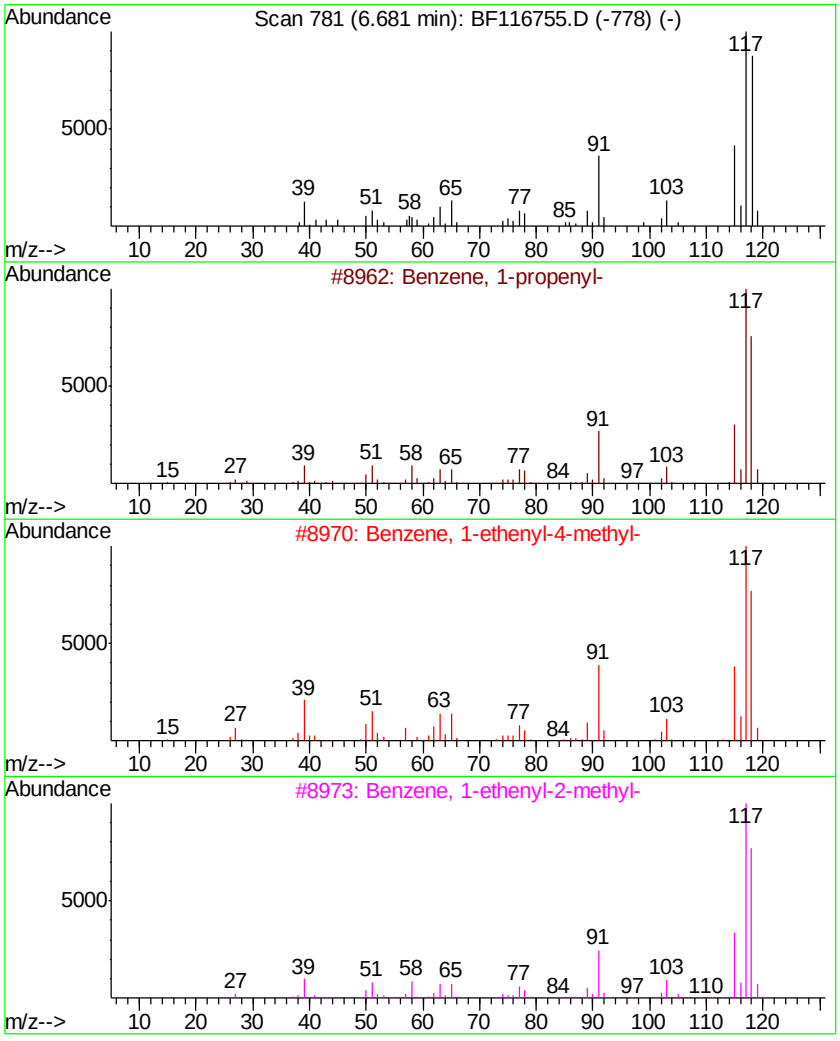
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

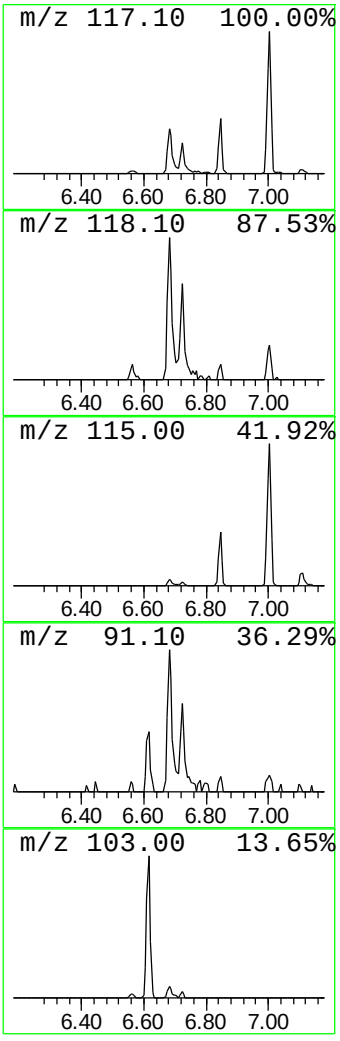
****

Peak Number 3 Benzene, 1-propenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	3.69 ng	82442	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
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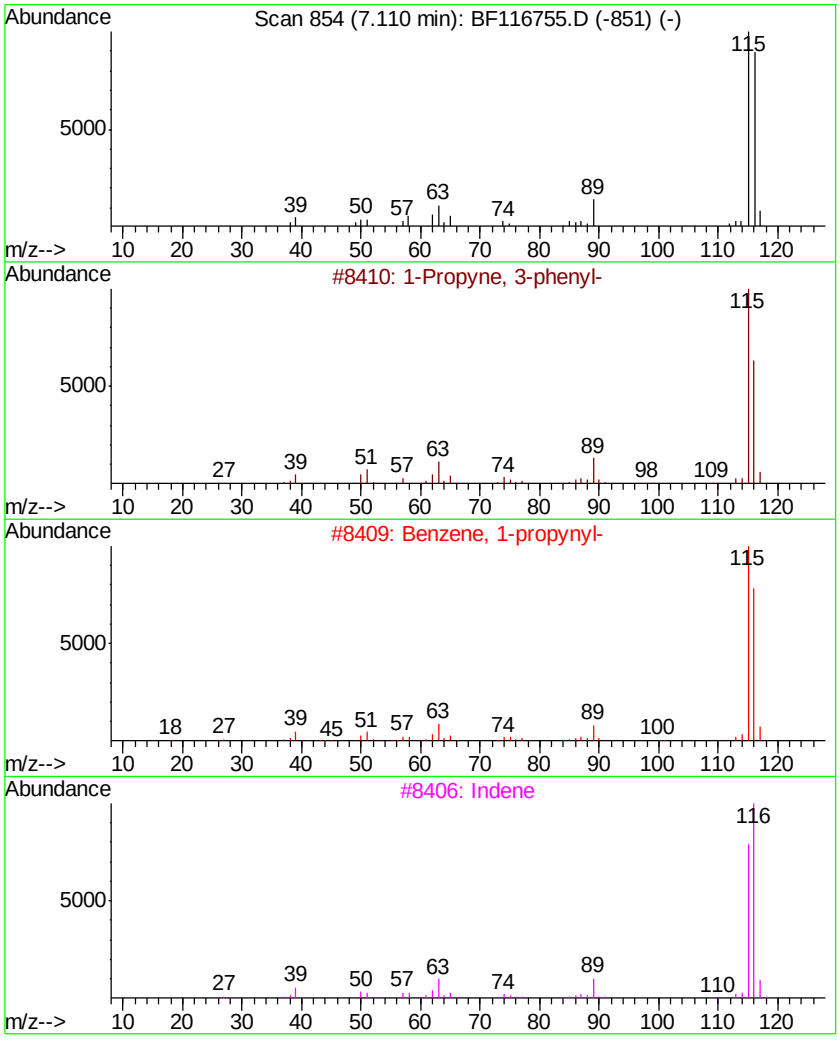
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

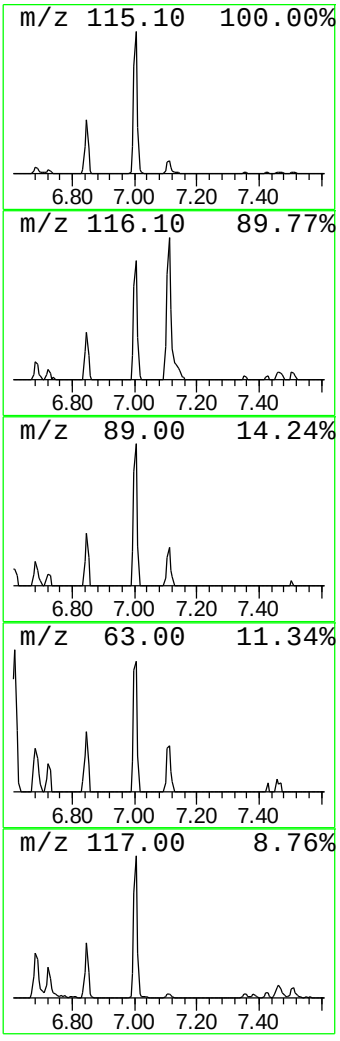
****

Peak Number 5 1-Propyne, 3-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	2.10 ng	47047	