LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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	4	5	57	rVB	2153359	5812119	100.00%	14.627%
2	4.559	257	260	270	rBV	337339	625693	10.77%	1.575%
3	5.039	299	302	305	rBV	2427042	2734603	47.05%	6.882%
4	6.136	395	398	400	rBV	2443217	2777661	47.79%	6.991%
5	6.239	405	407	410	rVV	2442372	2831117	48.71%	7.125%
6	6.479	426	428	430	rBV	536327	673708	11.59%	1.696%
7	6.627	439	441	444	rBV	2048797	2214327	38.10%	5.573%
8	7.050	475	478	480	rBV	1833249	1981262	34.09%	4.986%
9	7.187	487	490	496	rVB	50574	68297	1.18%	0.172%
10	7.759	538	540	545	rBV	933071	943086	16.23%	2.373%
11	8.845	632	635	637	rBV	2746969	3183486	54.77%	8.012%
12	9.245	667	670	672	rBV	798349	954649	16.43%	2.403%
13	9.496	690	692	694	rVV	1048781	1002865	17.25%	2.524%
14	9.531	694	695	697	rVB	129615	96834	1.67%	0.244%
15	9.702	707	710	712	rBV	84218	89760	1.54%	0.226%
16	9.965	731	733	734	rVB	61710	64877	1.12%	0.163%
17	10.045	738	740	742	rVV	72507	82164	1.41%	0.207%
18	10.285	758	761	763	rBV	1722082	1827012	31.43%	4.598%
19	10.434	770	774	777	rBV2	83090	131761	2.27%	0.332%
20	10.868	810	812	814	rBV2	54628	81669	1.41%	0.206%
21	10.971	818	821	822	rBV	729885	1122615	19.32%	2.825%
22	10.994	822	823	825	rVV	847071	607147	10.45%	1.528%
23	11.039	825	827	829	rVB	208576	185601	3.19%	0.467%
24	11.199	840	841	846	rBV	66850	106692	1.84%	0.269%
25	11.462	862	864	865	rBV	110596	101453	1.75%	0.255%
26	11.496	865	867	869	rVV	116859	139957	2.41%	0.352%
27	11.531	869	870	872	rVV2	69114	97138	1.67%	0.244%
28	11.576	872	874	878	rVV2	107610	235042	4.04%	0.592%
29	11.782	889	892	895	rVB2	75872	134902	2.32%	0.340%
30	12.011	909	912	913	rBV	74992	80513	1.39%	0.203%
31	12.045	913	915	918	rVV2	42893	70700	1.22%	0.178%
32	12.091	918	919	923	rVB2	56691	63181	1.09%	0.159%
33	12.159	923	925	928	rBV	689067	789544	13.58%	1.987%
34	12.308	935	938	942	rBV	55266	99045	1.70%	0.249%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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	12.388	942	945	947	rVV	732016	810743	13.95%	2.040%
36	12.457	947	951	954	rVB3	24372	67705	1.16%	0.170%
37	12.548	957	959	962	rVV	1985089	1896985	32.64%	4.774%
38	12.617	962	965	966	rVV2	40811	75118	1.29%	0.189%
39	12.719	969	974	976	rVB2	77739	141342	2.43%	0.356%
40	12.788	976	980	981	rBV2	51670	78401	1.35%	0.197%
41	12.822	981	983	987	rVB2	59300	96368	1.66%	0.243%
42	13.039	1000	1002	1005	rVB2	35284	61948	1.07%	0.156%
43	13.142	1005	1011	1014	rBV5	30346	117675	2.02%	0.296%
44	13.222	1015	1018	1020	rBV	44498	69316	1.19%	0.174%
45	13.325	1025	1027	1028	rBV	73080	82274	1.42%	0.207%
46	13.371	1028	1031	1032	rVV2	30155	61426	1.06%	0.155%
47	13.462	1037	1039	1045	rBV2	178948	212560	3.66%	0.535%
48	13.577	1046	1049	1055	rVB2	897407	1476979	25.41%	3.717%
49	13.965	1080	1083	1084	rVV	55304	73440	1.26%	0.185%
50	14.102	1092	1095	1098	rVB4	48633	88299	1.52%	0.222%
51	14.560	1133	1135	1139	rBV	326619	589605	10.14%	1.484%
52	14.800	1154	1156	1158	rBV	156310	191757	3.30%	0.483%
53	14.845	1158	1160	1162	rBV	273906	268983	4.63%	0.677%
54	14.891	1162	1164	1169	rBV	494540	803016	13.82%	2.021%
55	15.691	1232	1234	1239	rBV4	22561	65747	1.13%	0.165%
56	16.034	1261	1264	1268	rVB2	102471	194768	3.35%	0.490%
57	16.366	1290	1293	1300	rVB	96085	199811	3.44%	0.503%

