LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109196.D
Acq On : 20 Sep 2018 21:46
Operator : JU/SJ
Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

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-BF091418.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	4.913	434	438	445	rVB	57567	66940	4.10%	0.371%
2	5.331	504	509	512	rBV	1437305	1334076	81.64%	7.399%
3	6.354	678	683	686	rBV	1234818	1231330	75.35%	6.829%
4	6.490	701	706	709	rBV	1453296	1269619	77.69%	7.041%
5	6.719	741	745	748	rBV	612225	489325	29.94%	2.714%
6	6.878	768	772	775	rBV	1269877	1035727	63.38%	5.744%
7	7.278	835	840	843	rBV	1069179	901982	55.19%	5.002%
8	8.001	959	963	966	rBV	868496	693567	42.44%	3.846%
9	9.078	1141	1146	1149	rBV	1990833	1634177	100.00%	9.063%
10	9.466	1209	1212	1216	rBV	491416	435106	26.63%	2.413%
11	9.748	1255	1260	1264	rBV2	861821	756351	46.28%	4.195%
12	9.778	1264	1265	1274	rVB	46720	40792	2.50%	0.226%
13	9.954	1292	1295	1298	rBV	39734	30951	1.89%	0.172%
14	10.295	1350	1353	1356	rBV	66468	58371	3.57%	0.324%
15	10.530	1389	1393	1399	rBV	811761	713834	43.68%	3.959%
16	10.842	1440	1446	1448	rBV3	24369	28614	1.75%	0.159%
17	11.083	1483	1487	1490	rBV3	14821	24114	1.48%	0.134%
18	11.119	1490	1493	1496	rVB2	26901	29866	1.83%	0.166%
19	11.225	1507	1511	1513	rBV	775538	677788	41.48%	3.759%
20	11.248	1513	1515	1519	rVV	603866	464167	28.40%	2.574%
21	11.301	1519	1524	1527	rVB	177883	150807	9.23%	0.836%
22	11.454	1545	1550	1553	rBV2	29247	29284	1.79%	0.162%
23	11.536	1560	1564	1566	rBV2	15012	22081	1.35%	0.122%
24	11.725	1593	1596	1599	rBV	81247	73102	4.47%	0.405%
25	11.754	1599	1601	1605	rVV	115505	104618	6.40%	0.580%
26	11.801	1606	1609	1612	rVV2	52393	47484	2.91%	0.263%
27	11.836	1612	1615	1617	rVV	128286	133192	8.15%	0.739%
28	11.860	1617	1619	1624	rVB	74042	60391	3.70%	0.335%
29	12.019	1641	1646	1648	rBV3	45945	47529	2.91%	0.264%
30	12.042	1648	1650	1657	rVB3	22414	23078	1.41%	0.128%
31	12.172	1666	1672	1674	rBV2	25192	27333	1.67%	0.152%
32	12.272	1686	1689	1692	rBV	48568	54808	3.35%	0.304%
33	12.307	1692	1695	1697	rVV2	31107	39236	2.40%	0.218%
34	12.330	1697	1699	1701	rVV	34609	24916	1.52%	0.138%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

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-BF091418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.354	1701	1703	1709	rVB3	26130	33068	2.02%	0.183%
36	12.430	1713	1716	1720	rBV	427532	357307	21.86%	1.982%
37	12.654	1745	1754	1758	rBV	371976	438918	26.86%	2.434%
38	12.807	1776	1780	1784	rVB	1274640	1096048	67.07%	6.079%
39	12.877	1787	1792	1795	rBV2	34409	54229	3.32%	0.301%
40	12.966	1804	1807	1808	rBV3	18924	22395	1.37%	0.124%
41	12.983	1808	1810	1814	rVB	68215	67789	4.15%	0.376%
42	13.054	1819	1822	1825	rVB	78967	65554	4.01%	0.364%
43	13.089	1825	1828	1831	rBV2	51282	49097	3.00%	0.272%
44	13.183	1841	1844	1846	rBV	31012	33171	2.03%	0.184%
45	13.213	1846	1849	1853	rVB	38277	33038	2.02%	0.183%
46	13.283	1859	1861	1867	rVB3	28996	30780	1.88%	0.171%
47	13.395	1877	1880	1885	rBV2	43967	52424	3.21%	0.291%
48	13.489	1894	1896	1905	rVB2	24820	37908	2.32%	0.210%
49	13.601	1911	1915	1918	rBV3	33873	41545	2.54%	0.230%
50	13.719	1932	1935	1941	rVB	71371	87703	5.37%	0.486%
51	13.854	1950	1958	1960	rBV2	605677	766912	46.93%	4.253%
52	13.877	1960	1962	1964	rVB	155965	126581	7.75%	0.702%
53	13.954	1973	1975	1980	rVB3	19363	23095	1.41%	0.128%
54	14.036	1986	1989	1992	rVB2	53502	45587	2.79%	0.253%
55	14.236	2021	2023	2026	rVB	36403	27291	1.67%	0.151%
56	14.266	2026	2028	2032	rVB	22372	23794	1.46%	0.132%
57	14.336	2038	2040	2042	rBV2	30933	29783	1.82%	0.165%
58	14.607	2082	2086	2089	rBV	345583	329142	20.14%	1.825%
59	14.630	2089	2090	2095	rVB2	58042	58463	3.58%	0.324%
60	14.707	2100	2103	2106	rVB3	32581	37412	2.29%	0.207%
61	14.771	2112	2114	2118	rVB4	22298	20255	1.24%	0.112%
62	14.860	2125	2129	2132	rBV	127523	200752	12.28%	1.113%
63	14.954	2142	2145	2149	rVB2	67594	77274	4.73%	0.429%
64	15.136	2173	2176	2182	rBV	74486	88033	5.39%	0.488%
65	15.195	2182	2186	2191	rVB	128509	135073	8.27%	0.749%
66	15.260	2192	2197	2200	rBV	431626	537269	32.88%	2.980%
67	15.707	2269	2273	2278	rBV2	40932	66315	4.06%	0.368%
68	16.601	2421	2425	2434	rVB3	50856	98025	6.00%	0.544%
69	17.007	2490	2494	2504	rVB2	43879	84926	5.20%	0.471%

