LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

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-BF073018.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	5.178	479	483	499	rBV	176315	294164	13.01%	1.378%
2	5.596	550	554	581	rBV	273131	1137749	50.30%	5.329%
3	6.601	721	725	743	rBV	384025	1327283	58.68%	6.217%
4	6.725	743	746	780	rVV	906769	2261808	100.00%	10.594%
5	6.960	782	786	807	rVV	222751	784815	34.70%	3.676%
6	7.101	807	810	844	rVV	866819	1649283	72.92%	7.725%
7	7.525	878	882	903	rBV	237547	902566	39.90%	4.228%
8	8.237	999	1003	1026	rBV	352213	787916	34.84%	3.691%
9	9.301	1181	1184	1214	rBV	1298752	2008335	88.79%	9.407%
10	9.701	1246	1252	1260	rVB	58717	96678	4.27%	0.453%
11	9.989	1297	1301	1319	rBV	608081	827083	36.57%	3.874%
12	10.548	1390	1396	1401	rBV3	11344	26164	1.16%	0.123%
13	10.789	1433	1437	1449	rBV	476132	872031	38.55%	4.085%
14	11.489	1552	1556	1558	rBV	404590	491628	21.74%	2.303%
15	11.513	1558	1560	1568	rVV	286710	490541	21.69%	2.298%
16	11.572	1568	1570	1586	rVB3	50576	132441	5.86%	0.620%
17	11.989	1638	1641	1644	rBV2	52370	72864	3.22%	0.341%
18	12.019	1644	1646	1653	rVV2	52868	100776	4.46%	0.472%
19	12.101	1657	1660	1663	rVV2	51898	80963	3.58%	0.379%
20	12.289	1686	1692	1697	rBV4	19898	35807	1.58%	0.168%
21	12.542	1731	1735	1738	rBV	40609	50248	2.22%	0.235%
22	12.636	1746	1751	1758	rVB6	25590	55543	2.46%	0.260%
23	12.707	1759	1763	1780	rBV	369495	572024	25.29%	2.679%
24	12.866	1786	1790	1796	rBV8	19691	41849	1.85%	0.196%
25	12.936	1796	1802	1808	rBV	359536	529364	23.40%	2.480%
26	13.066	1821	1824	1835	rBV	1274139	1698534	75.10%	7.956%
27	13.148	1835	1838	1845	rVV4	44358	94078	4.16%	0.441%
28	13.248	1851	1855	1856	rVV3	21200	26676	1.18%	0.125%
29	13.272	1856	1859	1864	rVB2	45749	61264	2.71%	0.287%
30	13.372	1872	1876	1884	rVB4	34736	68177	3.01%	0.319%
31	13.789	1943	1947	1953	rBV2	26806	59467	2.63%	0.279%
32	13.895	1962	1965	1966	rBV2	33653	34623	1.53%	0.162%
33	13.919	1966	1969	1971	rVV	46141	64108	2.83%	0.300%
34	13.948	1971	1974	1980	rVV4	94269	177366	7.84%	0.831%

LSC Area Percent Report

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Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.995	1980	1982	1988	rVB2	34478	57729	2.55%	0.270%
36	14.142	2001	2007	2010	rBV2	696980	1063611	47.02%	4.982%
37	14.530	2070	2073	2076	rBV3	35059	43184	1.91%	0.202%
38	14.566	2076	2079	2082	rVB2	52712	55148	2.44%	0.258%
39	14.883	2129	2133	2137	rBV2	57671	69588	3.08%	0.326%
40	15.042	2157	2160	2164	rVB6	42643	53386	2.36%	0.250%
41	15.230	2186	2192	2206	rBV3	195943	573876	25.37%	2.688%
42	15.536	2241	2244	2252	rVB	85978	150380	6.65%	0.704%
43	15.613	2252	2257	2263	rBV2	120468	265536	11.74%	1.244%
44	15.671	2263	2267	2282	rVB	392646	779254	34.45%	3.650%
45	16.089	2334	2338	2345	rVB	98952	158041	6.99%	0.740%
46	17.248	2529	2535	2549	rVB7	55163	165630	7.32%	0.776%

Sum of corrected areas: 21349579

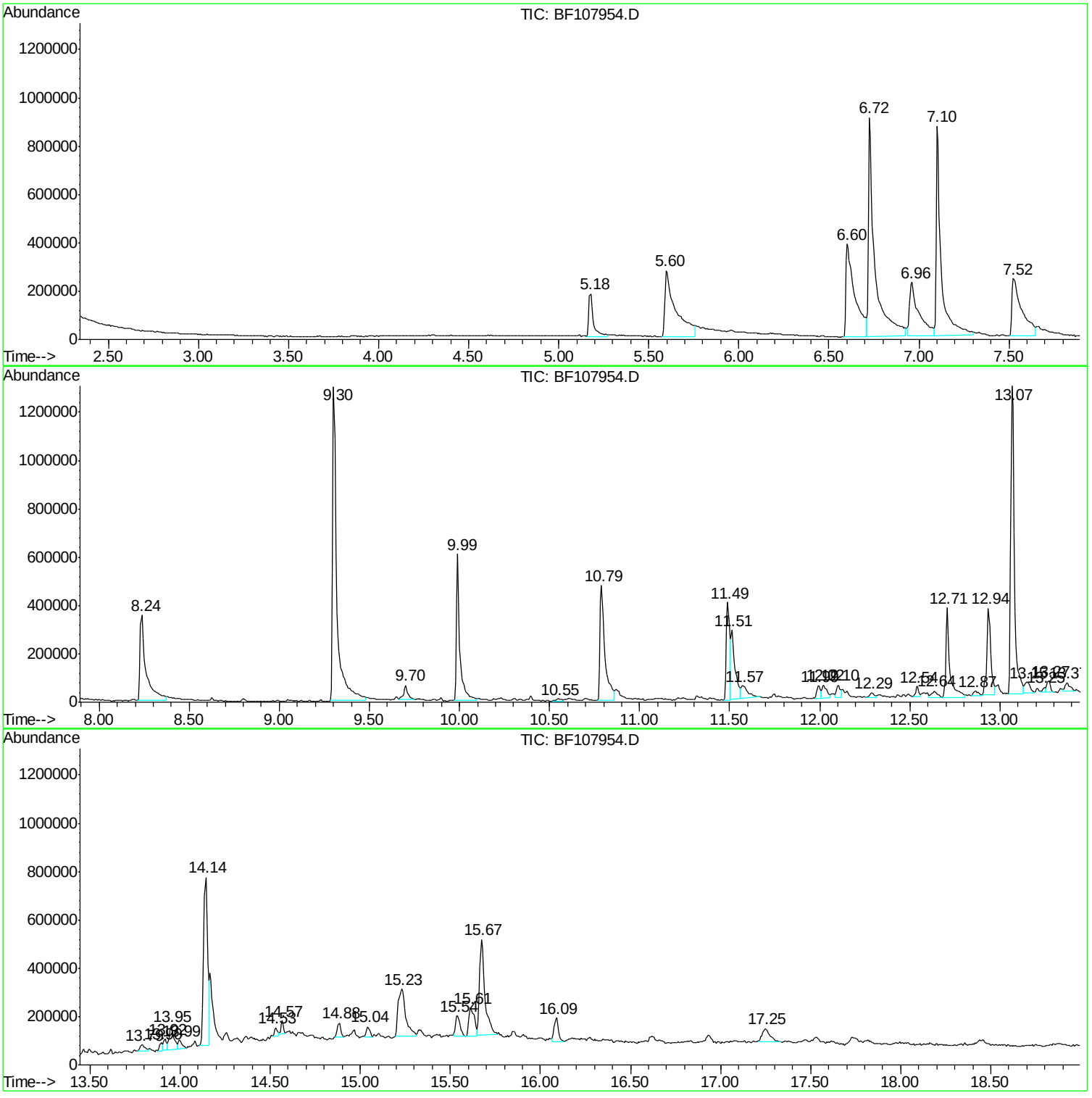
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