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Indene	116	C9H8	000095-13-6	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Library Search Compound Report

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Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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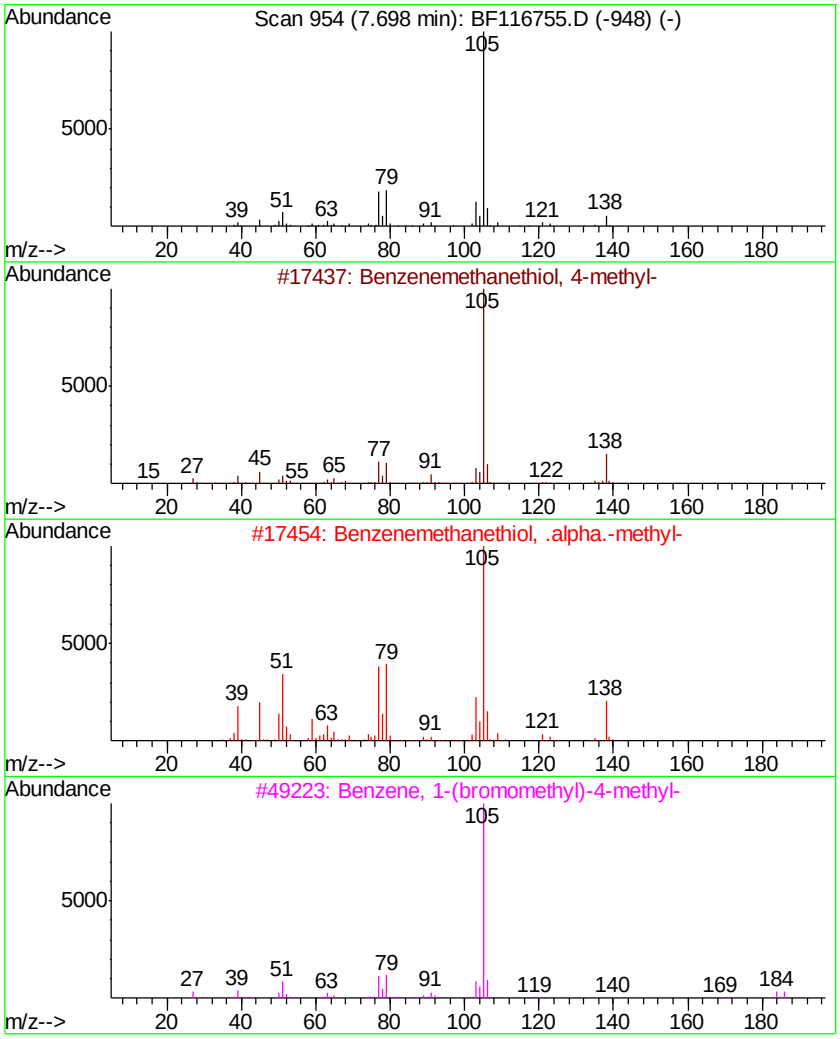
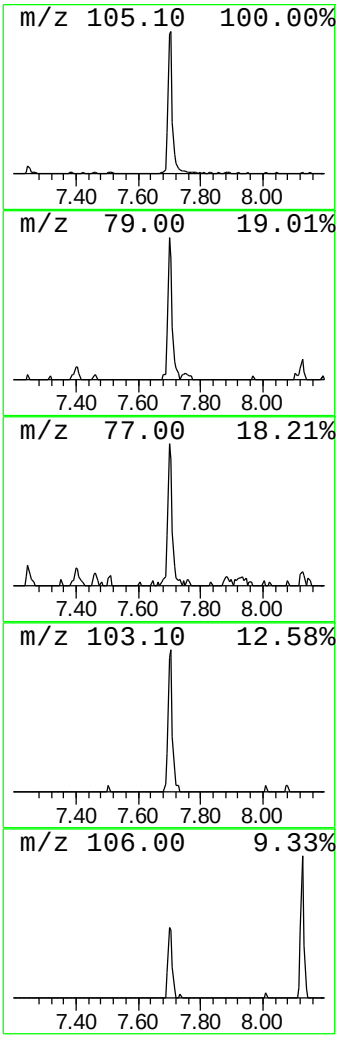
Peak Number 6 Benzenemethanethiol, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	4.75 ng	150731	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	78
2	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	72