Sum of corrected areas: 39734746

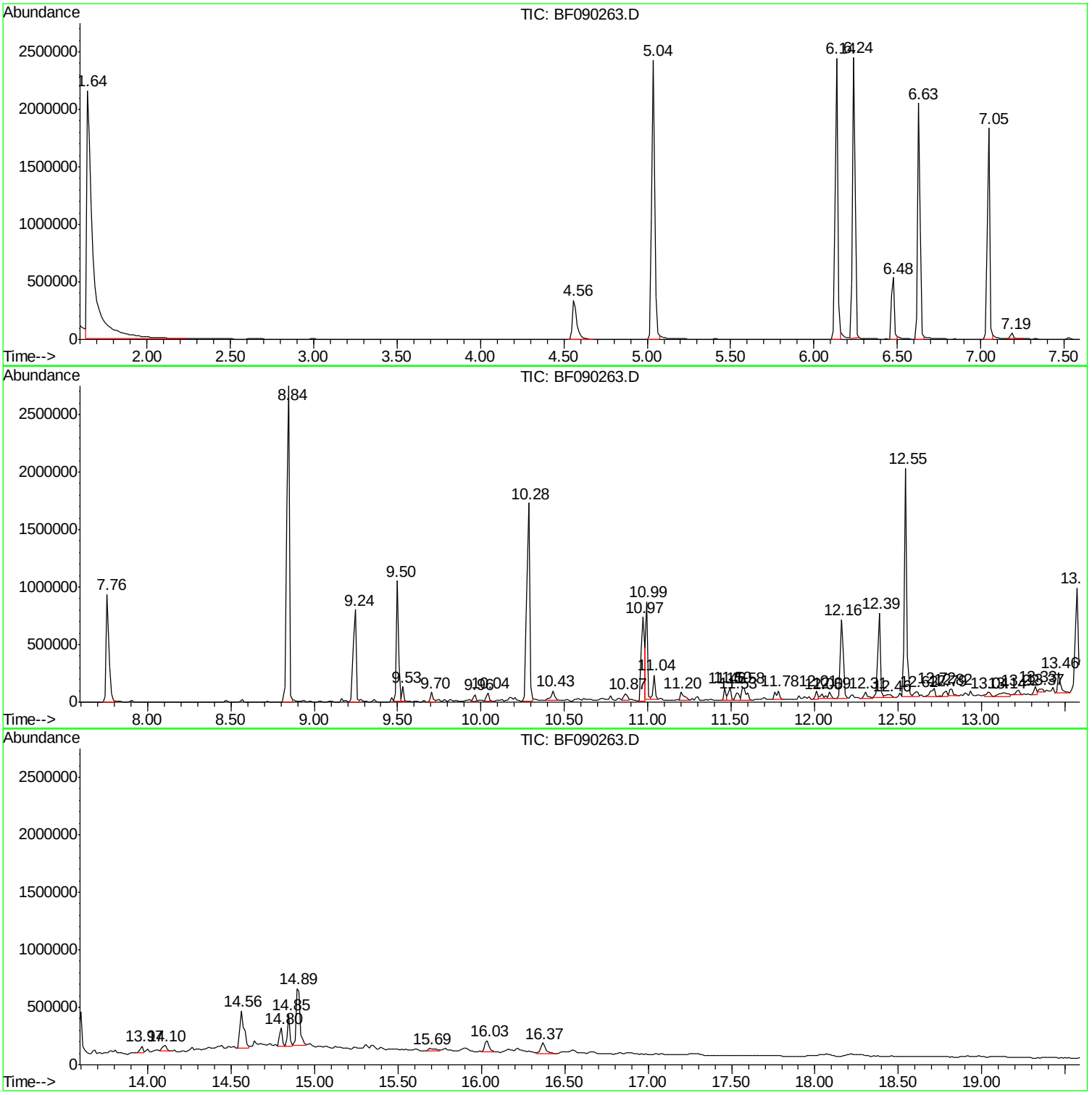
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