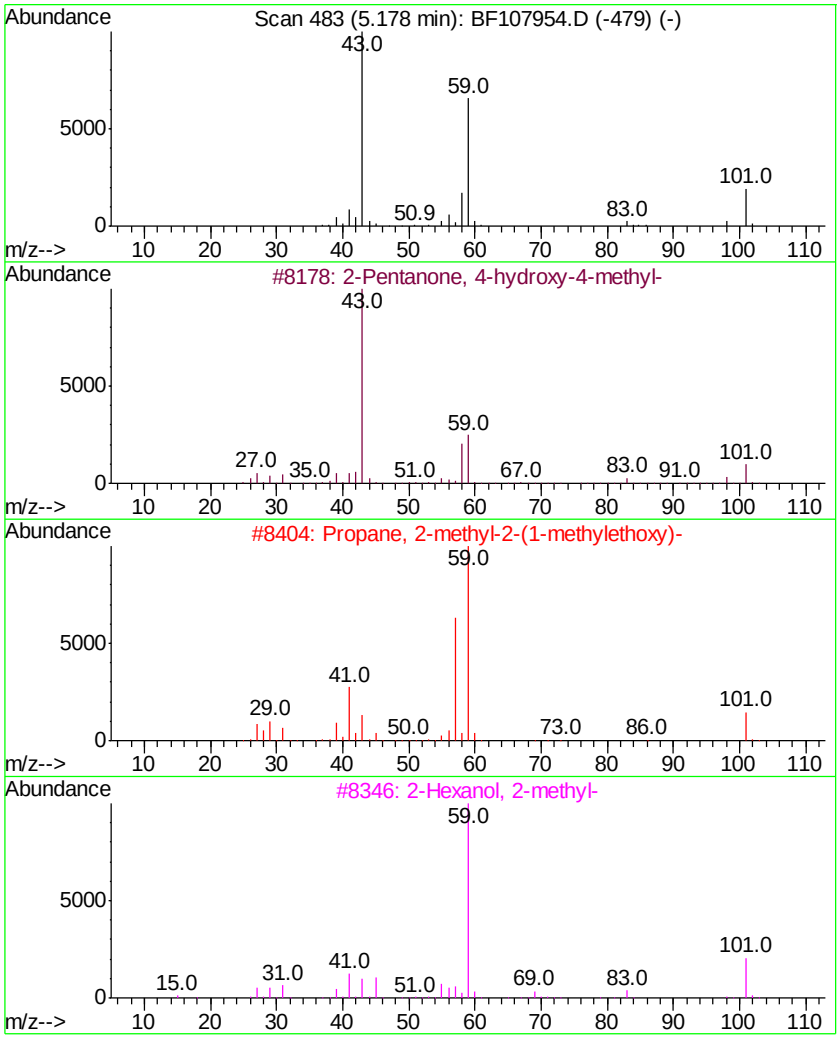
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

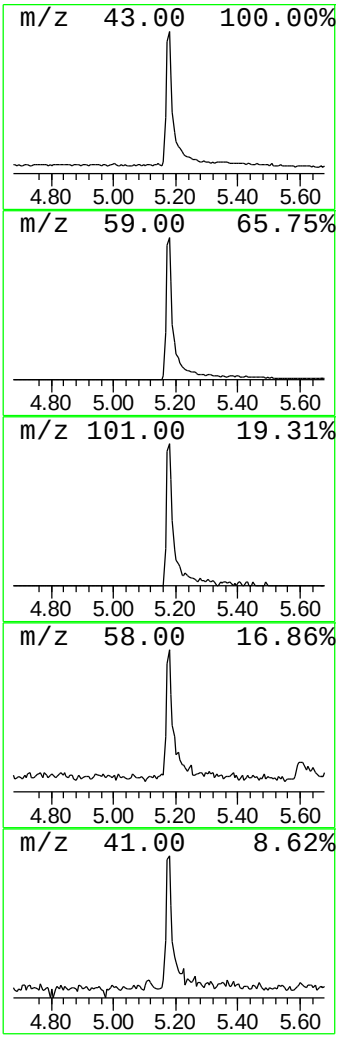
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	7.50 ng	294164	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	45
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