3	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	64
4	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	64
5	3-Methylbenzyl mercaptan	138	C8H10S	025697-56-7	58





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Data File : BF116755.D
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Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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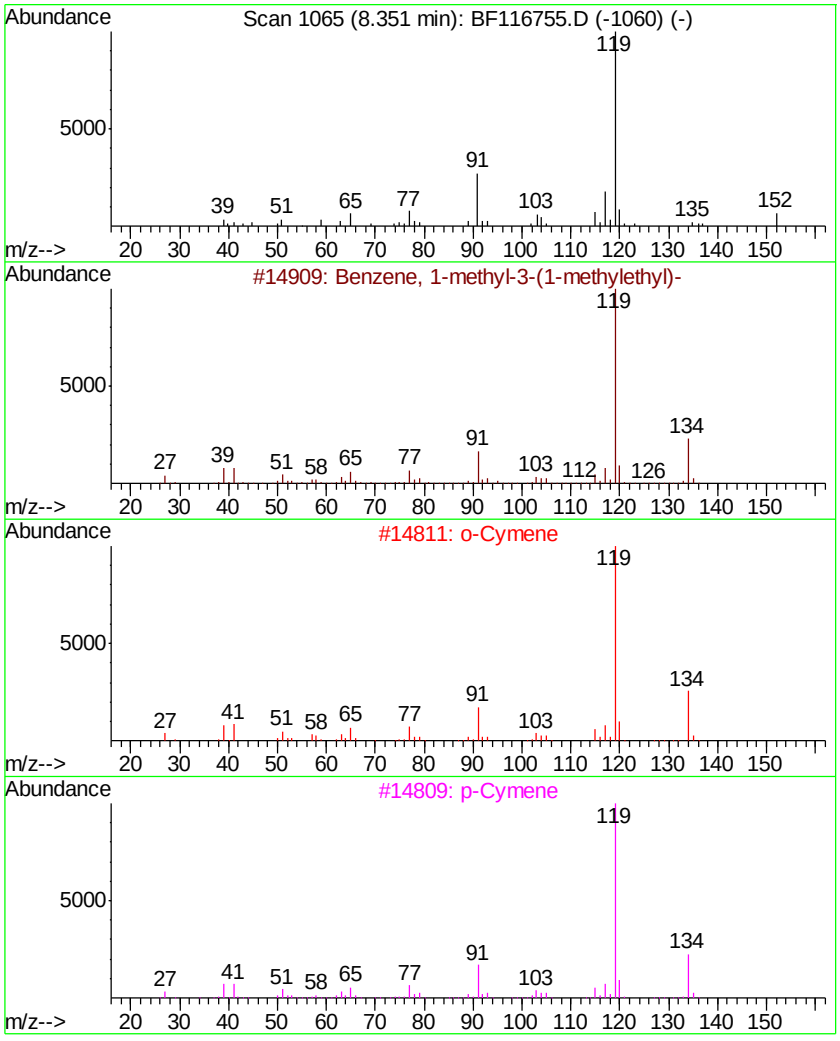
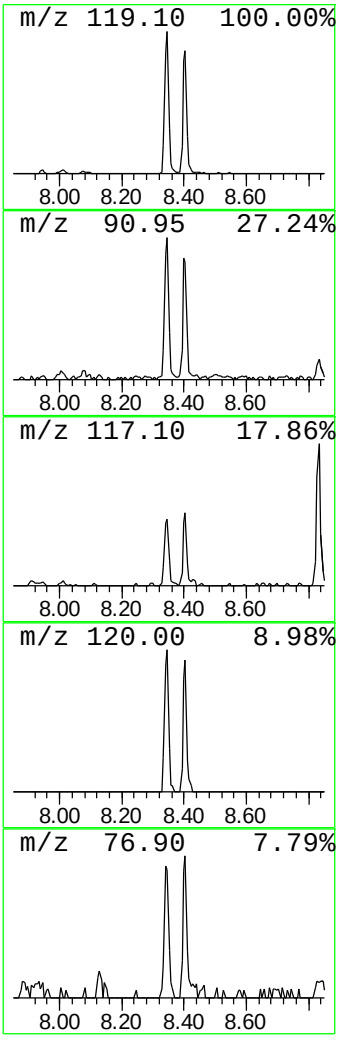
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	5.49 ng	174399	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	p-Cymene	134	C10H14	000099-87-6	90