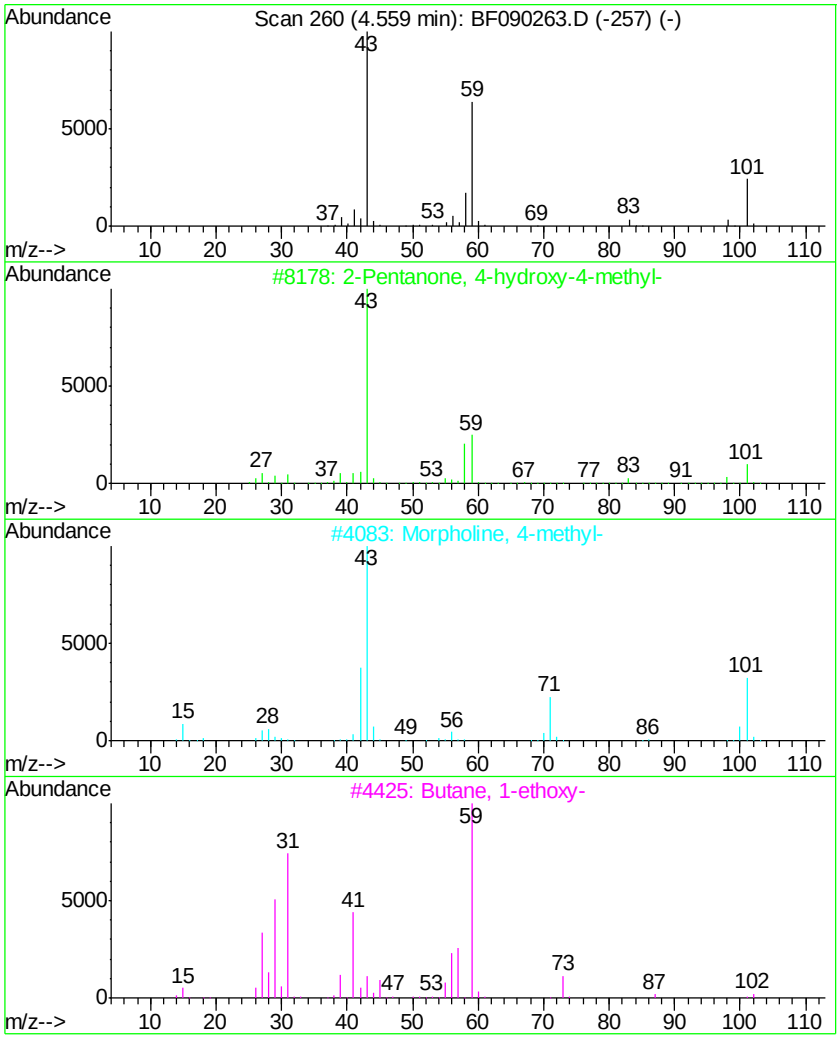
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

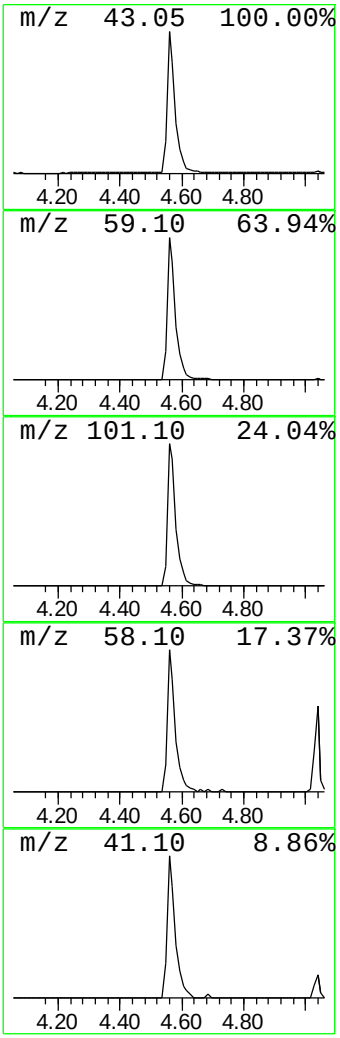
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	18.57 ng	625693	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

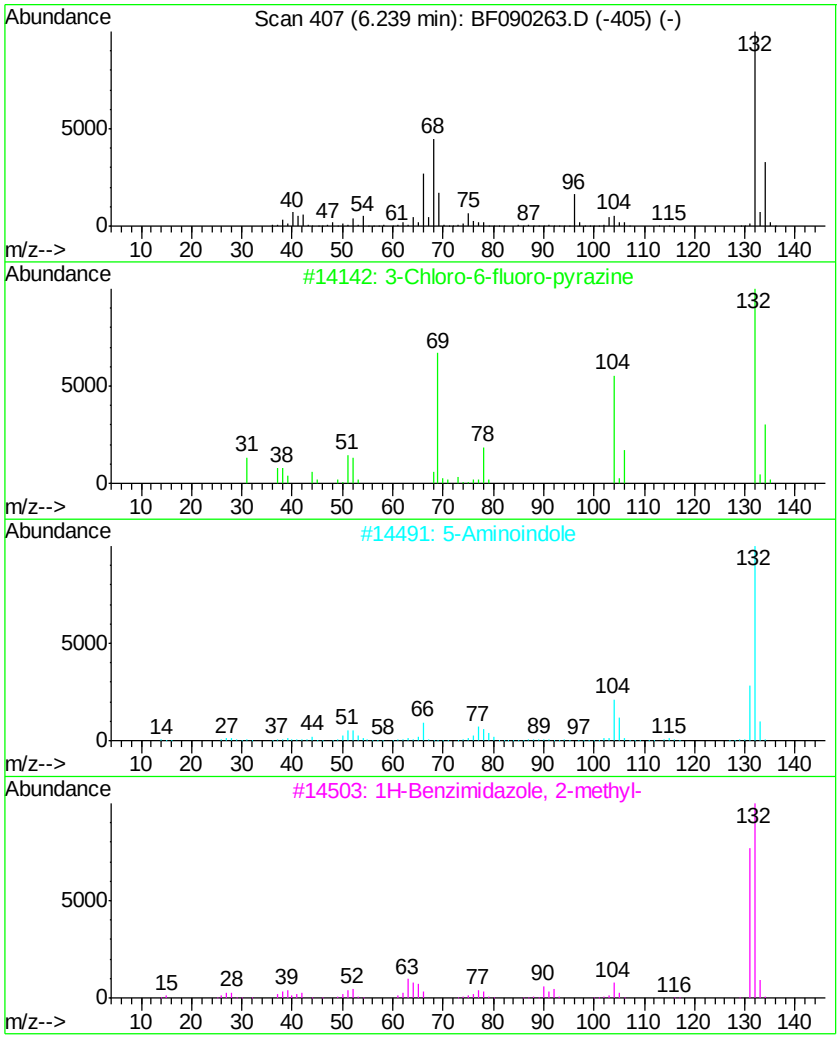
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