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Data File : BF107954.D
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Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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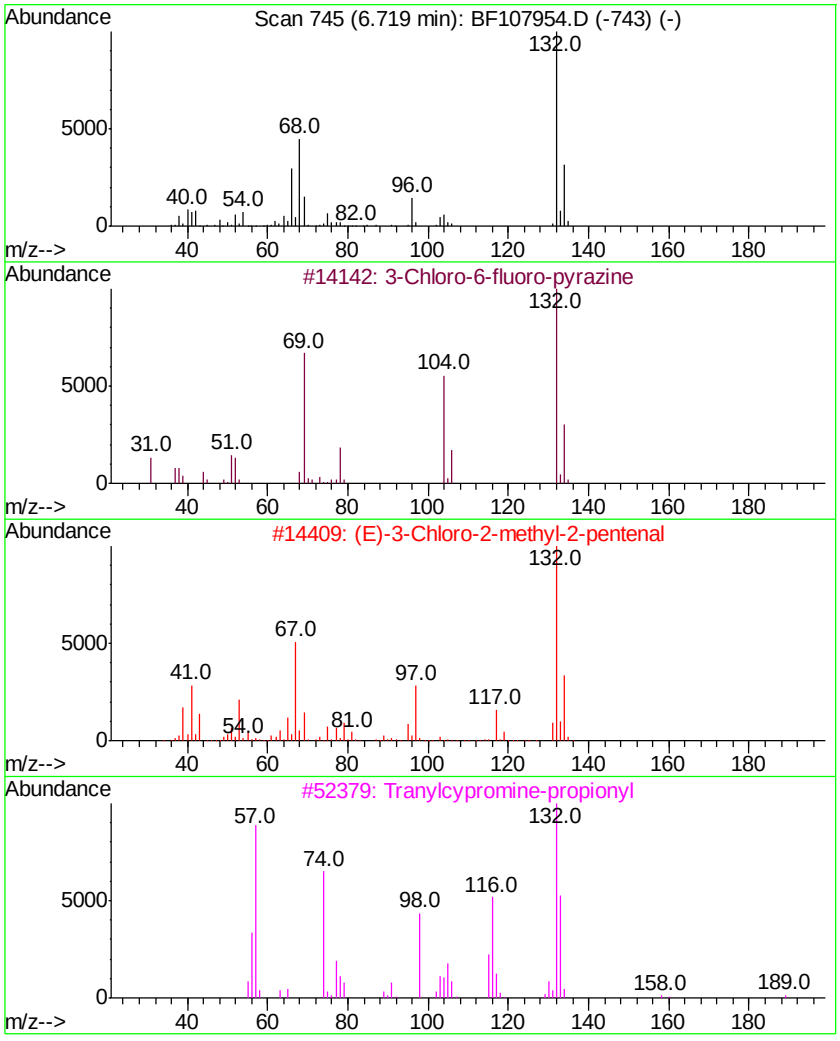
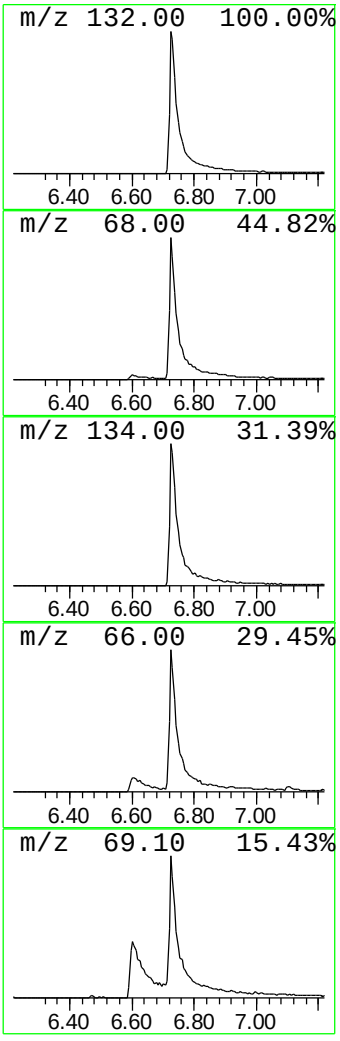
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	57.64 ng	2261810	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Data File : BF107954.D
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Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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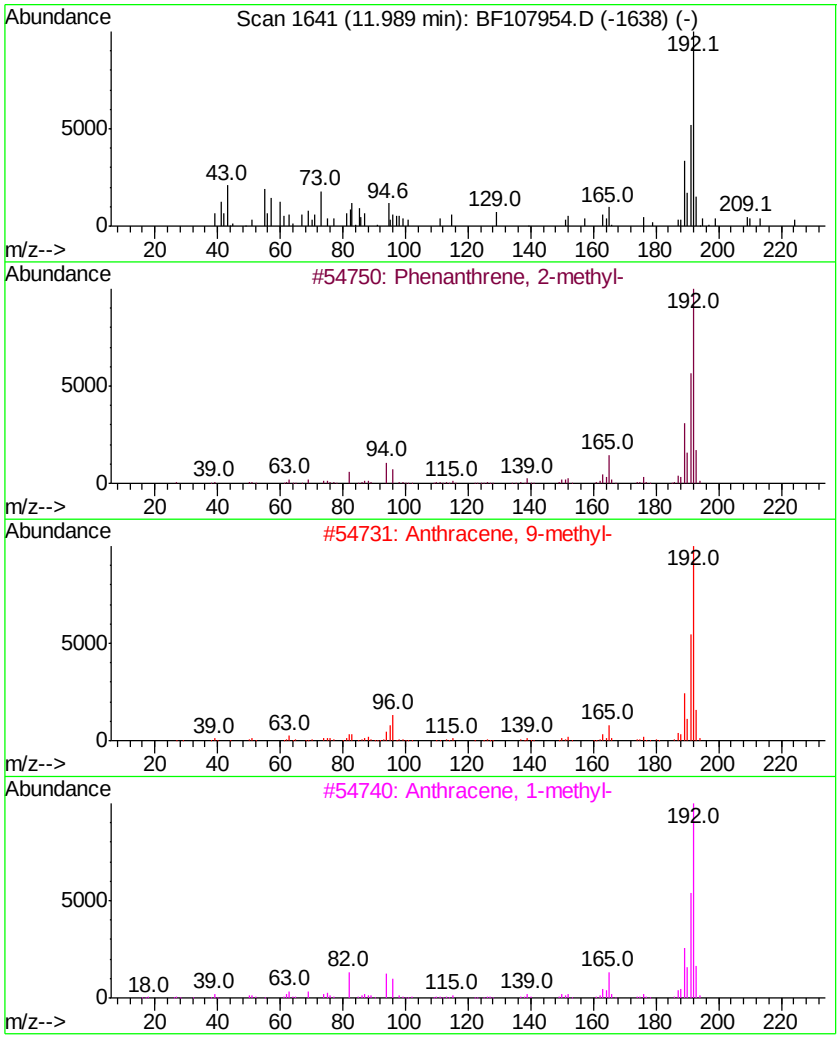
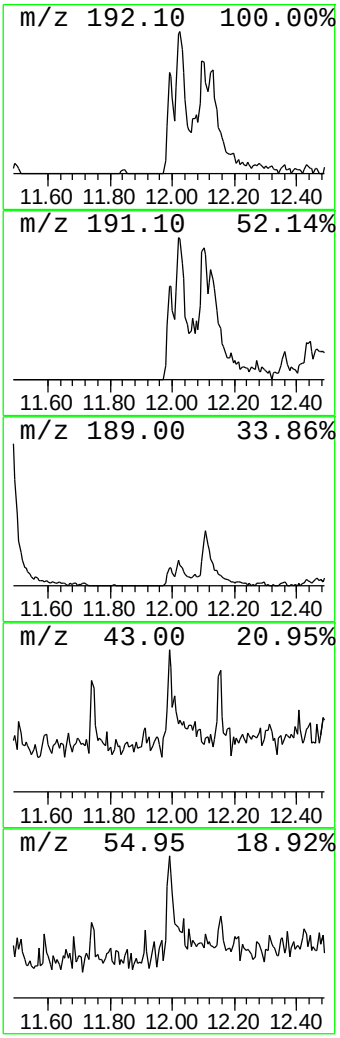
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.96 ng	72864	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Library Search Compound Report