Sum of corrected areas: 18031512

LSC Report - Integrated Chromatogram

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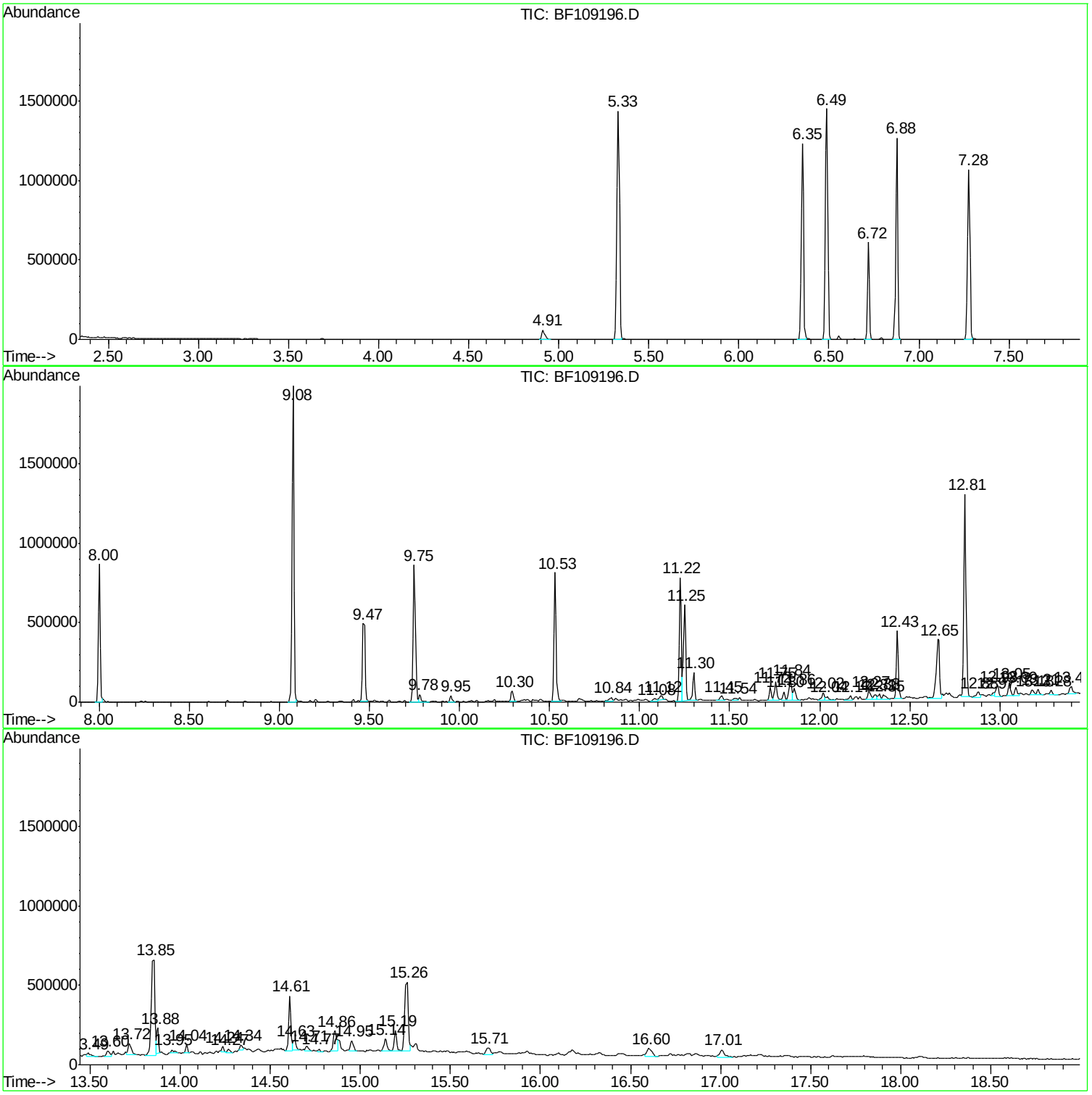
Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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

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Data File : BF109196.D
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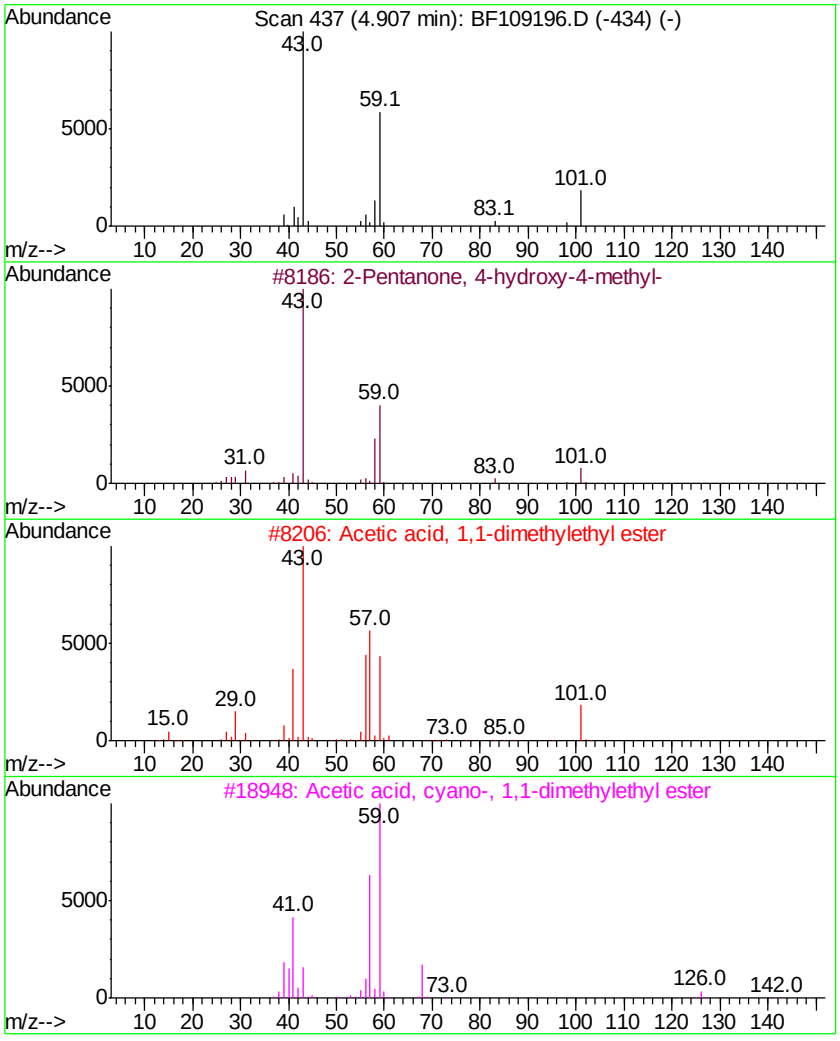
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