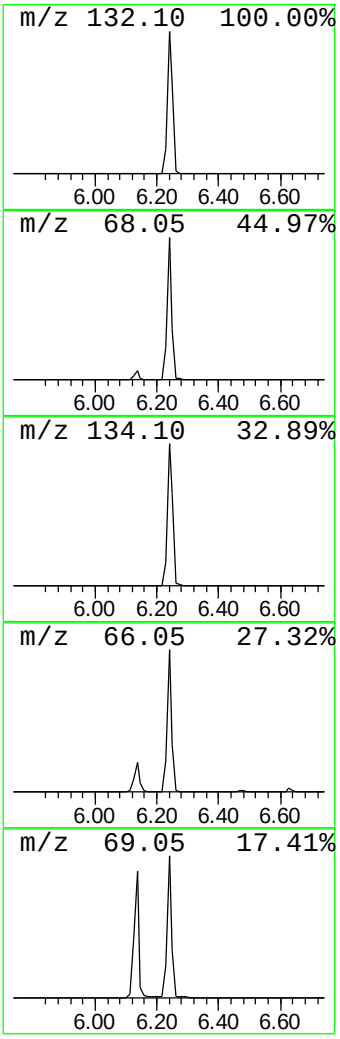
****

Peak Number 3 unknown6.24 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	84.05 ng	2831120	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

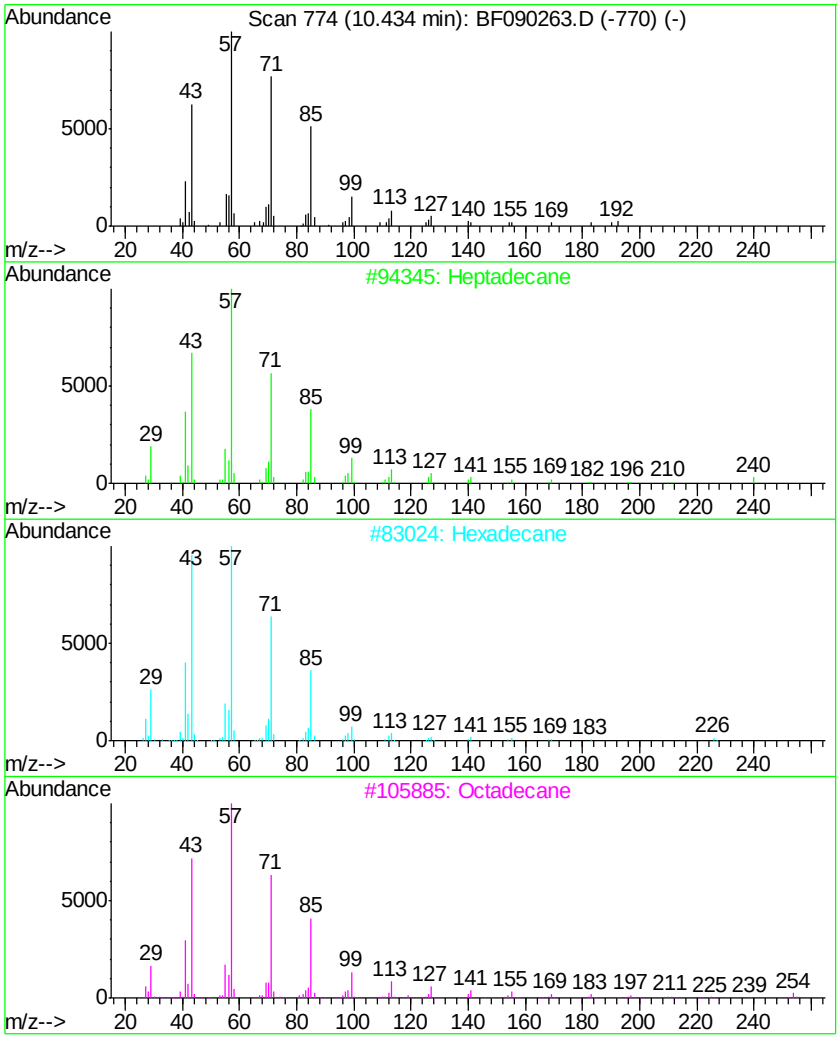
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