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Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

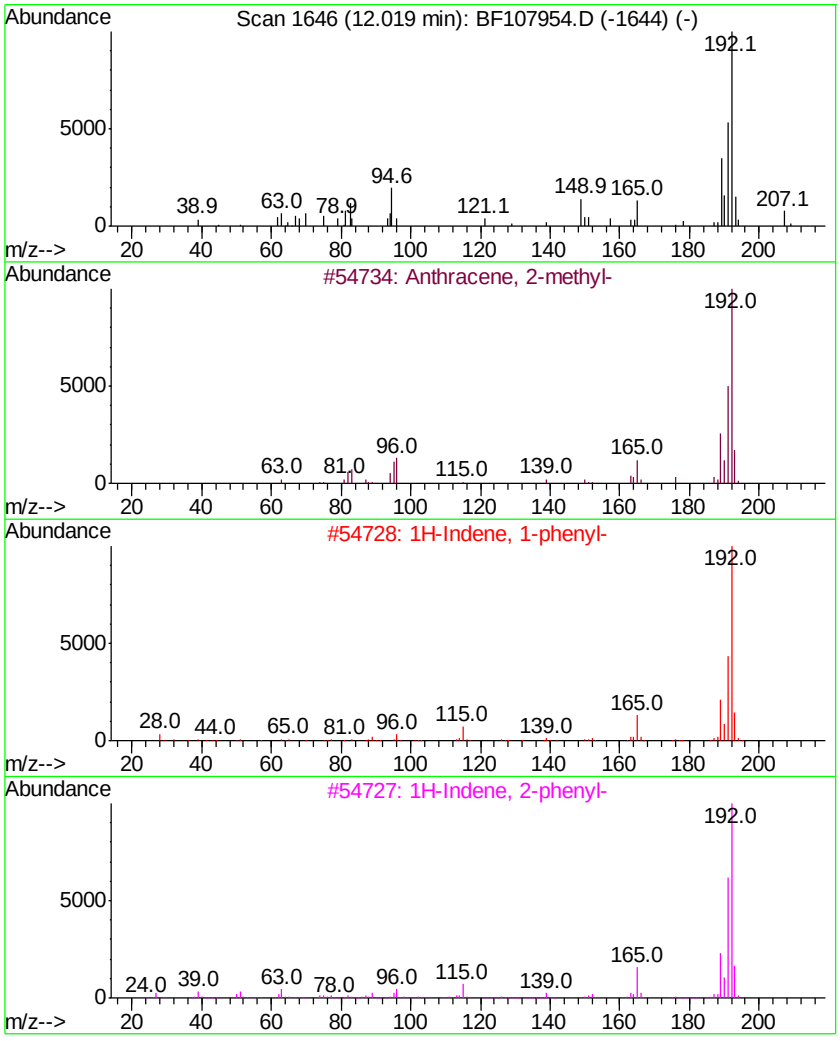
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

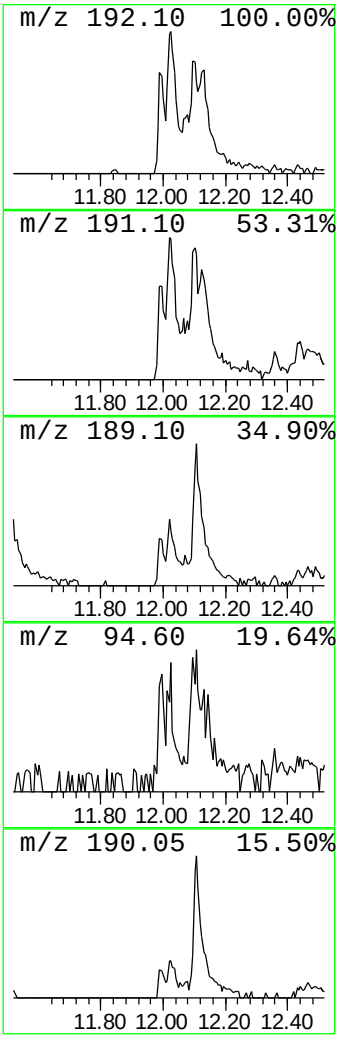
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.10 ng	100776	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70





