LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

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:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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	1.644	3	5	31	rVB	409578	996484	32.72%	3.192%
2	4.536	256	258	269	rVB	351068	617471	20.28%	1.978%
3	5.027	298	301	303	rBV	2398689	3045215	100.00%	9.754%
4	6.124	394	397	400	rBV	2246339	2857928	93.85%	9.154%
5	6.227	404	406	409	rVB	2617969	2790299	91.63%	8.937%
6	6.456	424	426	429	rBV	662599	777933	25.55%	2.492%
7	6.616	438	440	443	rBV	2292565	2266712	74.44%	7.260%
8	7.039	474	477	479	rBV	1896373	2004832	65.84%	6.421%
9	7.747	537	539	542	rBV	1064264	1025507	33.68%	3.285%
10	8.559	608	610	613	rVB	40025	42531	1.40%	0.136%
11	8.833	631	634	637	rBV	2806665	2968081	97.47%	9.507%
12	9.096	654	657	659	rBV	23393	42076	1.38%	0.135%
13	9.165	661	663	664	rVV	55190	53444	1.76%	0.171%
14	9.233	667	669	672	rVV	786772	800084	26.27%	2.563%
15	9.279	672	673	677	rVB2	30523	31088	1.02%	0.100%
16	9.359	677	680	682	rBV	82319	80320	2.64%	0.257%
17	9.462	687	689	690	rVV	50096	50566	1.66%	0.162%
18	9.496	690	692	694	rVV	1323114	1117075	36.68%	3.578%
19	9.530	694	695	700	rVB4	30127	38167	1.25%	0.122%
20	9.702	708	710	712	rBV2	29031	43623	1.43%	0.140%
21	9.816	718	720	722	rBV	39548	46933	1.54%	0.150%
22	9.908	726	728	730	rBV2	27874	54472	1.79%	0.174%
23	9.953	730	732	734	rVB2	69835	100266	3.29%	0.321%
24	10.010	734	737	738	rBV2	24948	38178	1.25%	0.122%
25	10.033	738	739	743	rVB2	32361	53979	1.77%	0.173%
26	10.182	748	752	753	rBV2	42980	73953	2.43%	0.237%
27	10.285	758	761	763	rBV	1583044	1626585	53.41%	5.210%
28	10.433	770	774	777	rBV	111538	199534	6.55%	0.639%
29	10.616	788	790	792	rBV3	27829	31261	1.03%	0.100%
30	10.730	798	800	803	rVB4	17355	37056	1.22%	0.119%
31	10.868	810	812	814	rVB2	43815	61063	2.01%	0.196%
32	10.970	818	821	824	rBV	786297	1022258	33.57%	3.274%
33	11.039	824	827	830	rVB	53008	59735	1.96%	0.191%
34	11.222	840	843	845	rBV3	18966	38355	1.26%	0.123%

LSC Area Percent Report

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Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

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:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.302	848	850	852	rVB	30703	40976	1.35%	0.131%
36	11.473	862	865	866	rBV	46478	77996	2.56%	0.250%
37	11.496	866	867	869	rVB	81987	63126	2.07%	0.202%
38	11.531	869	870	872	rBV2	57601	85231	2.80%	0.273%
39	11.576	872	874	878	rVB2	83875	152271	5.00%	0.488%
40	12.011	910	912	914	rBV	57822	71195	2.34%	0.228%
41	12.045	914	915	918	rVB	42868	51474	1.69%	0.165%
42	12.091	918	919	922	rVB2	30717	44557	1.46%	0.143%
43	12.171	924	926	928	rBV	144623	178715	5.87%	0.572%
44	12.308	936	938	942	rBV3	23137	69464	2.28%	0.222%
45	12.388	943	945	949	rVV	255761	311694	10.24%	0.998%
46	12.456	949	951	955	rVB3	29934	58998	1.94%	0.189%
47	12.559	957	960	962	rVV	1570857	2129979	69.95%	6.822%
48	12.616	962	965	968	rVV4	32213	52708	1.73%	0.169%
49	12.719	970	974	976	rVB	50383	89091	2.93%	0.285%
50	12.788	978	980	981	rVV2	43687	44453	1.46%	0.142%
51	12.822	981	983	987	rVB2	54987	72986	2.40%	0.234%
52	12.914	989	991	992	rBV	58950	52043	1.71%	0.167%
53	12.948	992	994	996	rVB2	28146	40078	1.32%	0.128%
54	13.108	1006	1008	1009	rBV2	33491	38645	1.27%	0.124%
55	13.325	1025	1027	1029	rBV2	34837	58943	1.94%	0.189%
56	13.474	1038	1040	1043	rBV	192294	265193	8.71%	0.849%
57	13.588	1047	1050	1053	rBV2	557589	920594	30.23%	2.949%
58	14.102	1093	1095	1098	rBV2	184947	260260	8.55%	0.834%
59	14.571	1134	1136	1140	rBV	90592	212079	6.96%	0.679%
60	14.811	1155	1157	1159	rBV	82734	93550	3.07%	0.300%
61	14.857	1159	1161	1163	rBV	83022	110880	3.64%	0.355%
62	14.914	1163	1166	1168	rBV	348336	481315	15.81%	1.542%