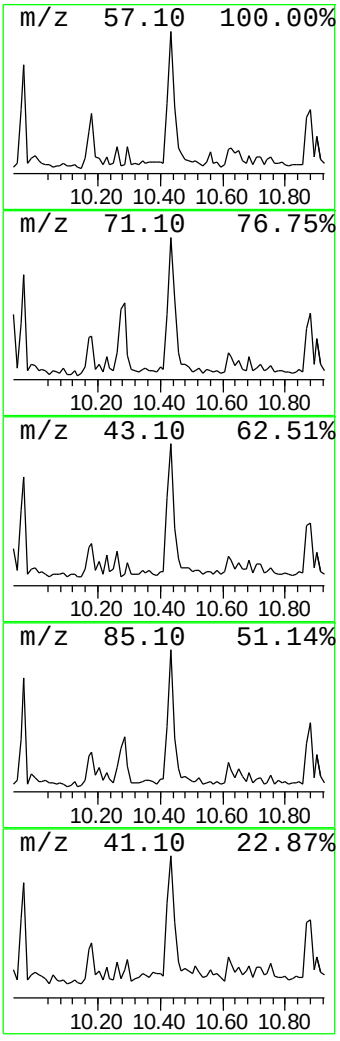
****

Peak Number 5 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.35 ng	131761	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Octadecane	254	C18H38	000593-45-3	90
4	Tritetracontane	605	C43H88	007098-21-7	90
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

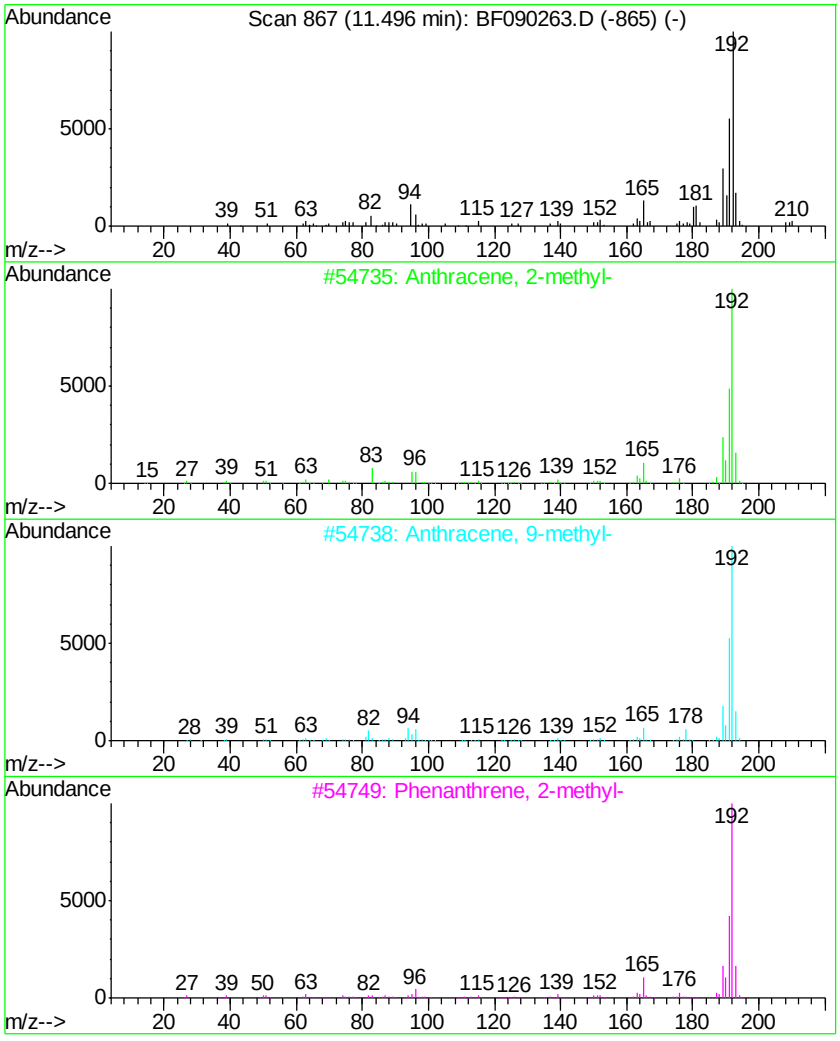
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