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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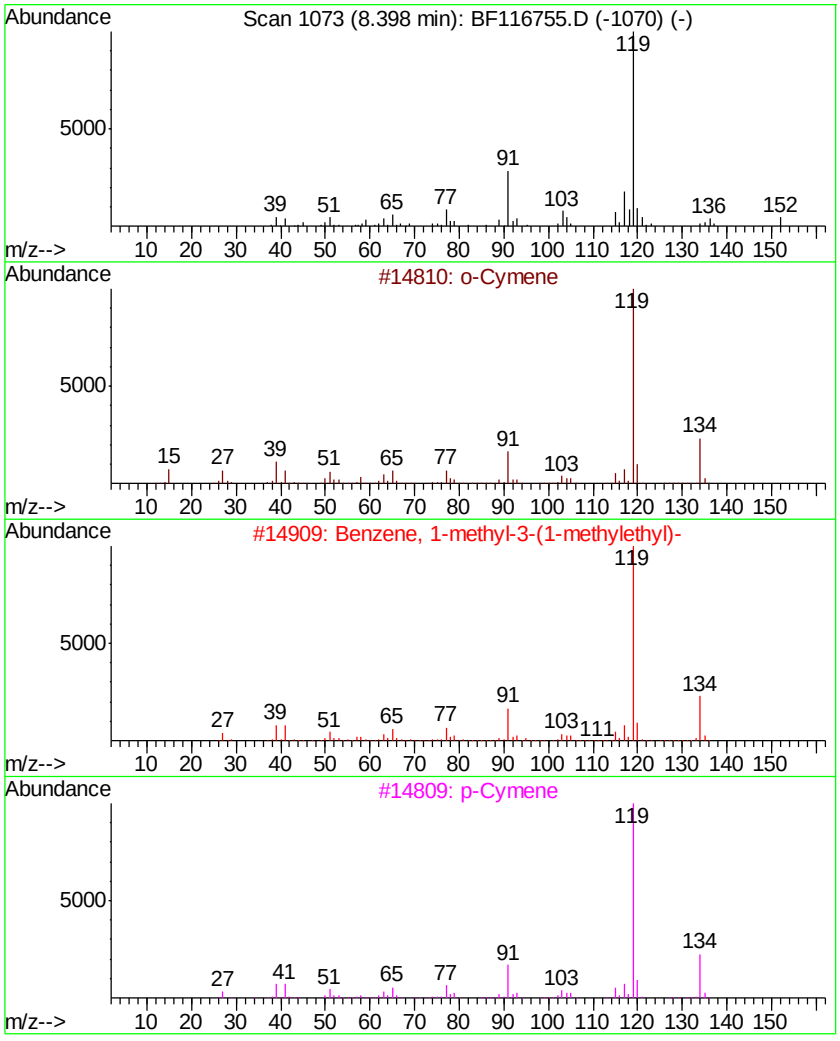
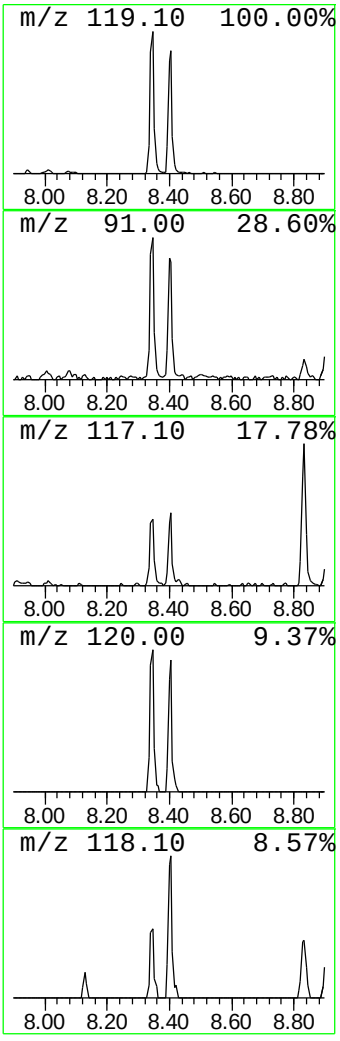
Peak Number 8 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	5.31 ng	168735	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	80
3	p-Cymene	134	C10H14	000099-87-6	74
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	72
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	72





Library Search Compound Report