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Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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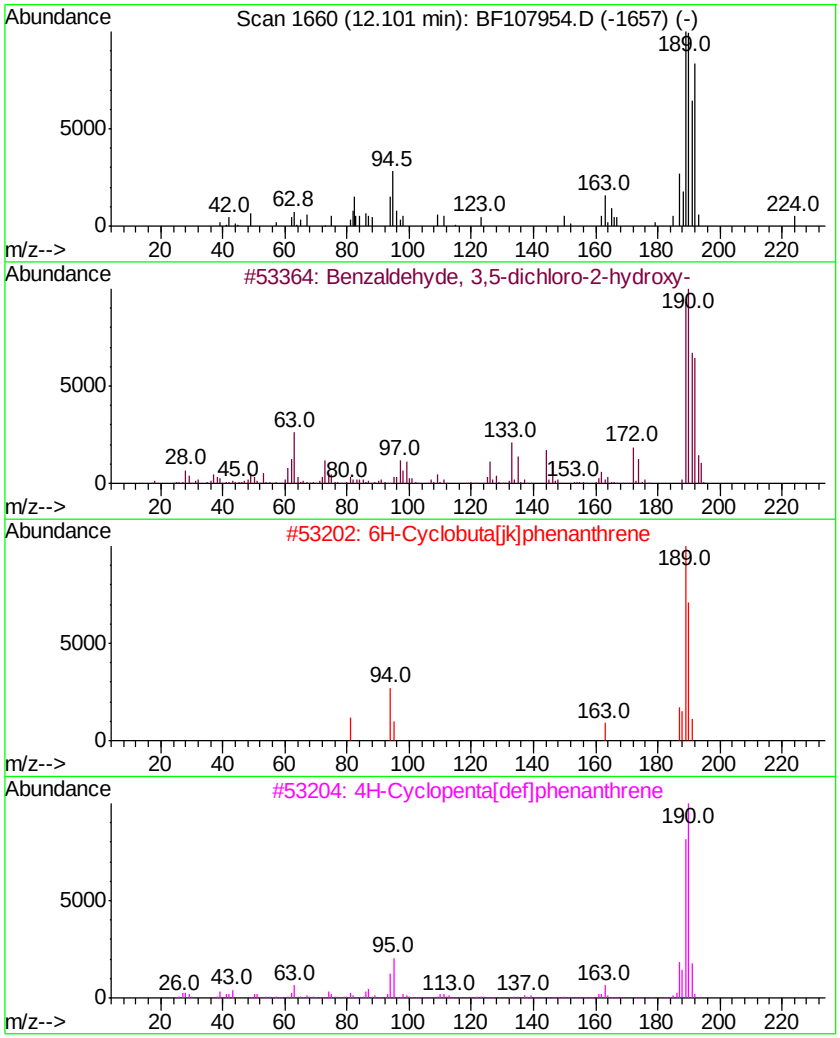
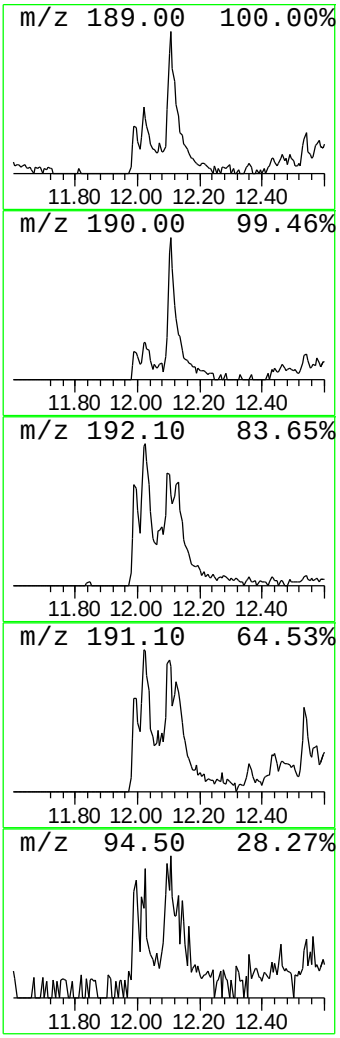
****

Peak Number 6 unknown12.10 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.29 ng	80963	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	35
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	27





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Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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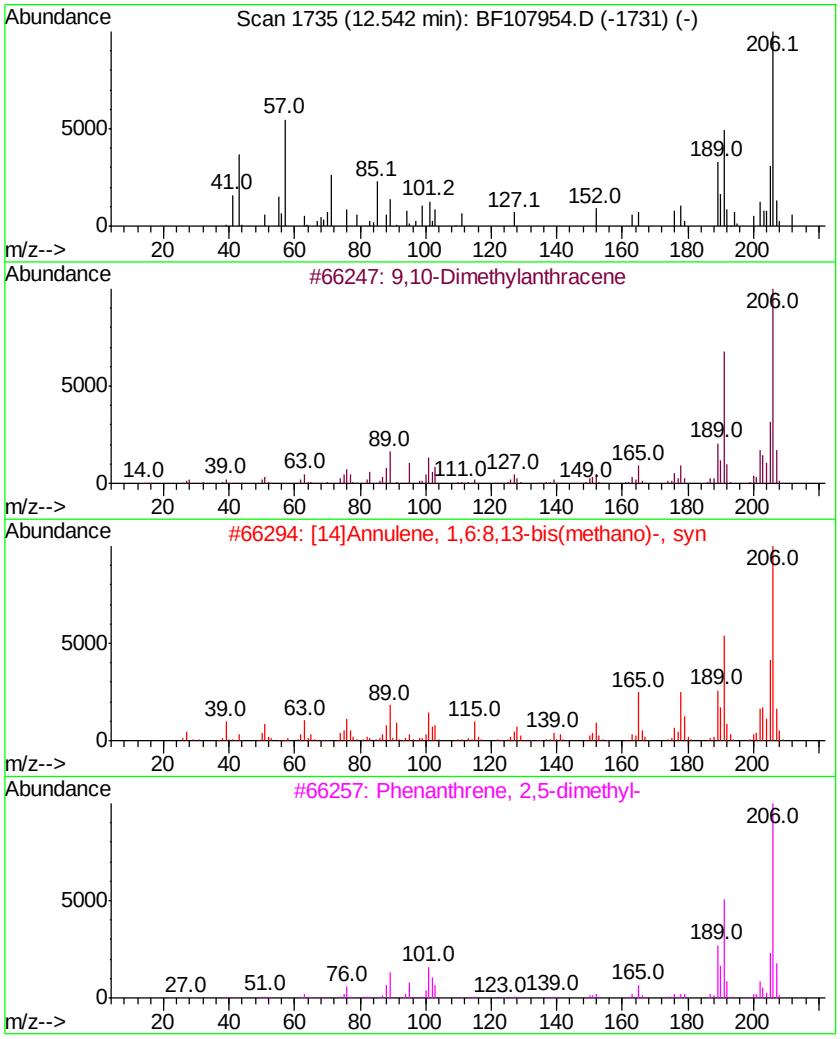
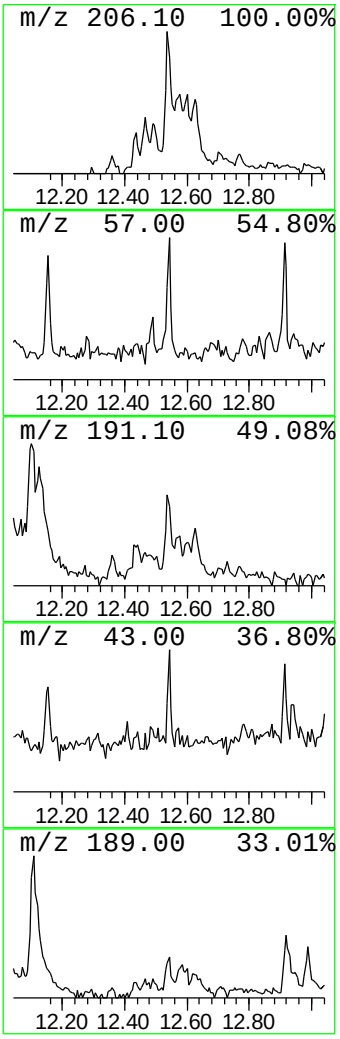
Peak Number 7 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.04 ng	50248	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