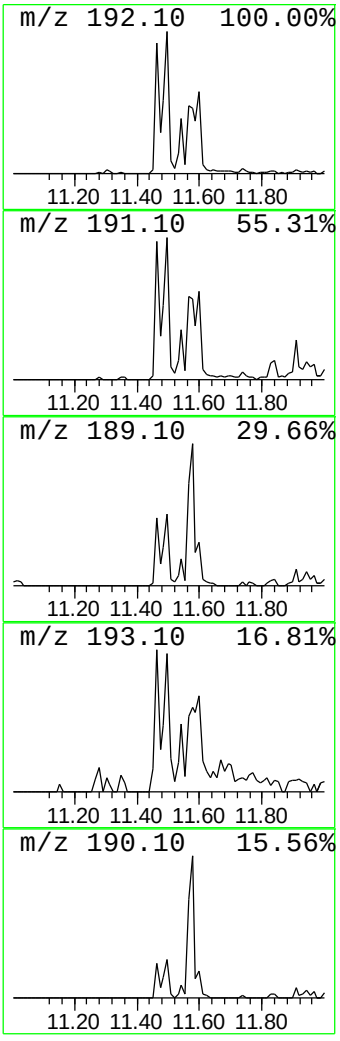
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	2.49 ng	139957	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

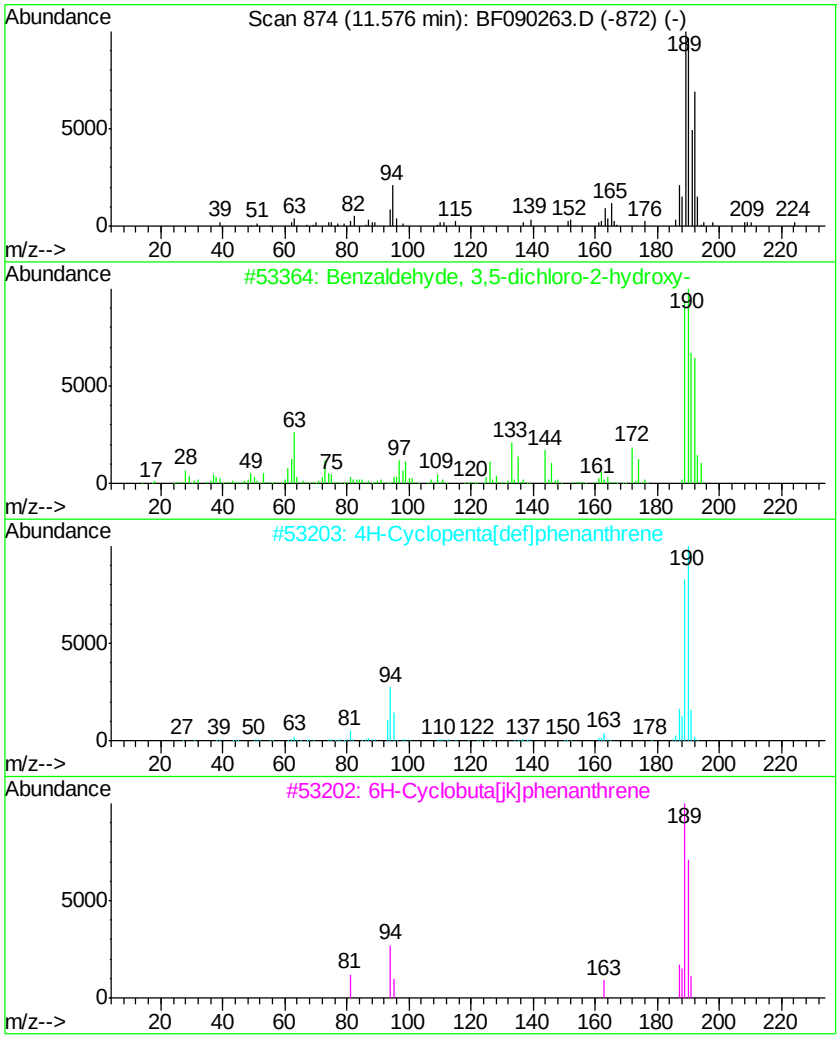
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

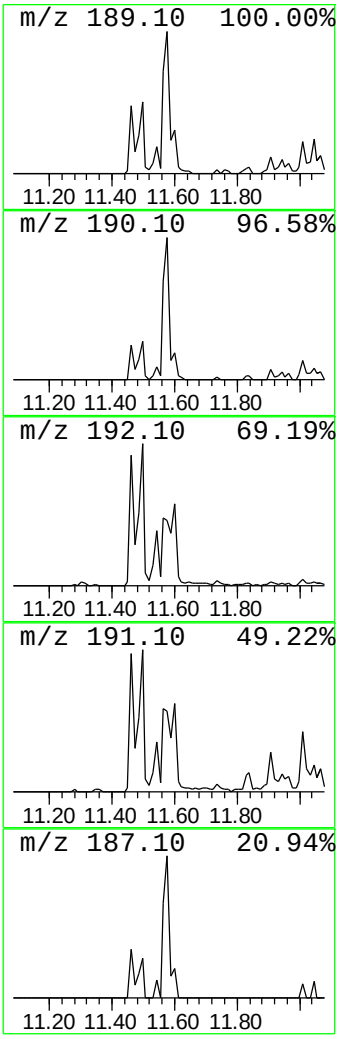
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	4.19 ng	235042	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