Sum of corrected areas: 31221558

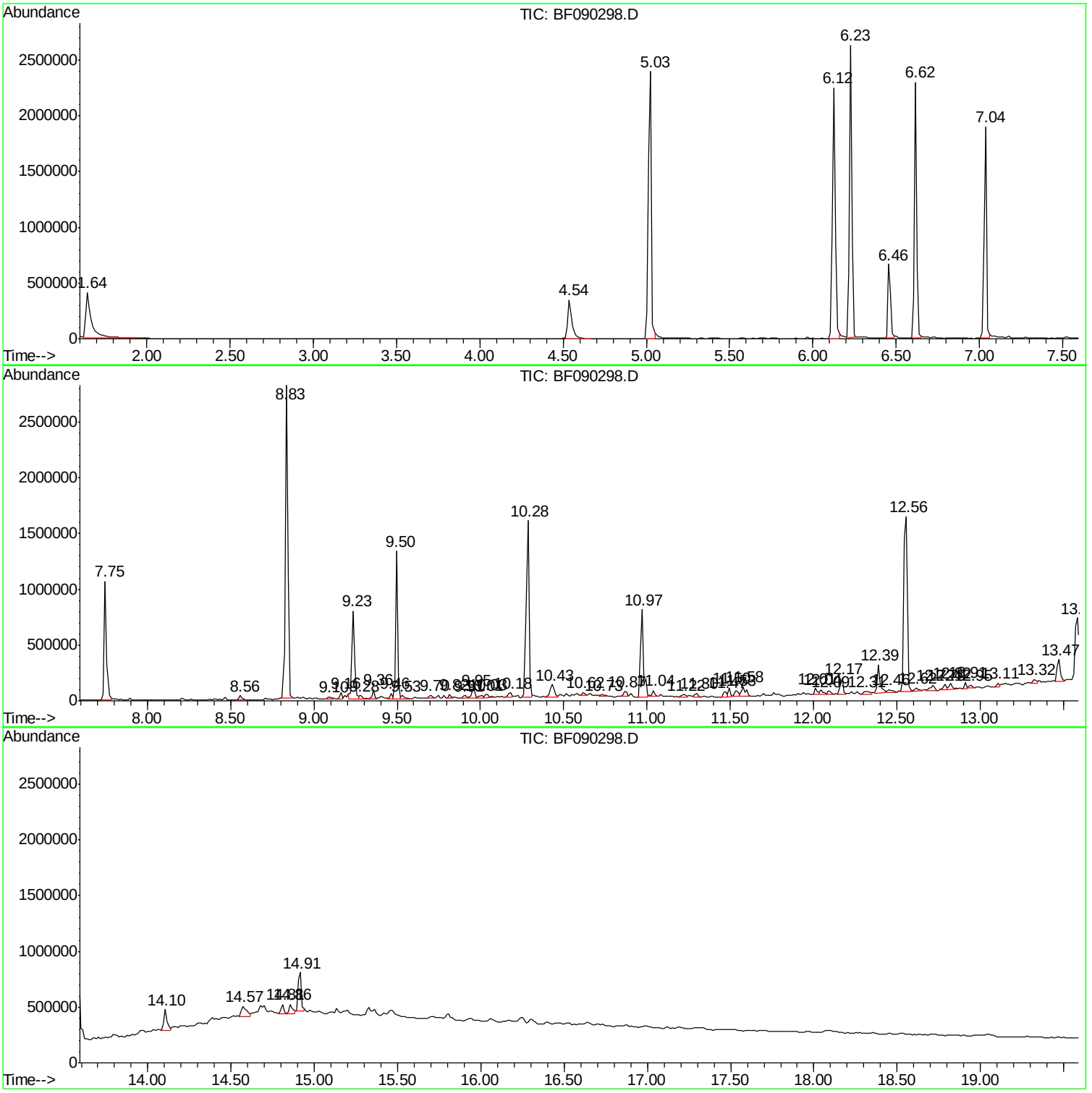
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