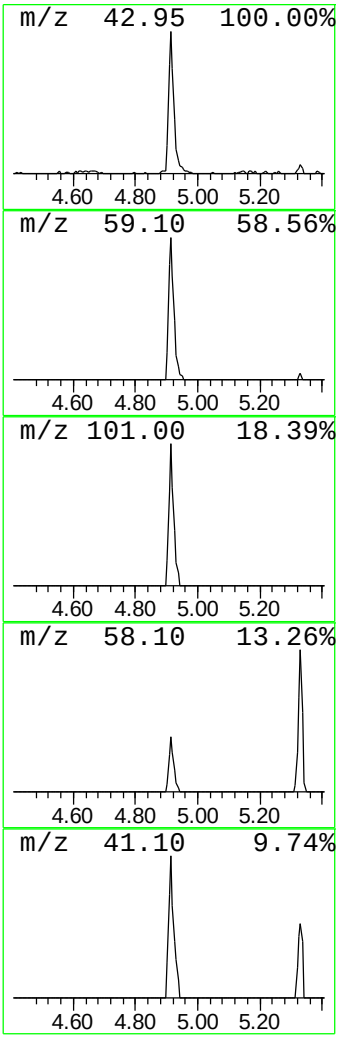
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	2.74 ng	66940	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

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Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

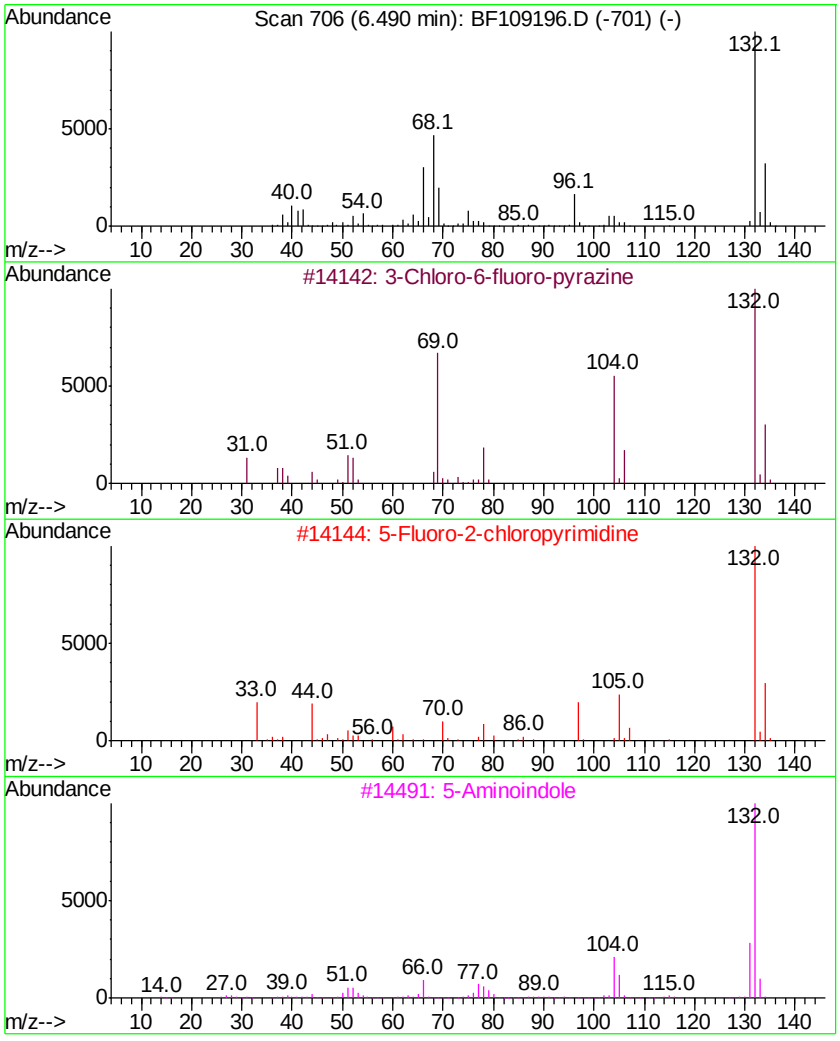
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

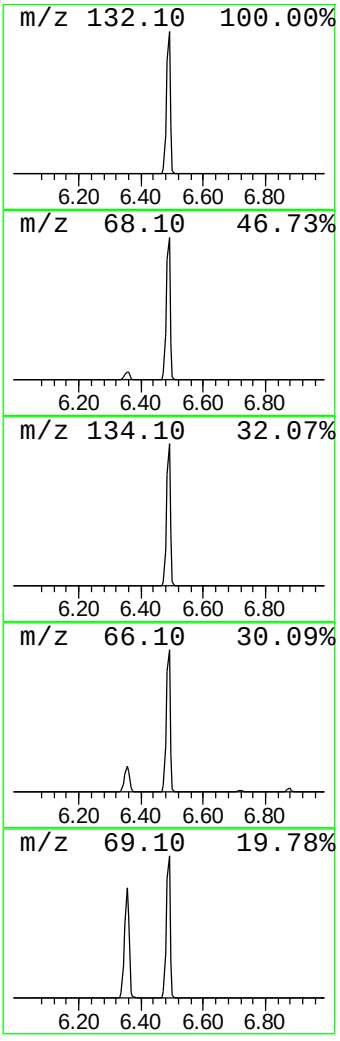
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	51.89 ng	1269620	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
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