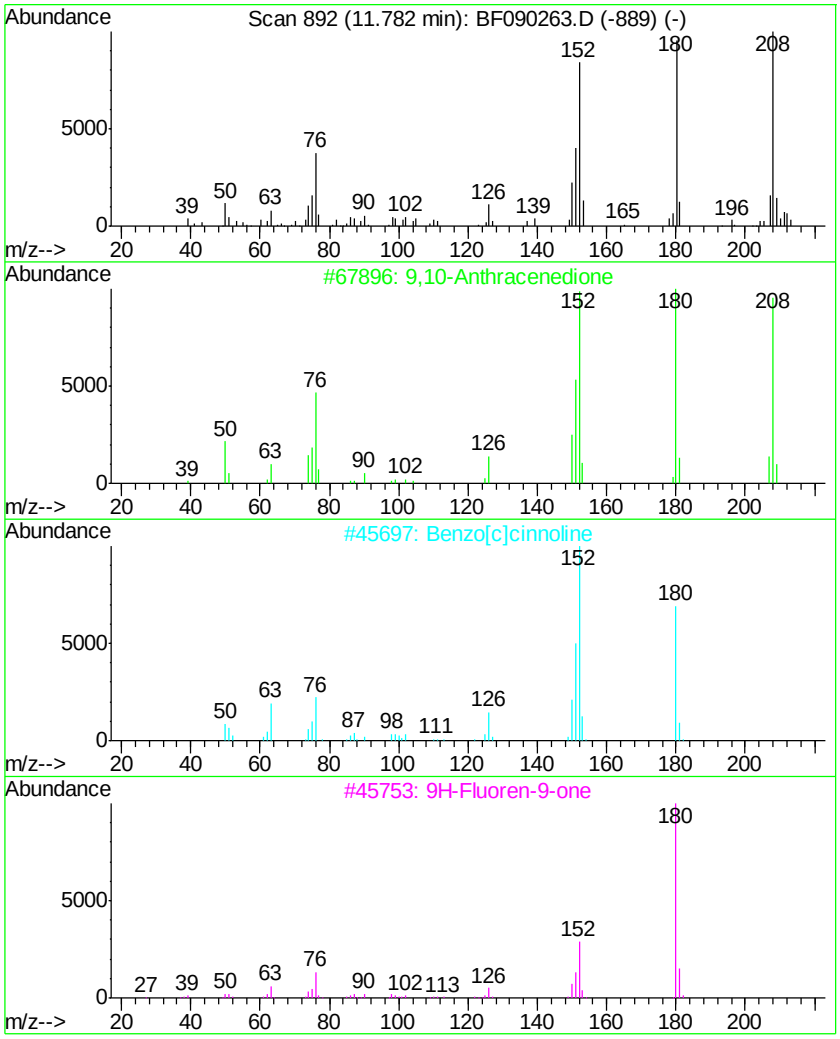
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

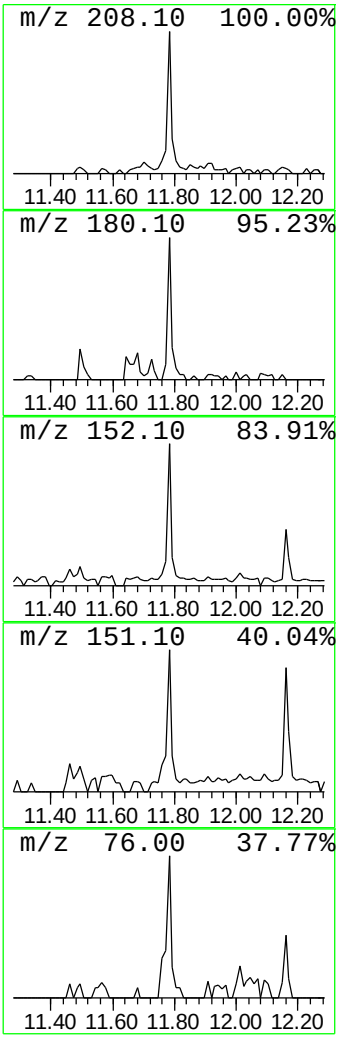
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.40 ng	134902	Phenanthrene-d10	10.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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