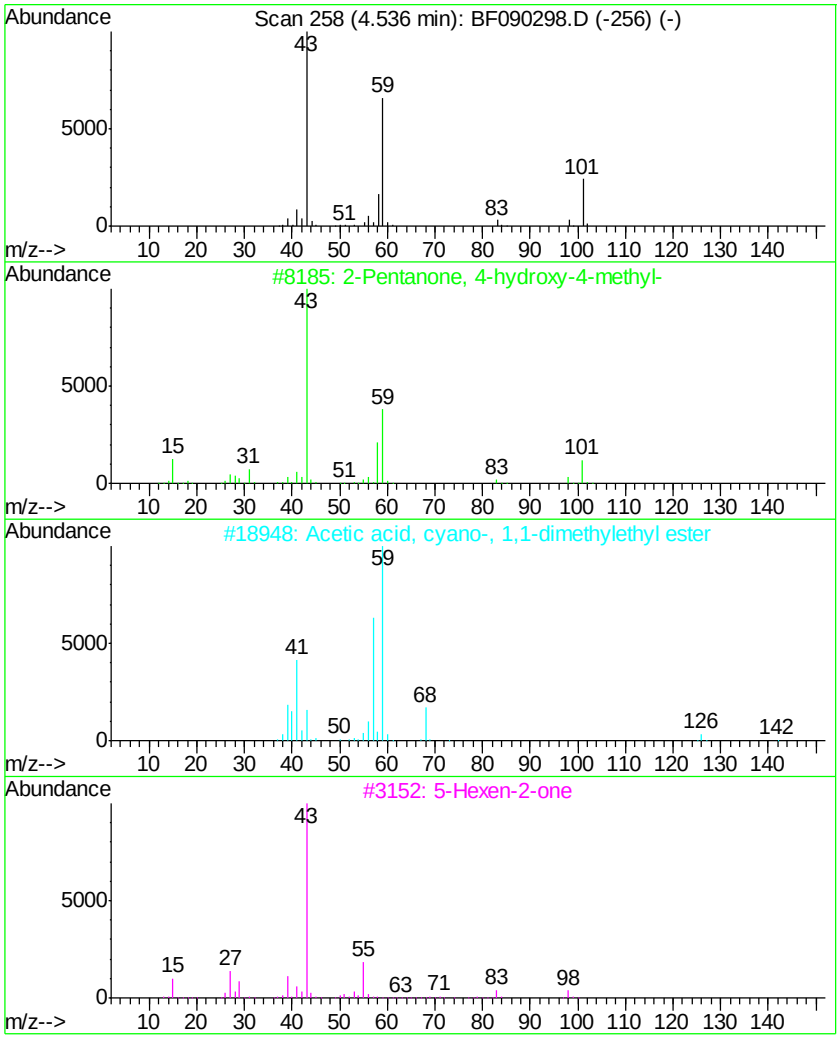
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

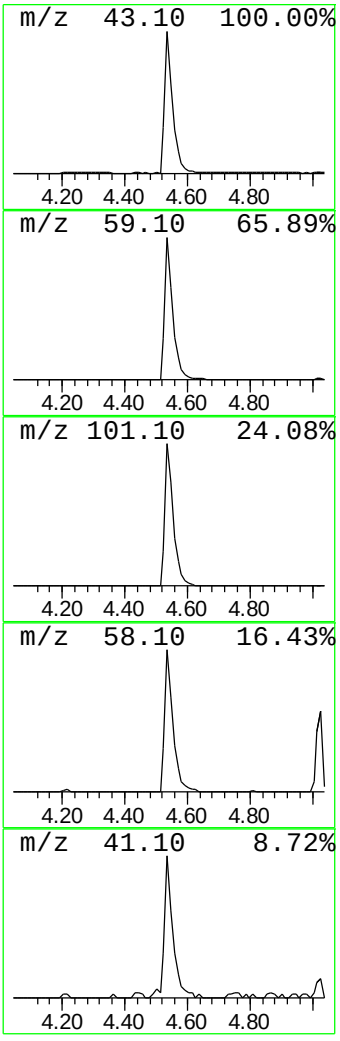
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	15.87 ng	617471	1,4-Dichlorobenzene-d4	6.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