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Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
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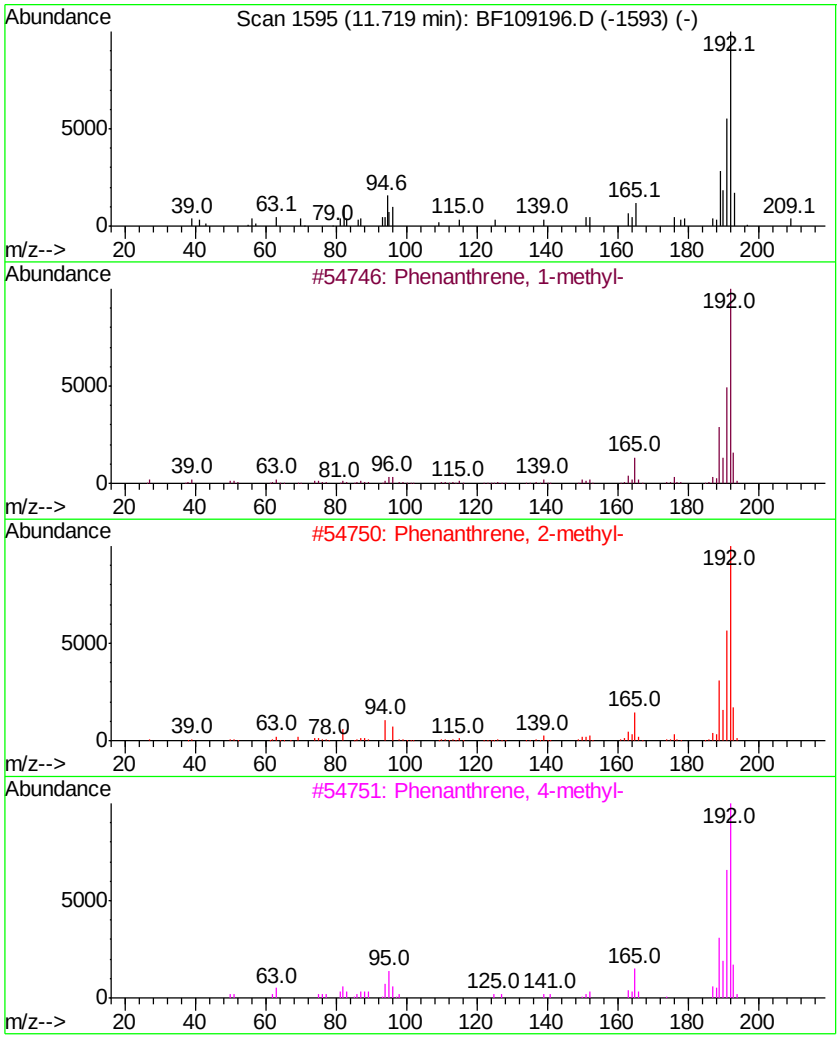
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

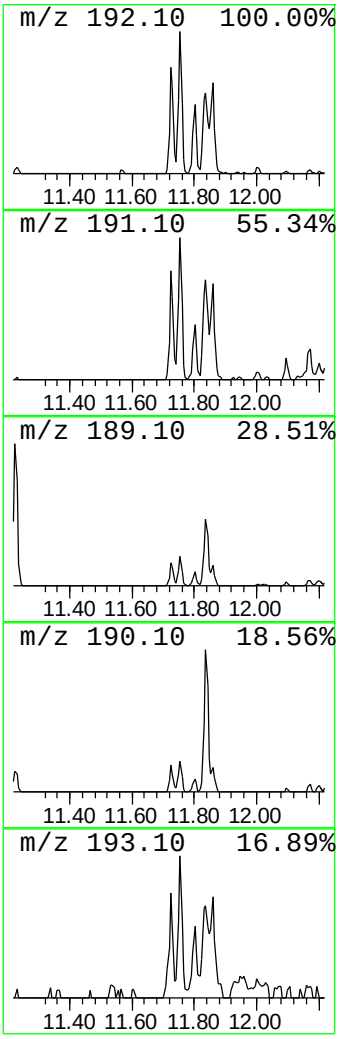
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.16 ng	73102	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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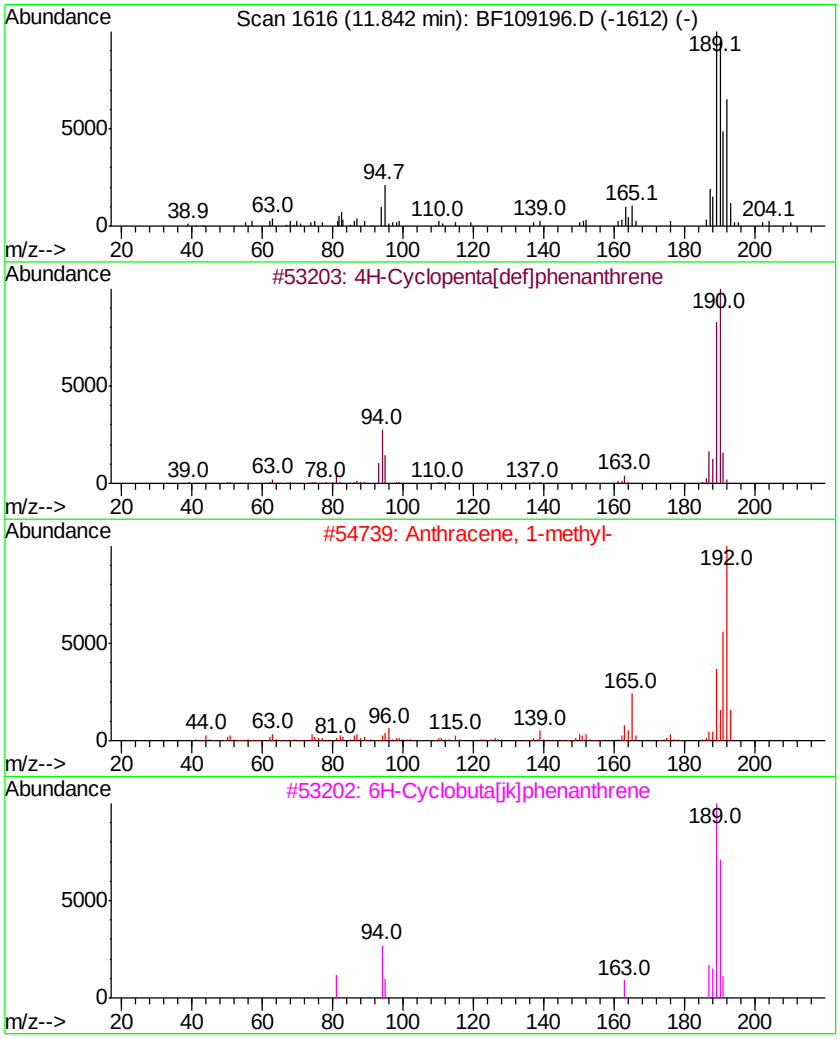
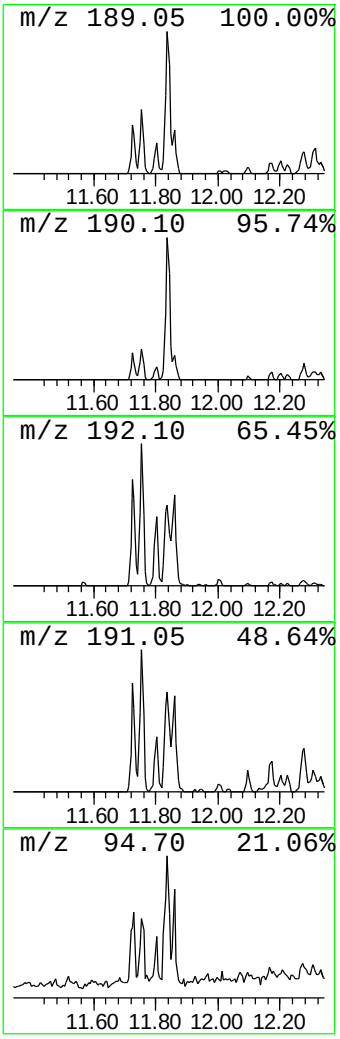
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.93 ng	133192	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Library Search Compound Report

