LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

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-BF012417.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	4.830	237	240	246	rVB	28918	53099	1.07%	0.119%
2	5.161	266	269	277	rVB	1404477	2161130	43.46%	4.830%
3	5.573	301	305	307	rBV	3724128	4972826	100.00%	11.114%
4	6.590	390	394	396	rBV	3991203	4667821	93.87%	10.433%
5	6.739	404	407	409	rBV	3661484	4754522	95.61%	10.626%
6	6.967	424	427	429	rBV	1168868	968940	19.48%	2.166%
7	7.127	438	441	443	rBV	3647807	3525328	70.89%	7.879%
8	7.527	473	476	479	rBV	2212806	3076031	61.86%	6.875%
9	8.259	537	540	542	rBV	1404740	1268975	25.52%	2.836%
10	9.345	632	635	637	rBV	4293323	4317439	86.82%	9.649%
11	9.733	667	669	672	rVB	417331	475313	9.56%	1.062%
12	10.019	692	694	696	rBV	948920	1248214	25.10%	2.790%
13	10.465	731	733	735	rVB	69173	65369	1.31%	0.146%
14	10.819	761	764	766	rBV	2191911	2475498	49.78%	5.533%
15	10.933	773	774	779	rVB	101782	135445	2.72%	0.303%
16	11.391	810	814	815	rBV	93351	97355	1.96%	0.218%
17	11.516	823	825	826	rBV	1366408	1201534	24.16%	2.685%
18	11.539	826	827	829	rVB	252031	181101	3.64%	0.405%
19	11.814	850	851	853	rBV	82270	73250	1.47%	0.164%
20	12.019	867	869	870	rBV	65756	59528	1.20%	0.133%
21	12.042	870	871	873	rVV	125584	147894	2.97%	0.331%
22	12.134	877	879	883	rVB2	65397	137977	2.77%	0.308%
23	12.316	892	895	899	rVB5	36460	71064	1.43%	0.159%
24	12.568	914	917	919	rBV	96743	101131	2.03%	0.226%
25	12.602	919	920	923	rVB2	33074	53366	1.07%	0.119%
26	12.728	929	931	934	rVB	427282	373232	7.51%	0.834%
27	12.831	938	940	943	rBV4	35534	51809	1.04%	0.116%
28	12.957	948	951	954	rBV	408527	415166	8.35%	0.928%
29	13.105	962	964	967	rVB	2741377	3234175	65.04%	7.228%
30	13.174	967	970	974	rVB3	40149	70815	1.42%	0.158%
31	13.288	974	980	981	rBV	56117	107235	2.16%	0.240%
32	13.391	987	989	990	rBV	63009	61634	1.24%	0.138%
33	13.654	1009	1012	1014	rBV	88945	102763	2.07%	0.230%
34	13.791	1021	1024	1028	rVB	46803	63752	1.28%	0.142%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.905	1031	1034	1035	rBV2	36184	65905	1.33%	0.147%
36	13.997	1040	1042	1047	rVB	152783	229568	4.62%	0.513%
37	14.157	1053	1056	1057	rBV2	1044299	1276569	25.67%	2.853%
38	14.534	1085	1089	1091	rBV	39936	92775	1.87%	0.207%
39	14.637	1094	1098	1099	rBV3	50942	77283	1.55%	0.173%
40	14.740	1104	1107	1110	rVV5	21643	55895	1.12%	0.125%
41	14.797	1110	1112	1114	rVV	47833	66623	1.34%	0.149%
42	14.945	1122	1125	1126	rBV2	25372	54045	1.09%	0.121%
43	15.025	1130	1132	1135	rVB3	39803	65540	1.32%	0.146%
44	15.197	1144	1147	1152	rBV	140467	312533	6.28%	0.699%
45	15.300	1153	1156	1162	rVB2	78142	139708	2.81%	0.312%
46	15.505	1171	1174	1177	rVB	88939	120626	2.43%	0.270%
47	15.562	1177	1179	1182	rBV	115302	144165	2.90%	0.322%
48	15.631	1182	1185	1188	rBV	654513	874553	17.59%	1.955%
49	16.134	1226	1229	1231	rBV3	29931	62222	1.25%	0.139%
50	16.180	1231	1233	1239	rVB5	32398	70919	1.43%	0.159%
51	17.105	1310	1314	1320	rVB2	47640	104046	2.09%	0.233%
52	17.346	1333	1335	1342	rVB5	19489	52452	1.05%	0.117%
53	17.551	1349	1353	1360	rVB	43229	106564	2.14%	0.238%