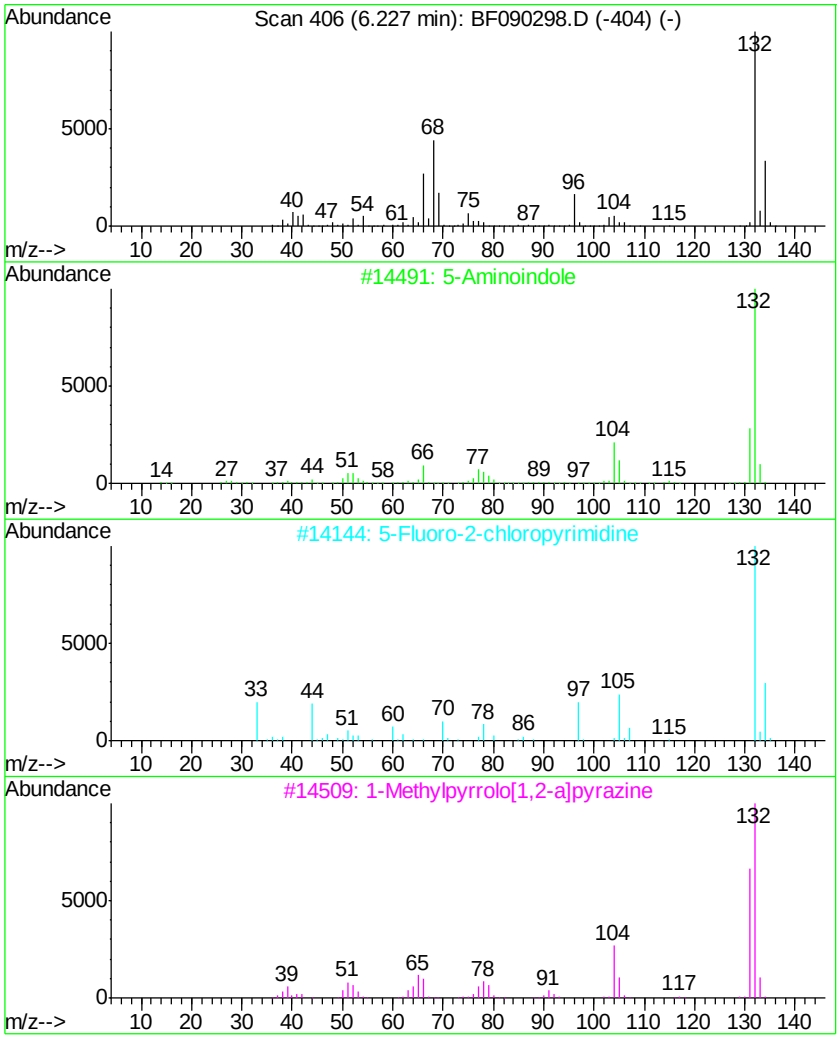
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

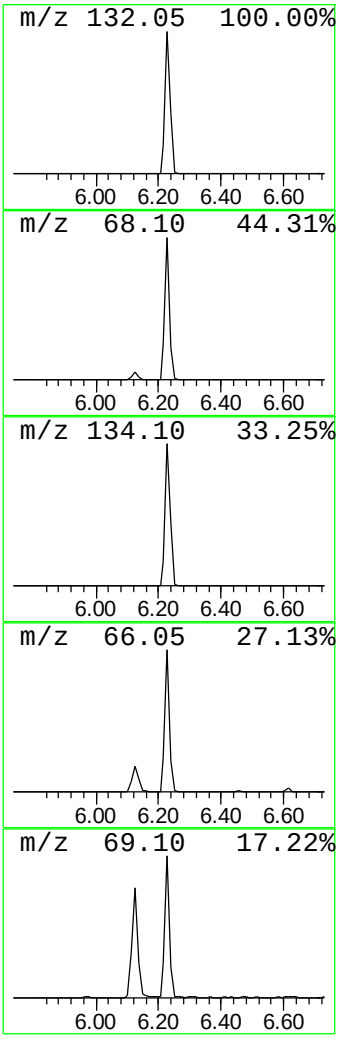
****

Peak Number 3 unknown6.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	71.74 ng	2790300	1,4-Dichlorobenzene-d4	6.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