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BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

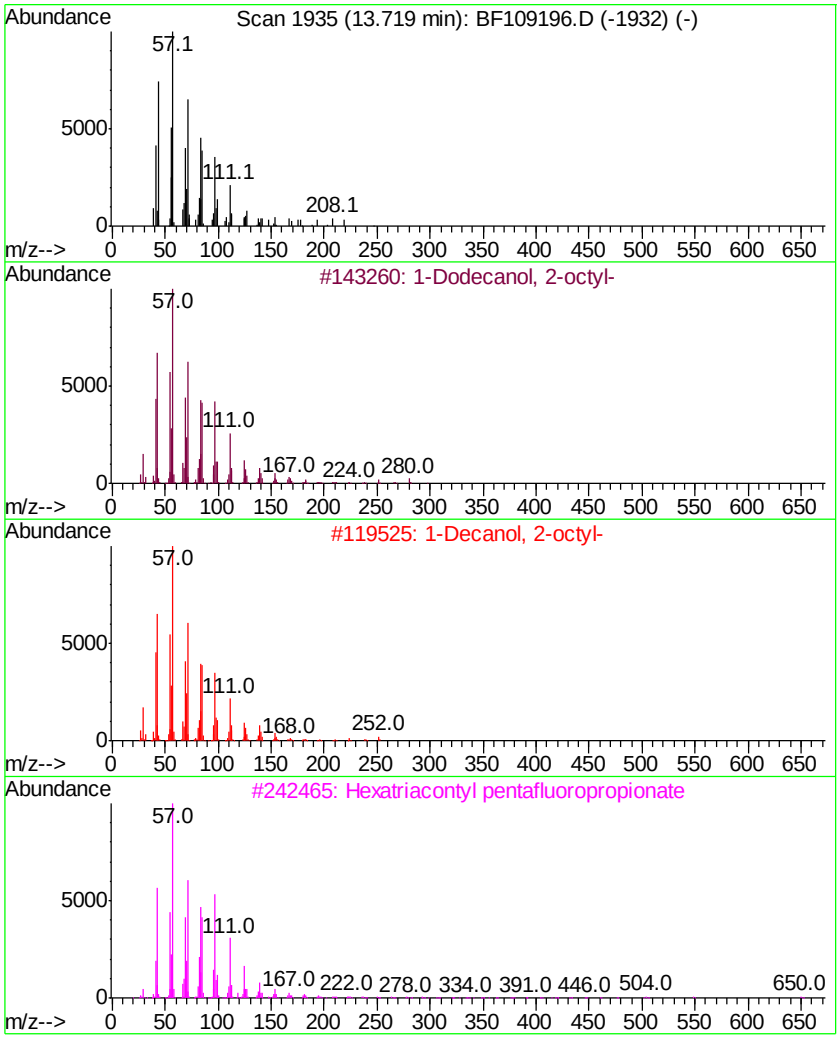
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

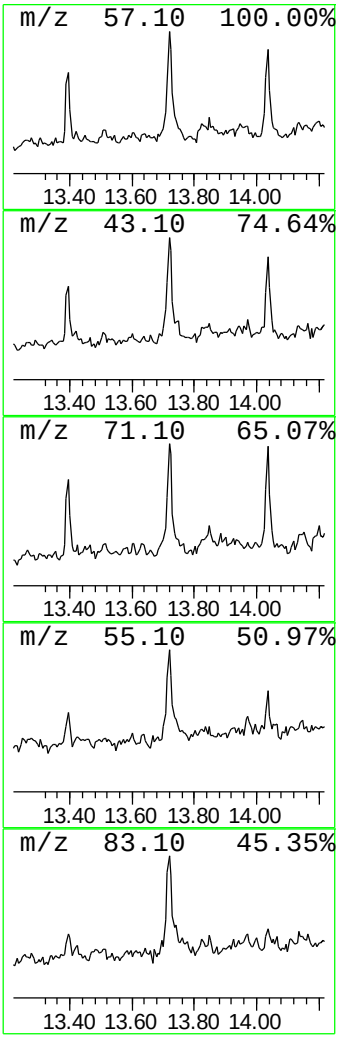
****

Peak Number 7 1-Dodecanol, 2-octyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.29 ng	87703	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
2	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	91
3	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	91
4	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	91
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	83