Sum of corrected areas: 44742722

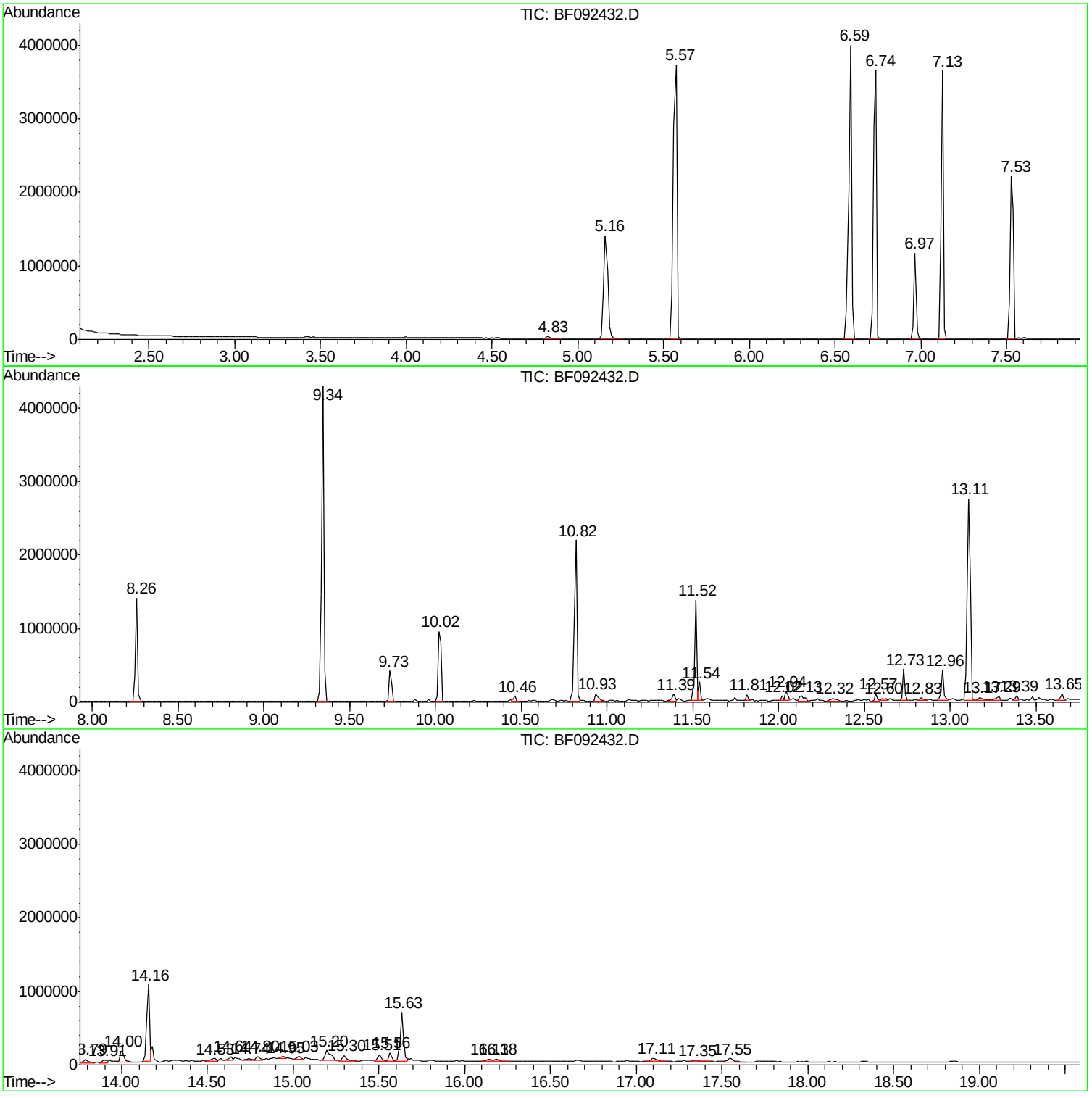
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