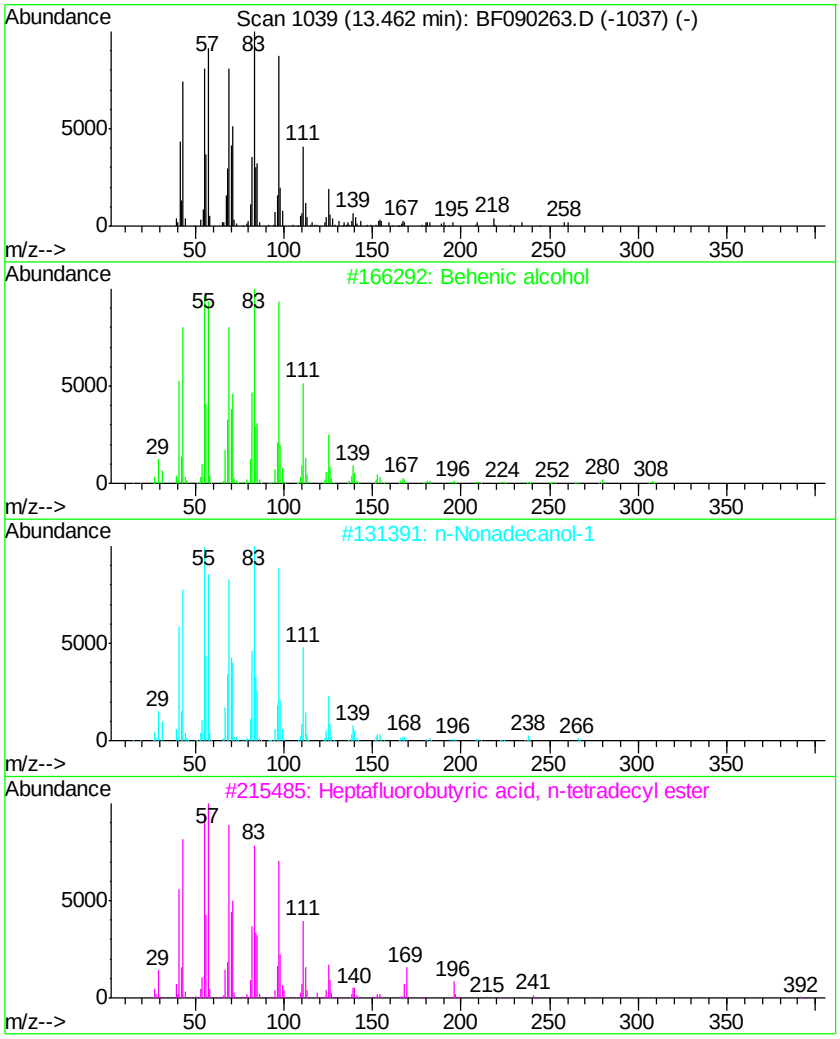
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

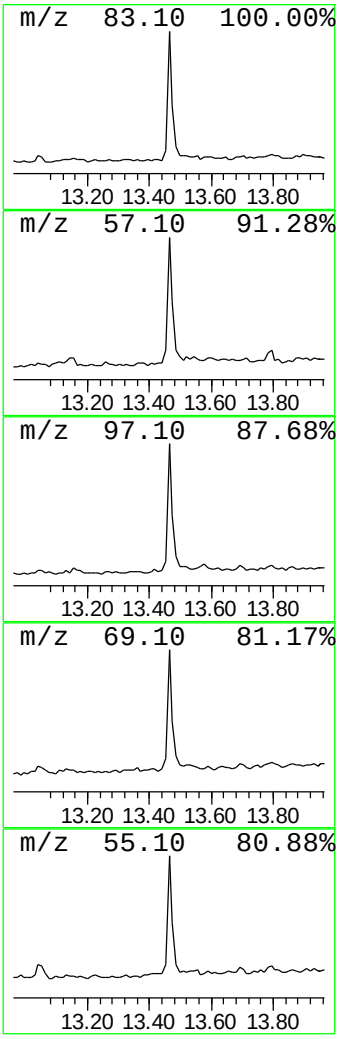
****

Peak Number 9 Behenic alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.88 ng	212560	Chrysene-d12	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
Data File : BF090263.D
Acq On : 27 Sep 2016 20:27
Operator : UM/SJ
Sample : H4949-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-2-LOC-1(10-15)

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...	4.56	18.6	ng	625693	1	6.48	673708	20.0
unknown6.24	6.24	84.0	ng	2831120	1	6.48	673708	20.0
Heptadecane	10.43	2.4	ng	131761	4	10.97	1122620	20.0
Anthracene, 2-met...	11.50	2.5	ng	139957	4	10.97	1122620	20.0
Benzaldehyde, 3,5...	11.58	4.2	ng	235042	4	10.97	1122620	20.0
9,10-Anthracenedione	11.78	2.4	ng	134902	4	10.97	1122620	20.0
Behenic alcohol	13.46	2.9	ng	212560	5	13.58	1476980	20.0