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Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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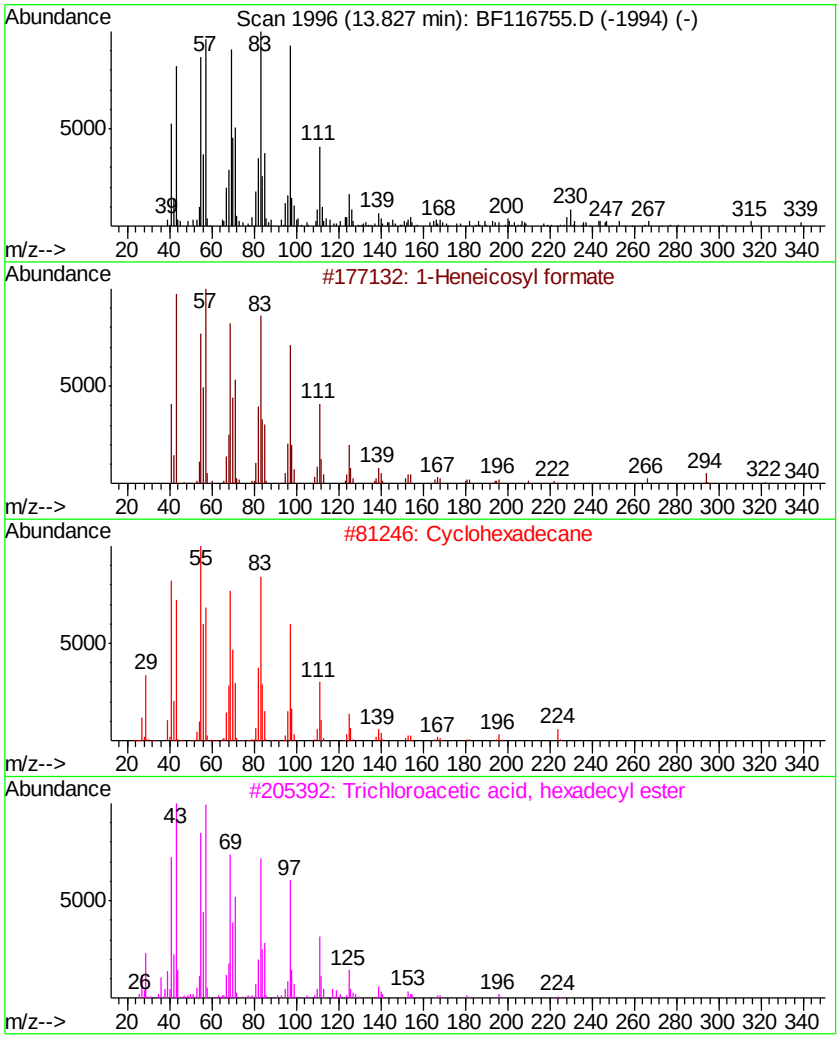
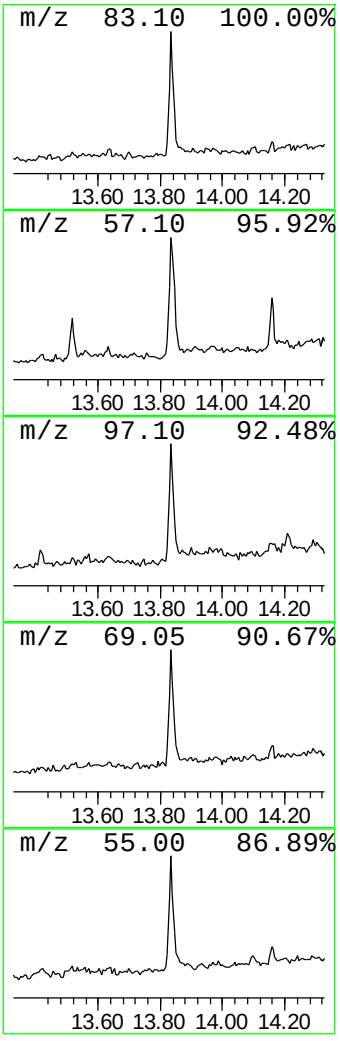
Peak Number 9 1-Heneicosyl formate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	9.65 ng	346986	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
2	Cyclohexadecane	224	C16H32	000295-65-8	90
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	87
5	Isoheptadecanol	256	C17H36O	057289-07-3	83





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Data File : BF116755.D