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BNA_F
ClientSampleId :
BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

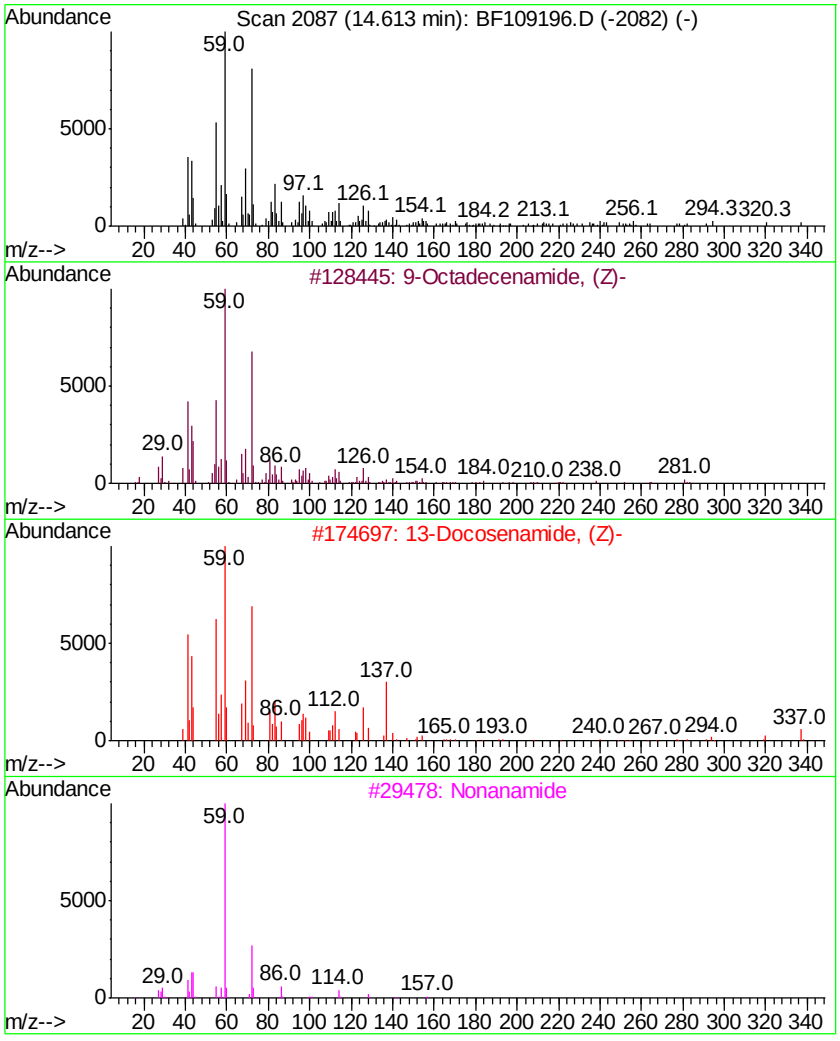
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

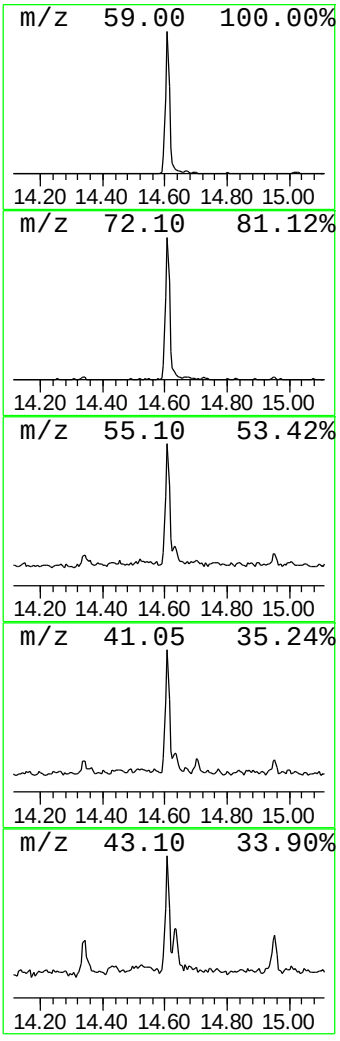
****

Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	12.25 ng	329142	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	64
3	Nonanamide	157	C9H19NO	001120-07-6	53
4	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	53
5	2-Hydroxy-2,4-dimethyl-hept-6-en...	156	C9H16O2	1000192-56-0	38





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Sample : J5002-01
Misc :
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Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

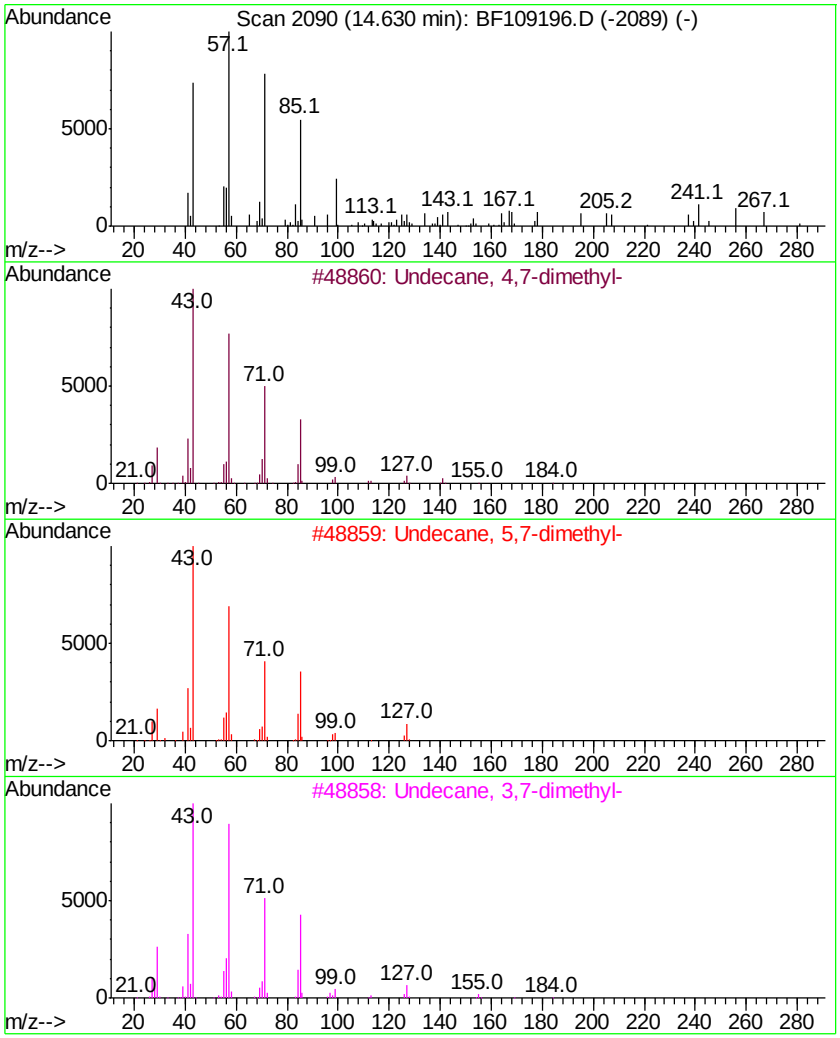
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