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Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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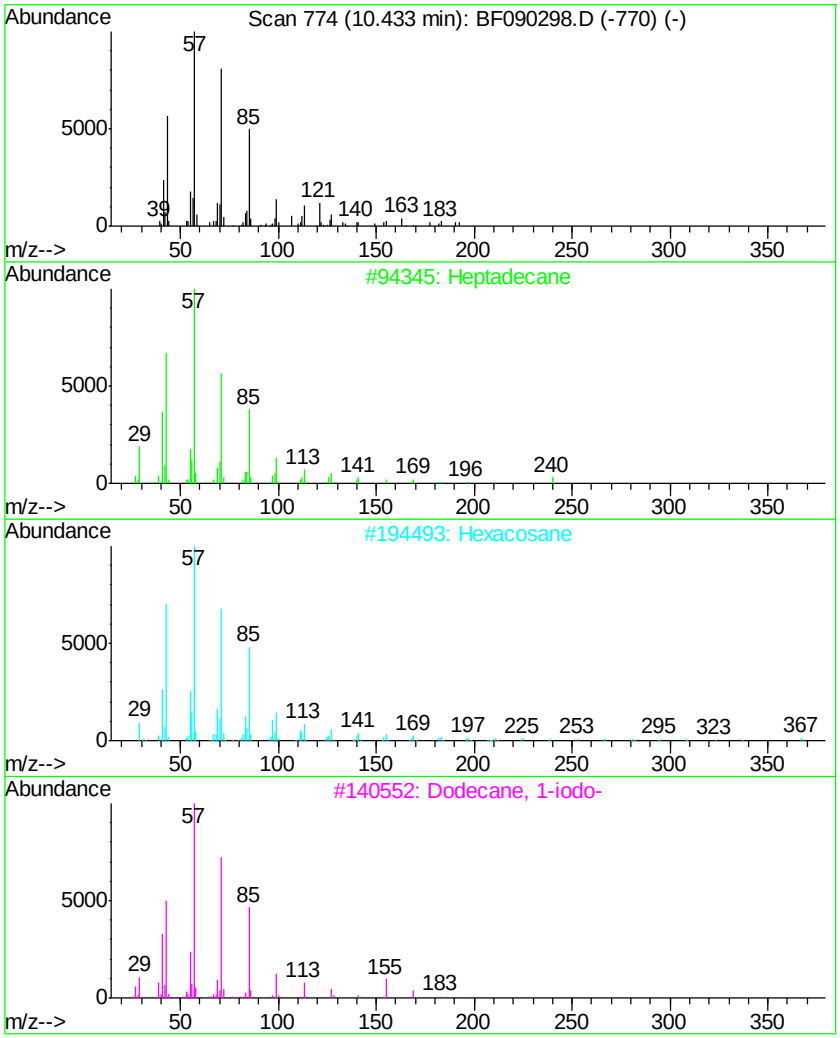
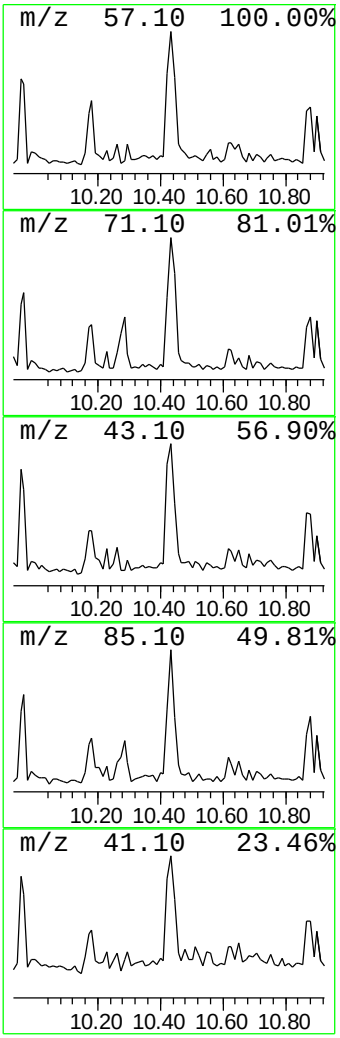
Peak Number 5 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	3.90 ng	199534	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	86
2	Hexacosane	366	C26H54	000630-01-3	86
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Octacosane	394	C28H58	000630-02-4	80
5	Pentadecane	212	C15H32	000629-62-9	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090298.D
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Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