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

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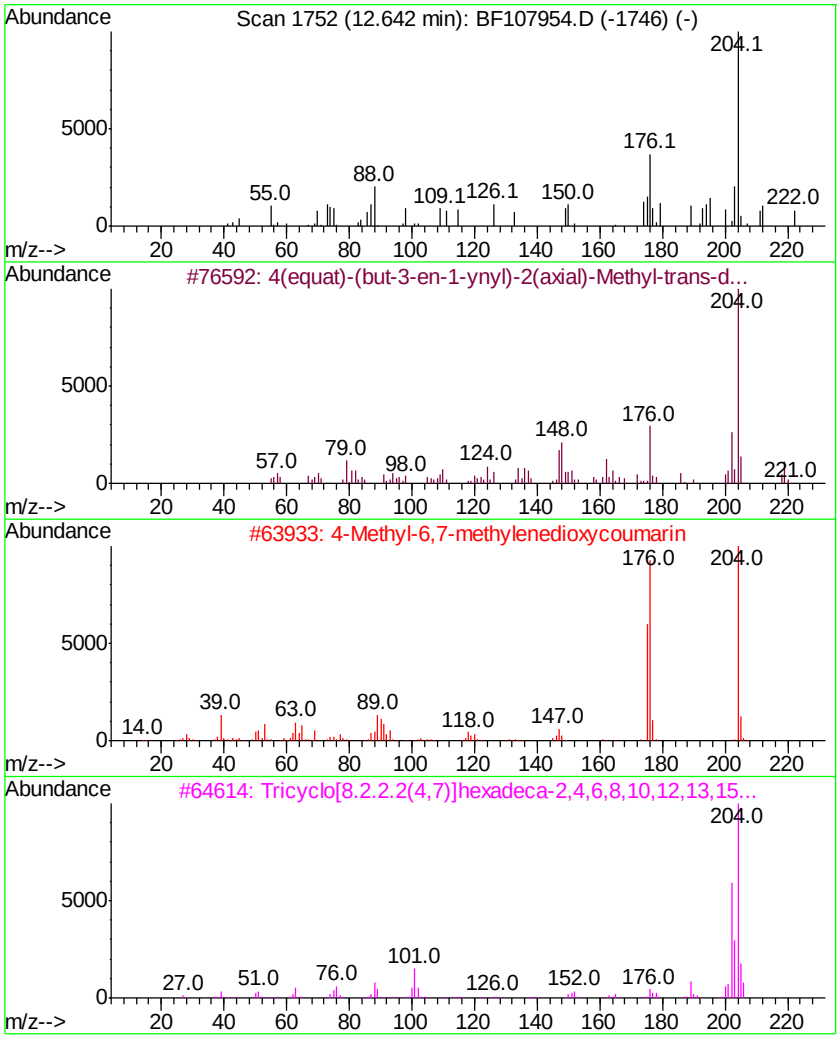
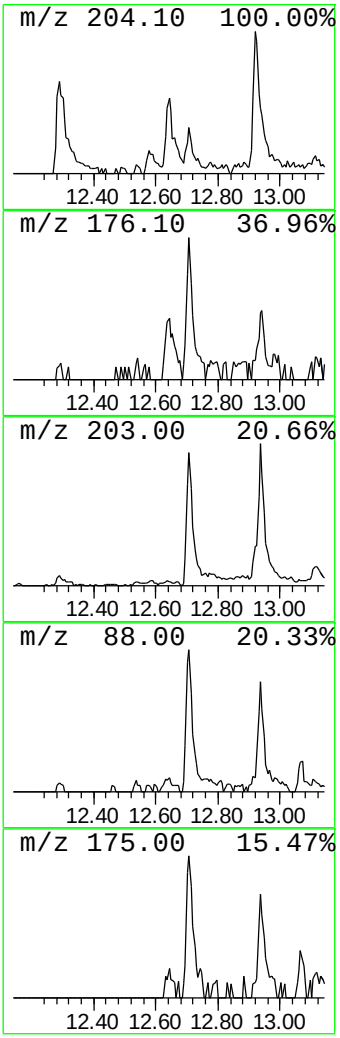
Peak Number 8 4(equat)-(but-3-en-1-ynyl)-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.26 ng	55543	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	47
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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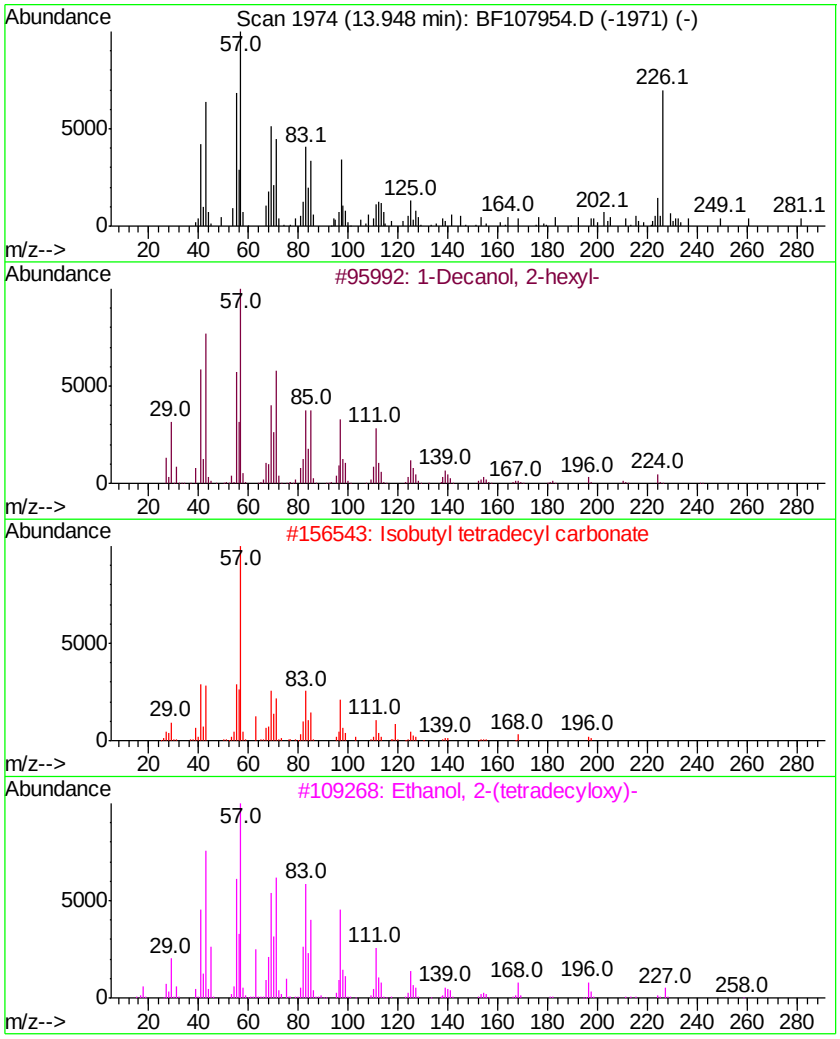
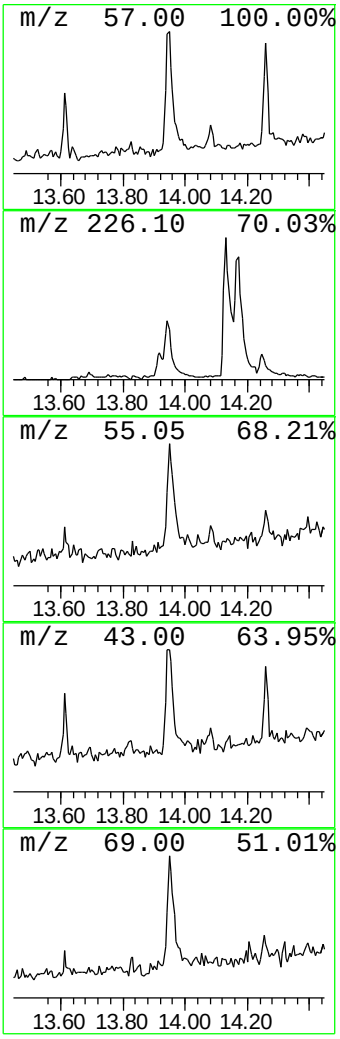
Peak Number 9 1-Decanol, 2-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.34 ng	177366	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	62
2	Isobutyl tetradecyl carbonate	314	C19H38O3	959275-58-2	52
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	52
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	49
5	Chloroacetic acid, 4-hexadecyl e...	318	C18H35ClO2	1000282-93-2	46