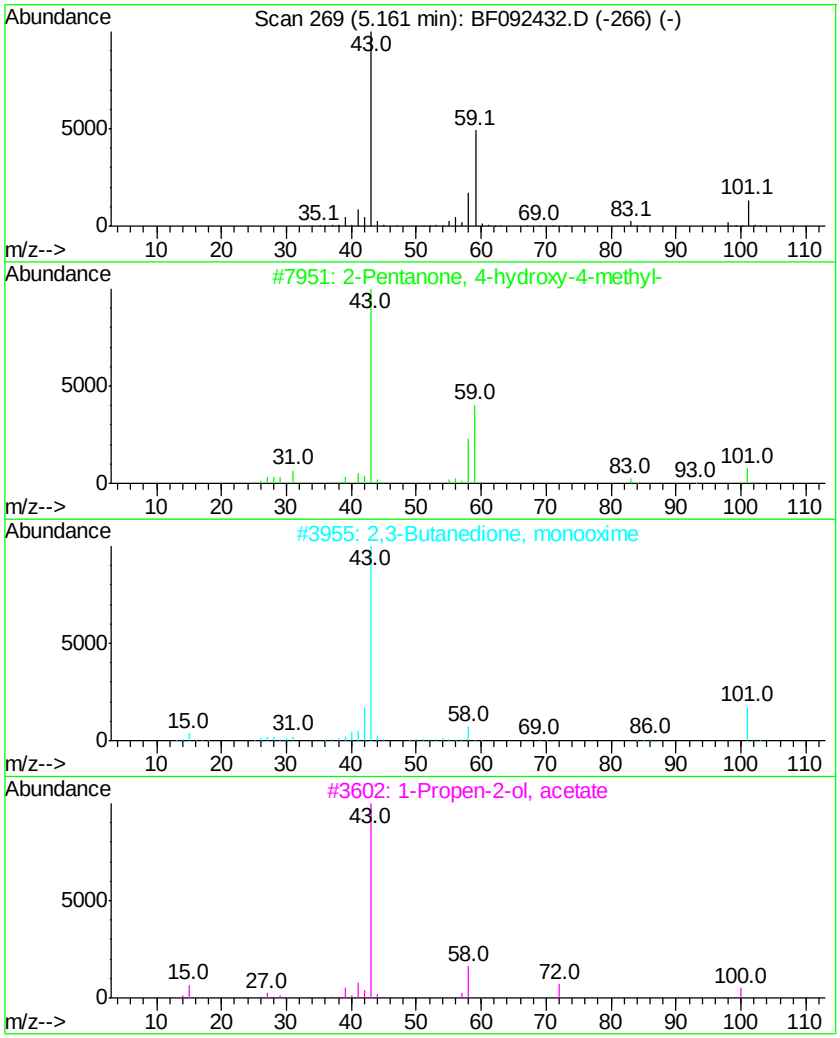
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

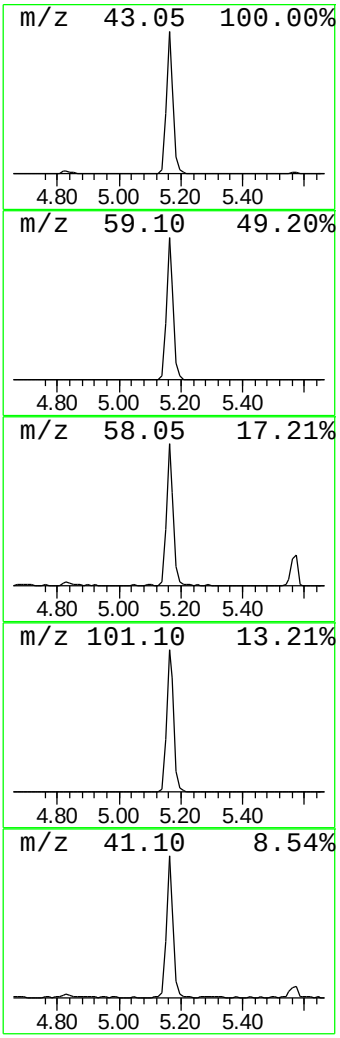
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	44.61 ng	2161130	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetone	58	C3H6O	000067-64-1	7
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