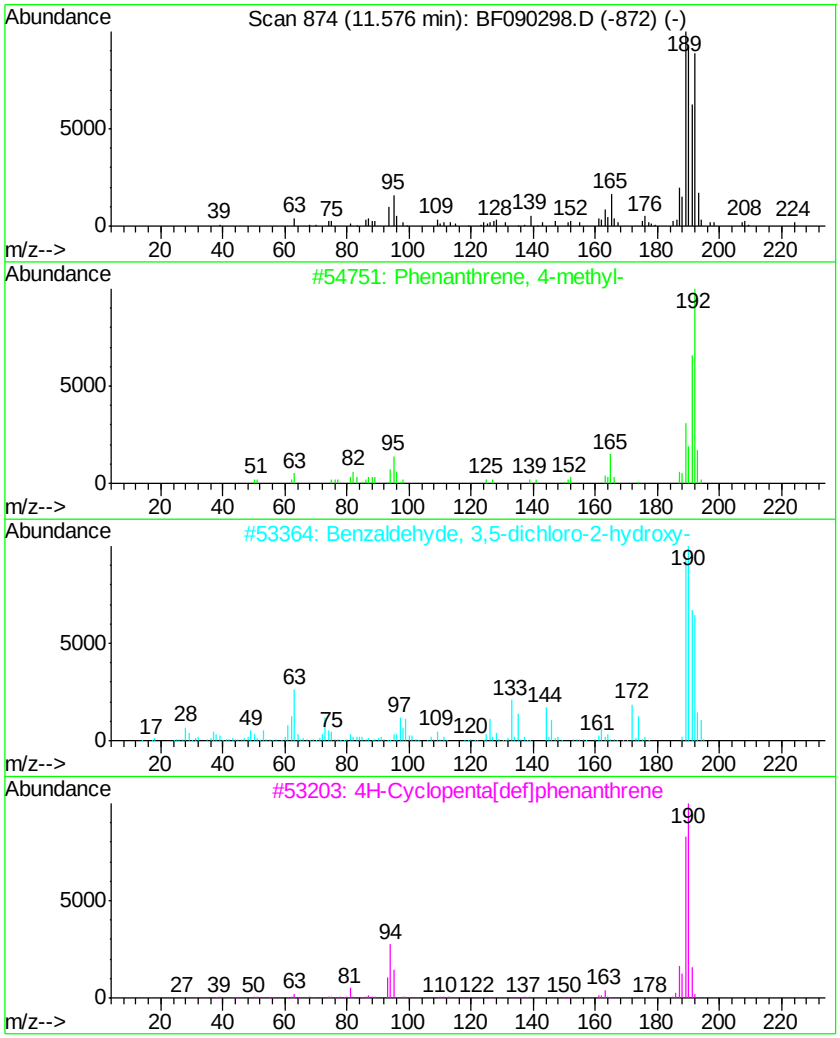
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

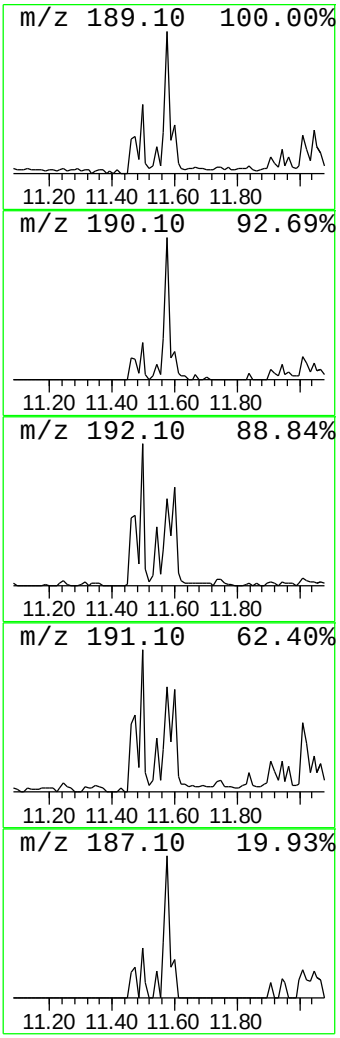
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	2.98 ng	152271	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Operator : UM/SJ
Sample : H4982-11
Misc :
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Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