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Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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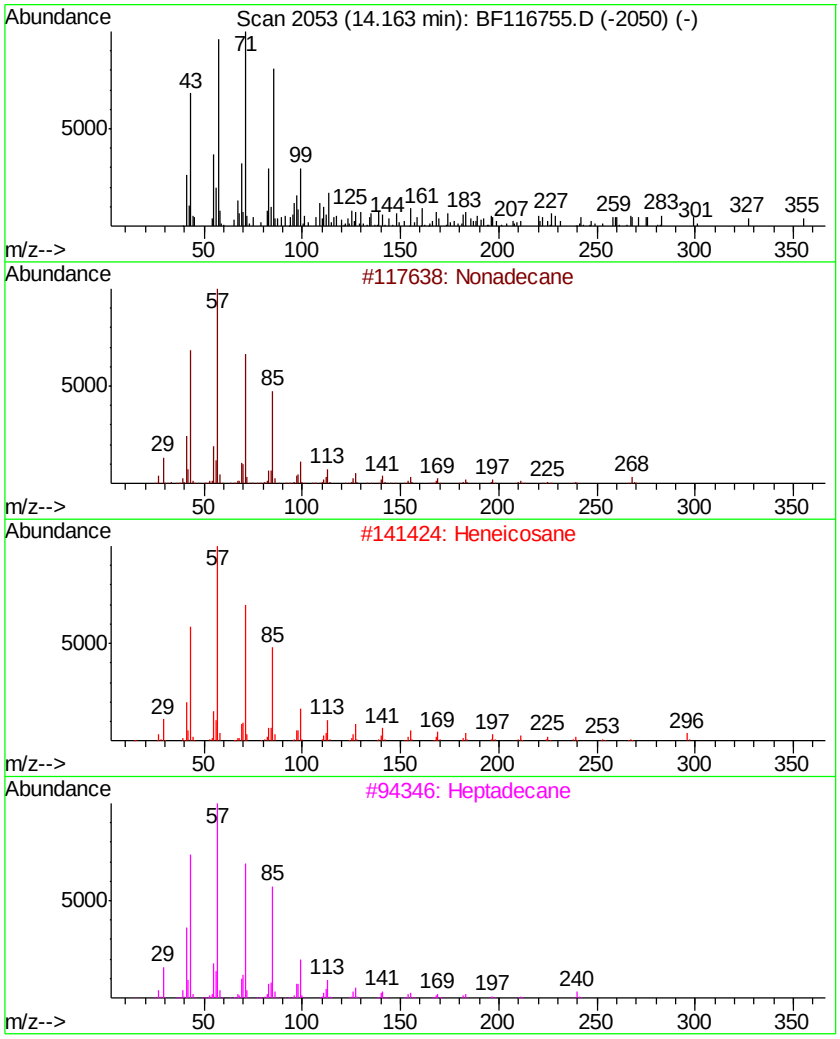
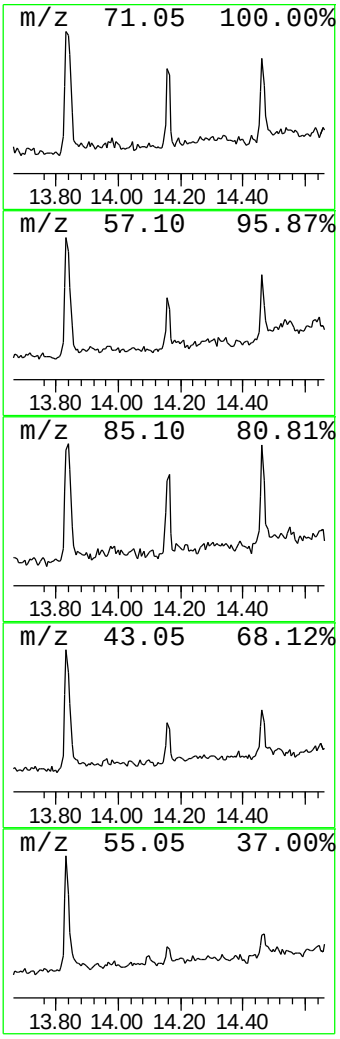
Peak Number 10 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	2.30 ng	82572	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heneicosane	296	C21H44	000629-94-7	72
3	Heptadecane	240	C17H36	000629-78-7	72
4	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	72
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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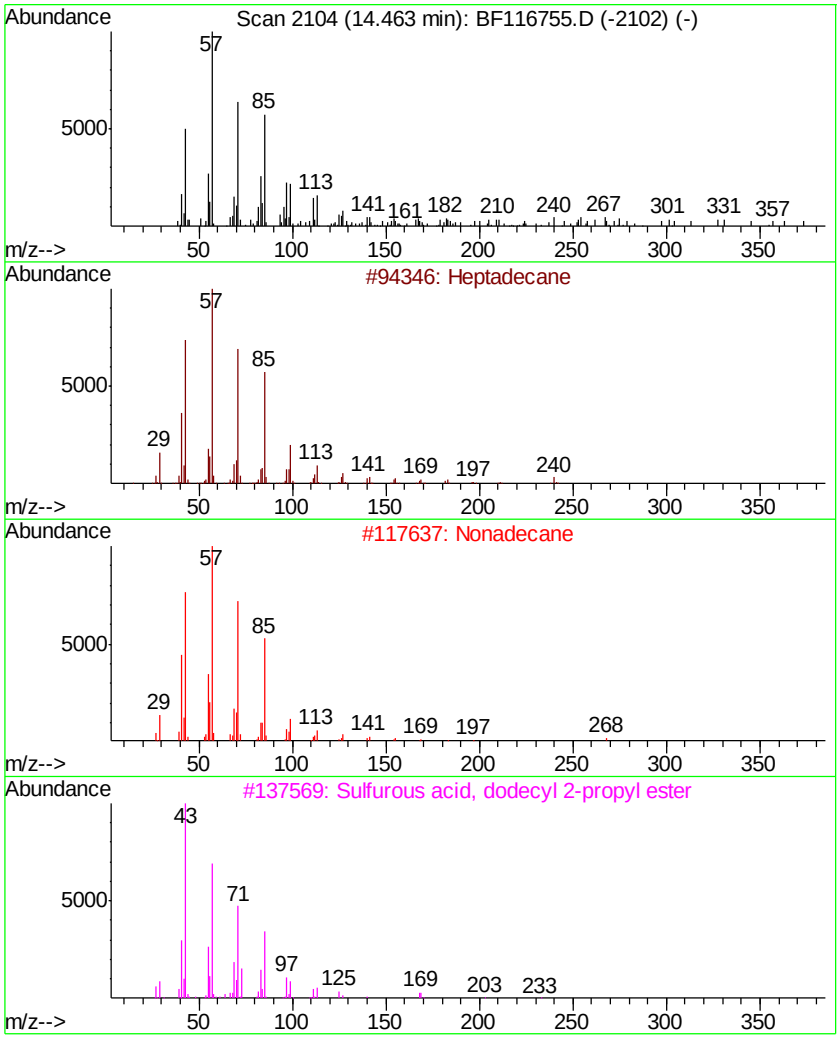