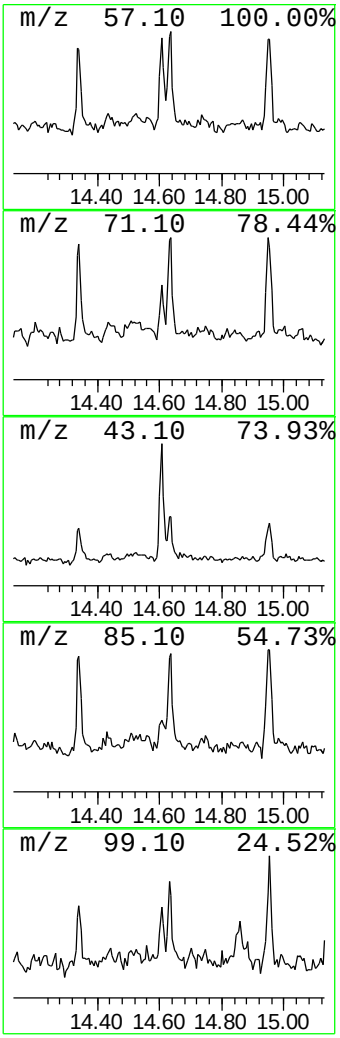
****

Peak Number 9 Undecane, 4,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.18 ng	58463	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	64
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64
3	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
5	Eicosane	282	C20H42	000112-95-8	59





Library Search Compound Report

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Data File : BF109196.D
Acq On : 20 Sep 2018 21:46
Operator : JU/SJ
Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

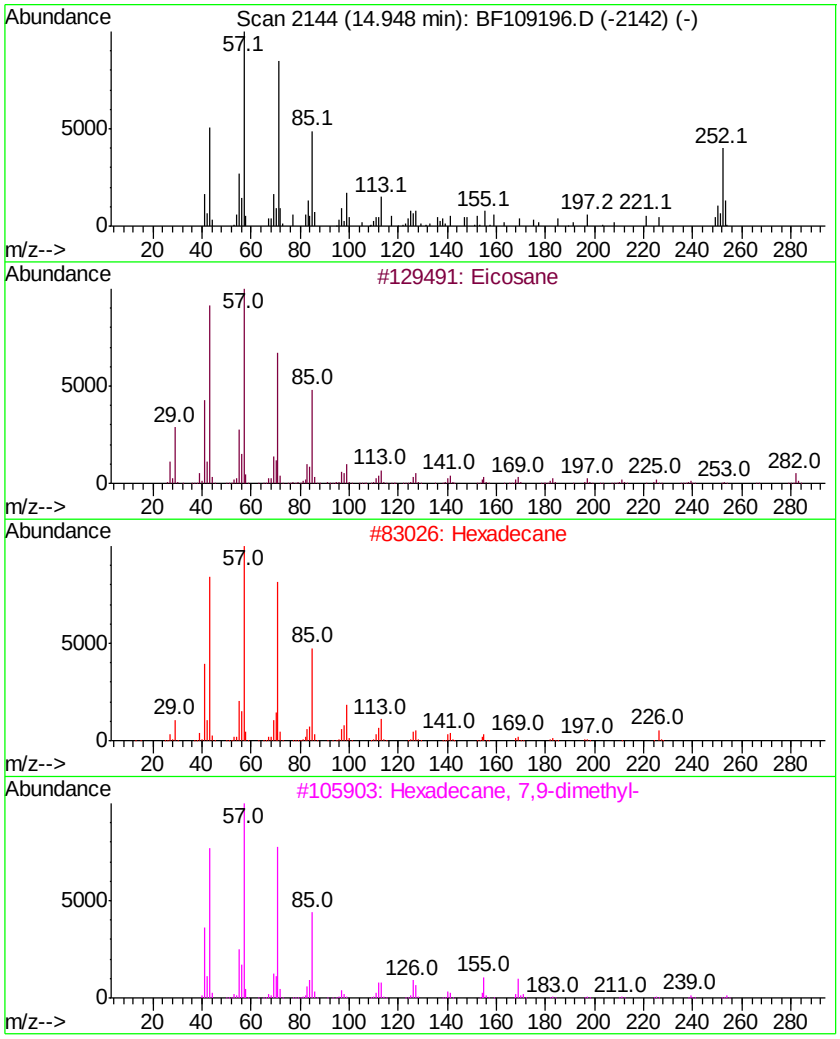
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