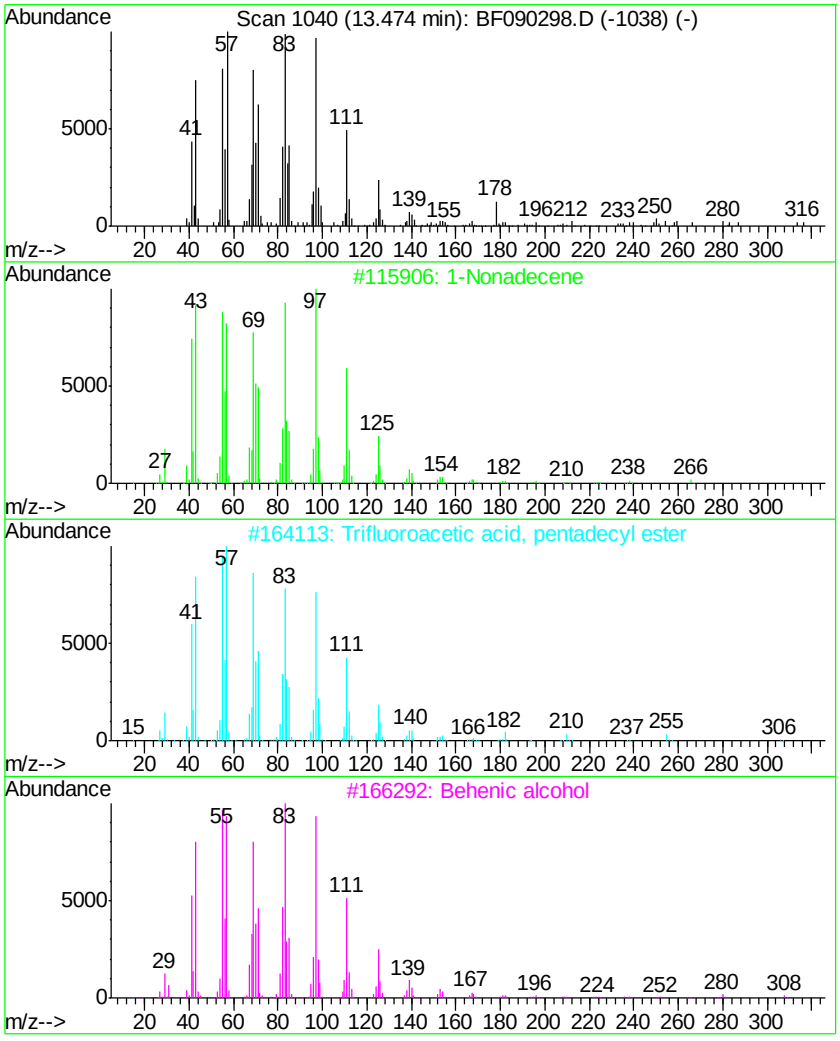
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

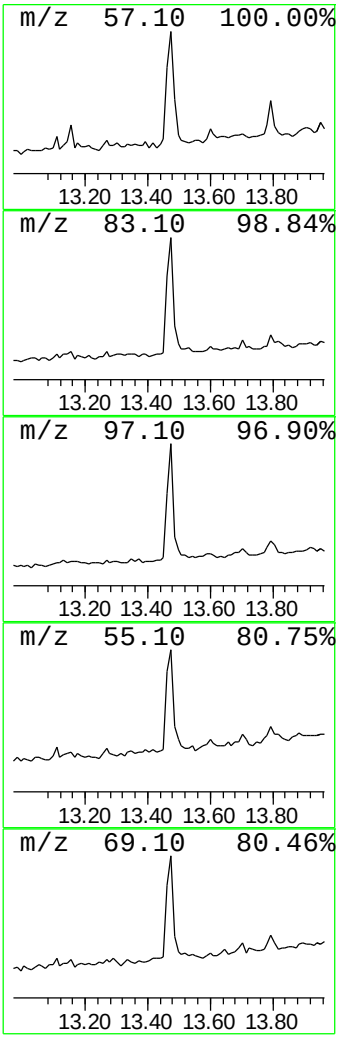
****

Peak Number 7 1-Nonadecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	5.76 ng	265193	Chrysene-d12	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	99
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