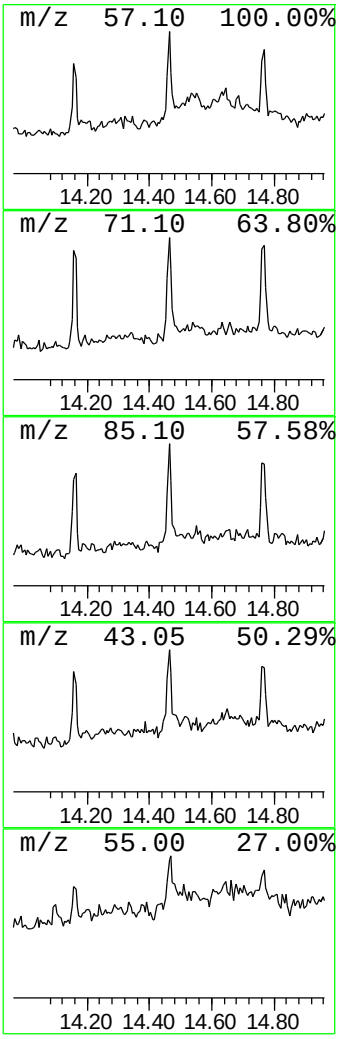
Peak Number 11 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.30 ng	82669	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	89
2	Nonadecane	268	C19H40	000629-92-5	83
3	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	72
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	68
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090119\
Data File : BF116755.D
Acq On : 1 Sep 2019 20:57
Operator : HP/JU
Sample : K4546-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T3-S-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
Styrene	5.68	2.1	ng	47438	1	6.85	447281	20.0
unknown6.62	6.62	76.6	ng	1713130	1	6.85	447281	20.0
Benzene, 1-propenyl-	6.68	3.7	ng	82442	1	6.85	447281	20.0
1-Propyne, 3-phenyl-	7.11	2.1	ng	47047	1	6.85	447281	20.0
Benzenemethanethi...	7.70	4.8	ng	150731	2	8.13	635151	20.0
Benzene, 1-methyl...	8.35	5.5	ng	174399	2	8.13	635151	20.0
o-Cymene	8.40	5.3	ng	168735	2	8.13	635151	20.0
1-Heneicosyl formate	13.83	9.7	ng	346986	5	13.99	718931	20.0
Nonadecane	14.16	2.3	ng	82572	5	13.99	718931	20.0
Heptadecane	14.46	2.3	ng	82669	5	13.99	718931	20.0