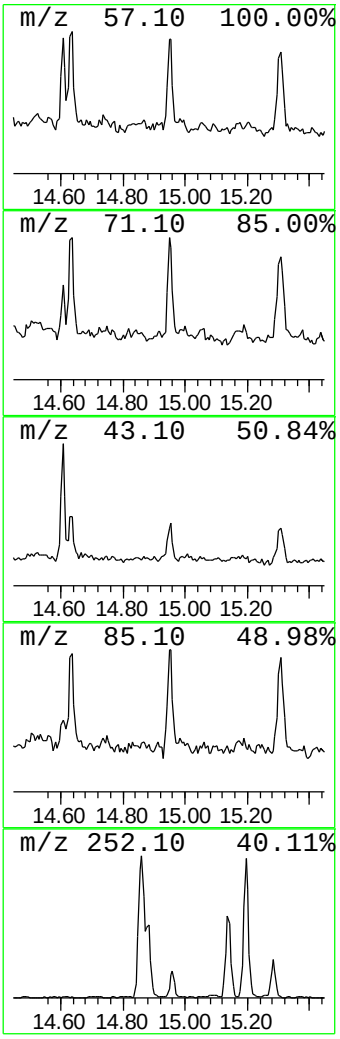
****

Peak Number 10 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.88 ng	77274	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	50
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
Data File : BF109196.D
Acq On : 20 Sep 2018 21:46
Operator : JU/SJ
Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

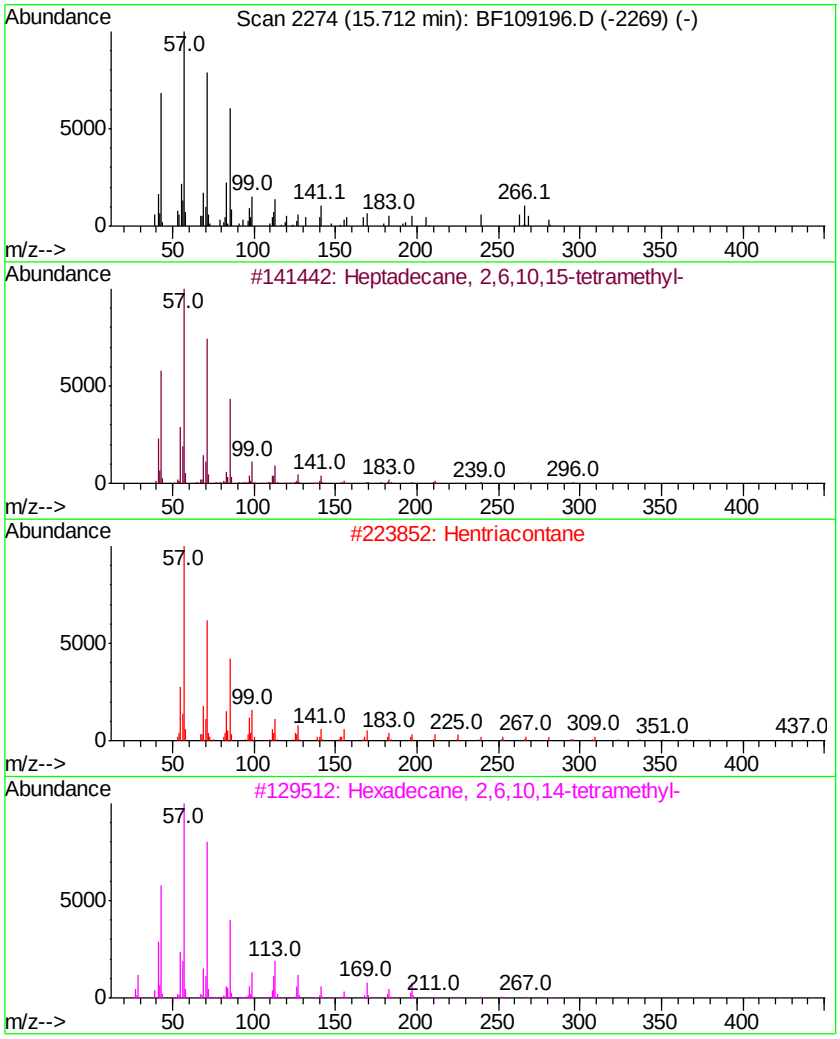
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

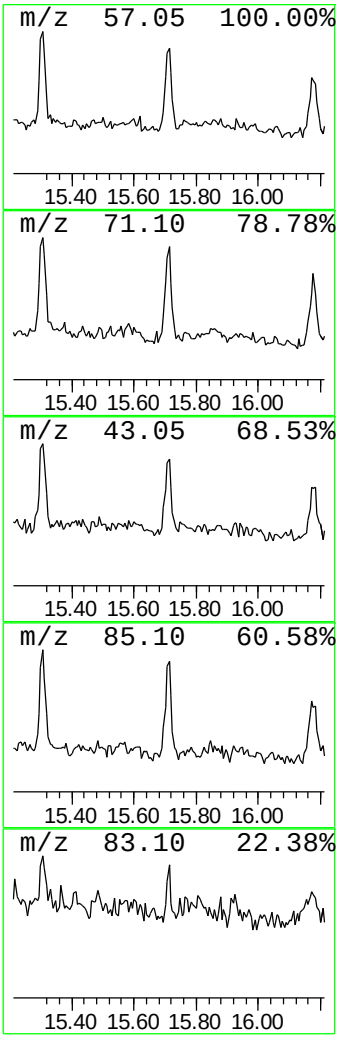
****

Peak Number 12 Heptadecane, 2,6,10,15-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.47 ng	66315	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	Hentriacontane	437	C31H64	000630-04-6	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
Data File : BF109196.D
Acq On : 20 Sep 2018 21:46
Operator : JU/SJ
Sample : J5002-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BACKFILL-12TH-AVE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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...	4.91	2.7	ng	66940	1	6.72	489325	20.0
unknown6.49	6.49	51.9	ng	1269620	1	6.72	489325	20.0
Phenanthrene, 1-m...	11.72	2.2	ng	73102	4	11.22	677788	20.0
4H-Cyclopenta[def...	11.84	3.9	ng	133192	4	11.22	677788	20.0
1-Dodecanol, 2-oc...	13.72	2.3	ng	87703	5	13.85	766912	20.0
9-Octadecenamide,...	14.61	12.3	ng	329142	6	15.26	537269	20.0
Undecane, 4,7-dim...	14.63	2.2	ng	58463	6	15.26	537269	20.0
Eicosane	14.95	2.9	ng	77274	6	15.26	537269	20.0
Heptadecane, 2,6,...	15.71	2.5	ng	66315	6	15.26	537269	20.0