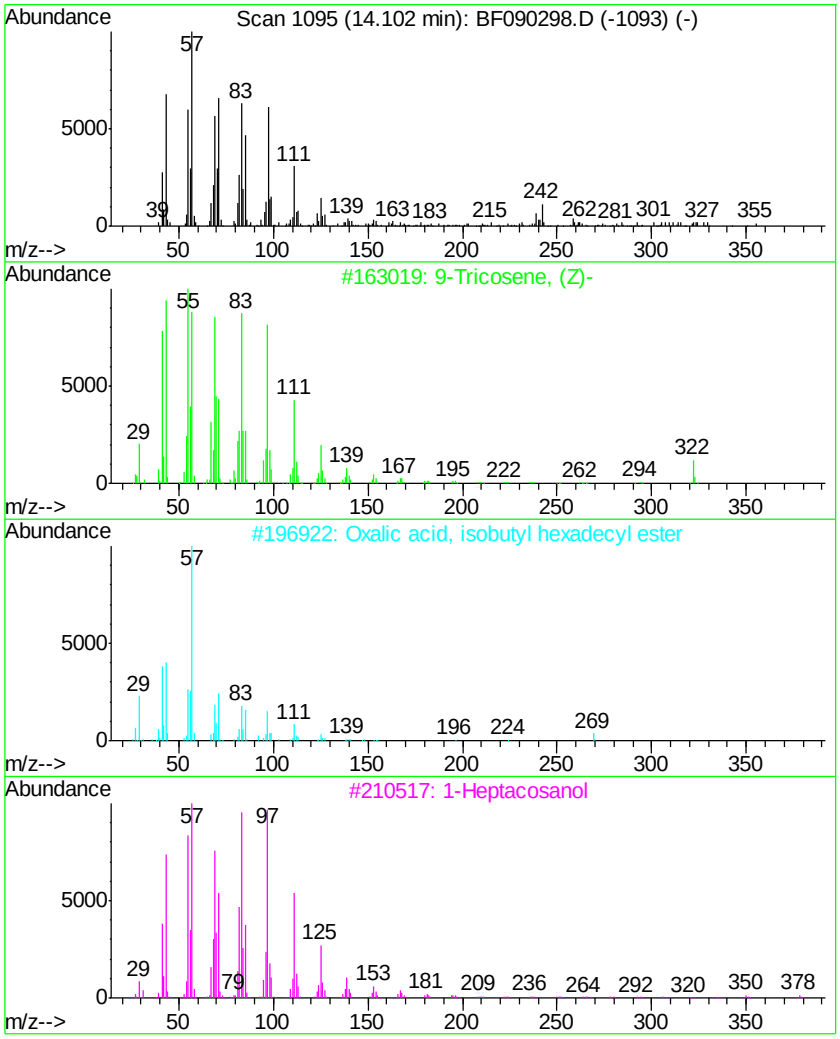
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

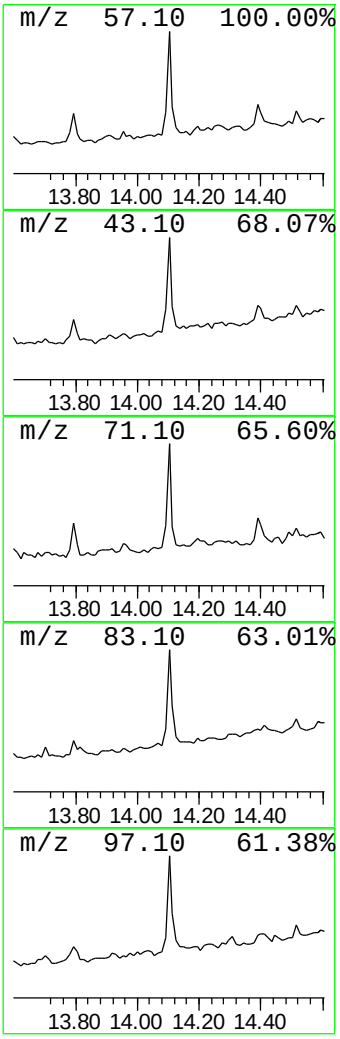
****

Peak Number 8 9-Tricosene, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	5.65 ng	260260	Chrysene-d12	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	92
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	76
3	1-Heptacosanol	396	C27H56O	002004-39-9	76
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	76
5	3-Bromobenzoic acid, pentadecyl ...	410	C22H35BrO2	1000281-95-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-32

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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...	4.54	15.9	ng	617471	1	6.46	777933	20.0
unknown6.23	6.23	71.7	ng	2790300	1	6.46	777933	20.0
Heptadecane	10.43	3.9	ng	199534	4	10.97	1022260	20.0
Phenanthrene, 4-m...	11.58	3.0	ng	152271	4	10.97	1022260	20.0
1-Nonadecene	13.47	5.8	ng	265193	5	13.59	920594	20.0
9-Tricosene, (Z)-	14.10	5.7	ng	260260	5	13.59	920594	20.0