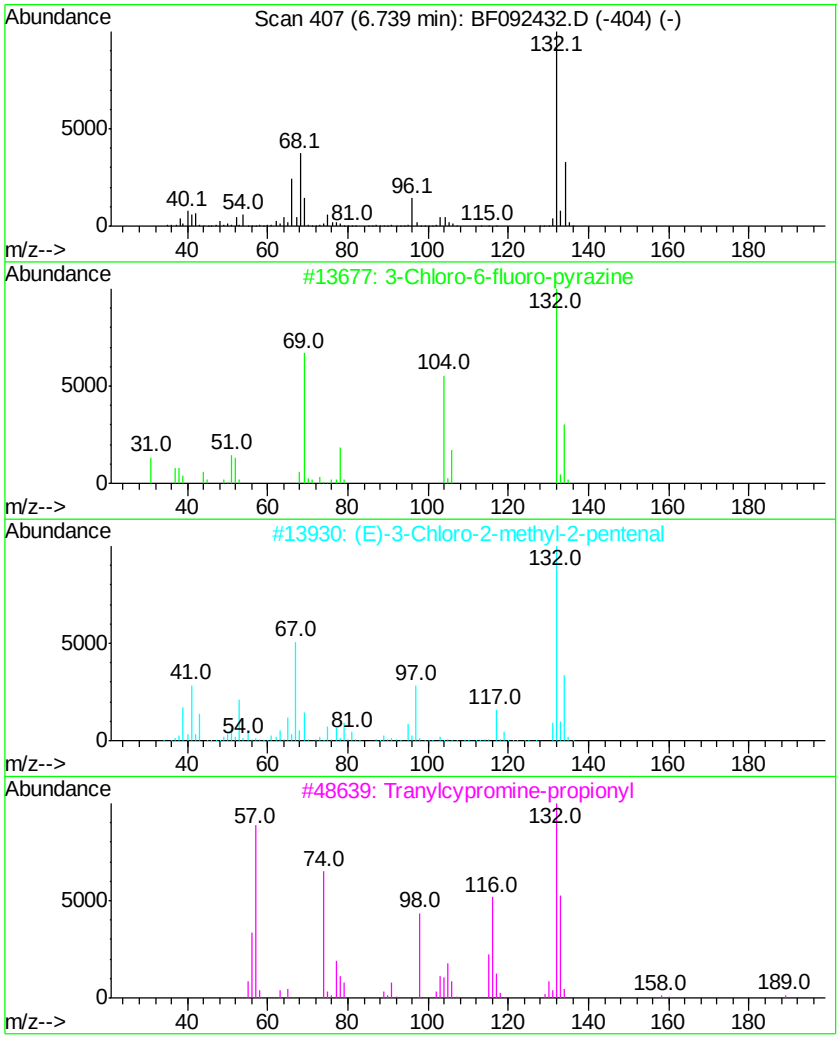
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

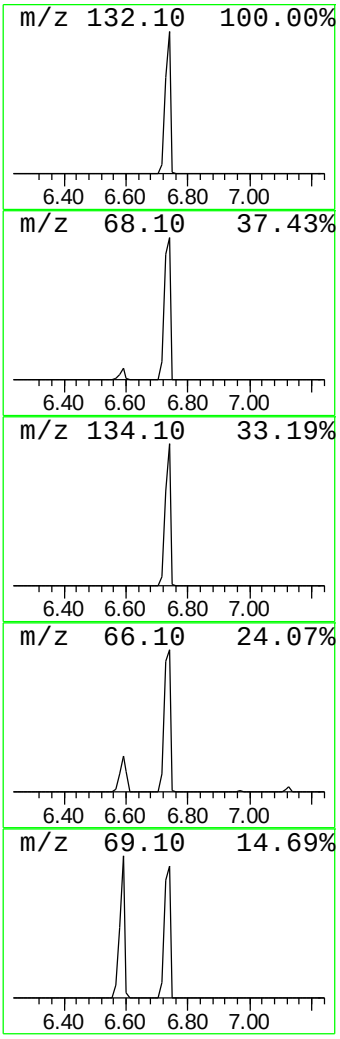
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	98.14 ng	4754520	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	16
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