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Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

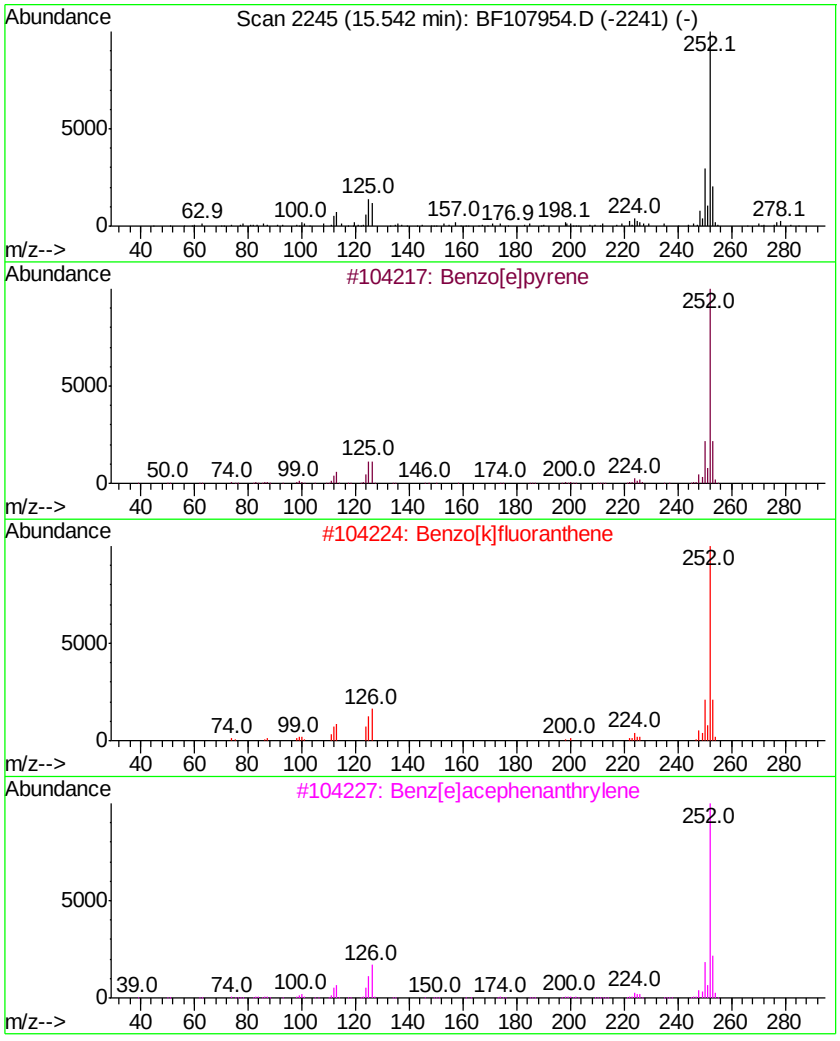
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

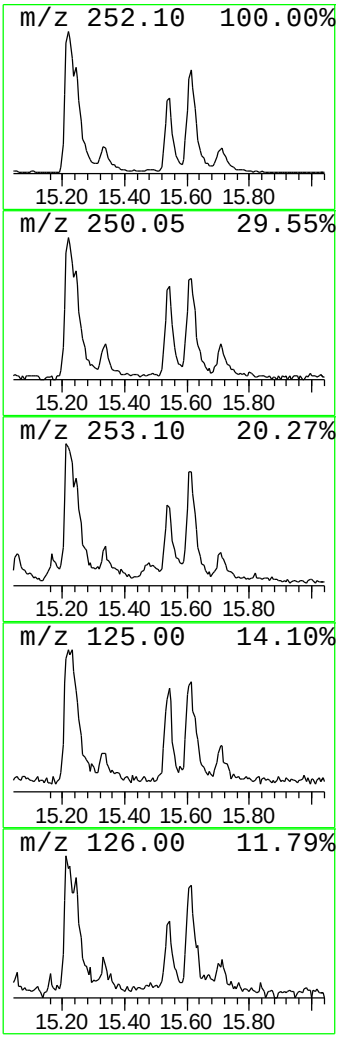
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.86 ng	150380	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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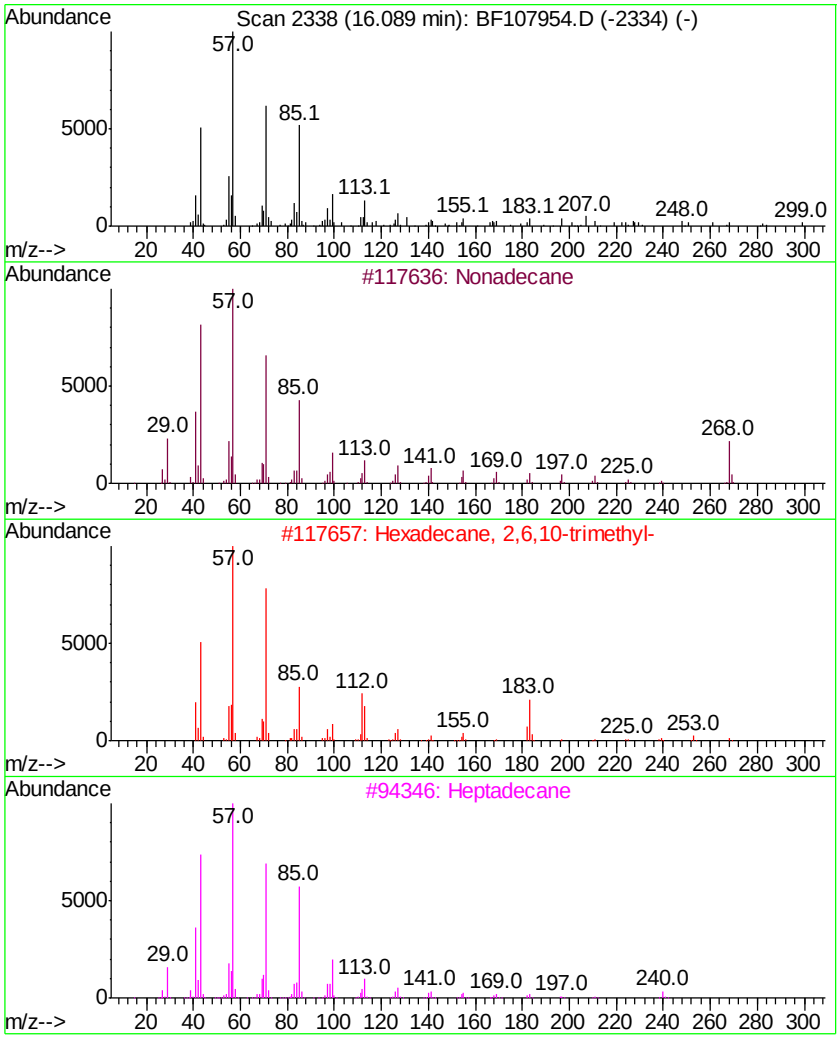
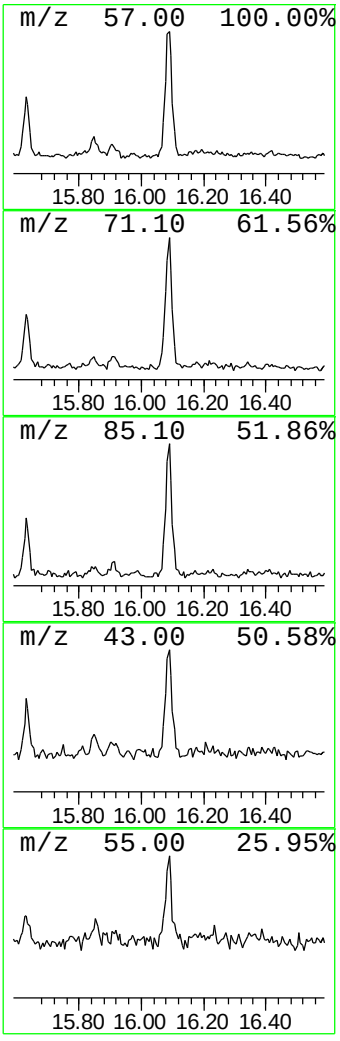
Peak Number 11 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	4.06 ng	158041	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	89
3	Heptadecane	240	C17H36	000629-78-7	87
4	Octadecane	254	C18H38	000593-45-3	86
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
Data File : BF107954.D
Acq On : 3 Aug 2018 22:43
Operator : JU/SJ
Sample : J4310-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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-Pentanone, 4-hy...	5.18	7.5	ng	294164	1	6.96	784815	20.0
unknown6.72	6.72	57.6	ng	2261810	1	6.96	784815	20.0
Phenanthrene, 2-m...	11.99	3.0	ng	72864	4	11.49	491628	20.0
Anthracene, 2-met...	12.02	4.1	ng	100776	4	11.49	491628	20.0
unknown12.10	12.10	3.3	ng	80963	4	11.49	491628	20.0
9,10-Dimethylanth...	12.54	2.0	ng	50248	4	11.49	491628	20.0
4(equat)-(but-3-e...	12.64	2.3	ng	55543	4	11.49	491628	20.0
1-Decanol, 2-hexyl-	13.95	3.3	ng	177366	5	14.14	1063610	20.0
Benzo[e]pyrene	15.54	3.9	ng	150380	6	15.67	779254	20.0
Nonadecane	16.09	4.1	ng	158041	6	15.67	779254	20.0