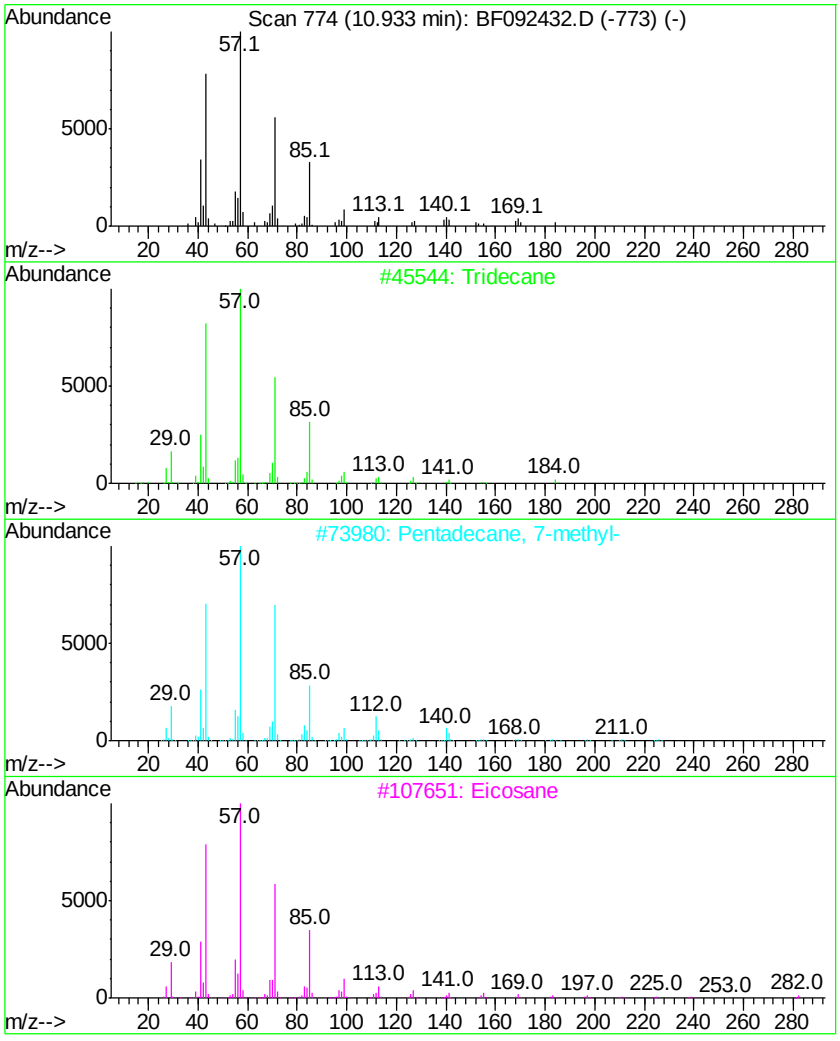
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

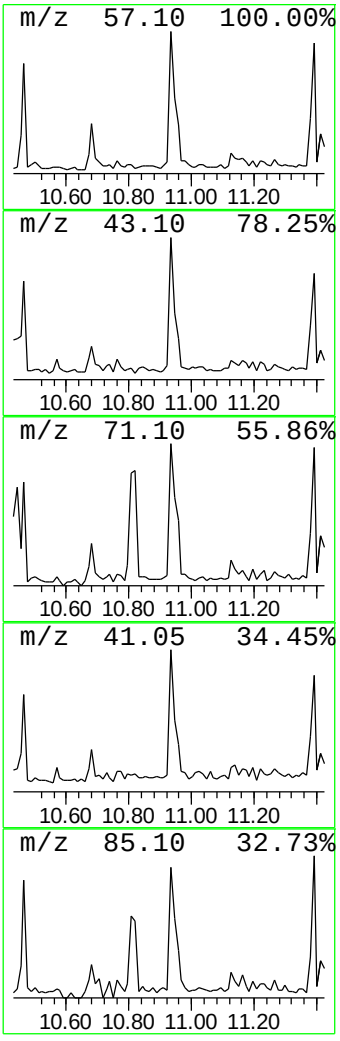
****

Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.25 ng	135445	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Dodecane	170	C12H26	000112-40-3	80
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

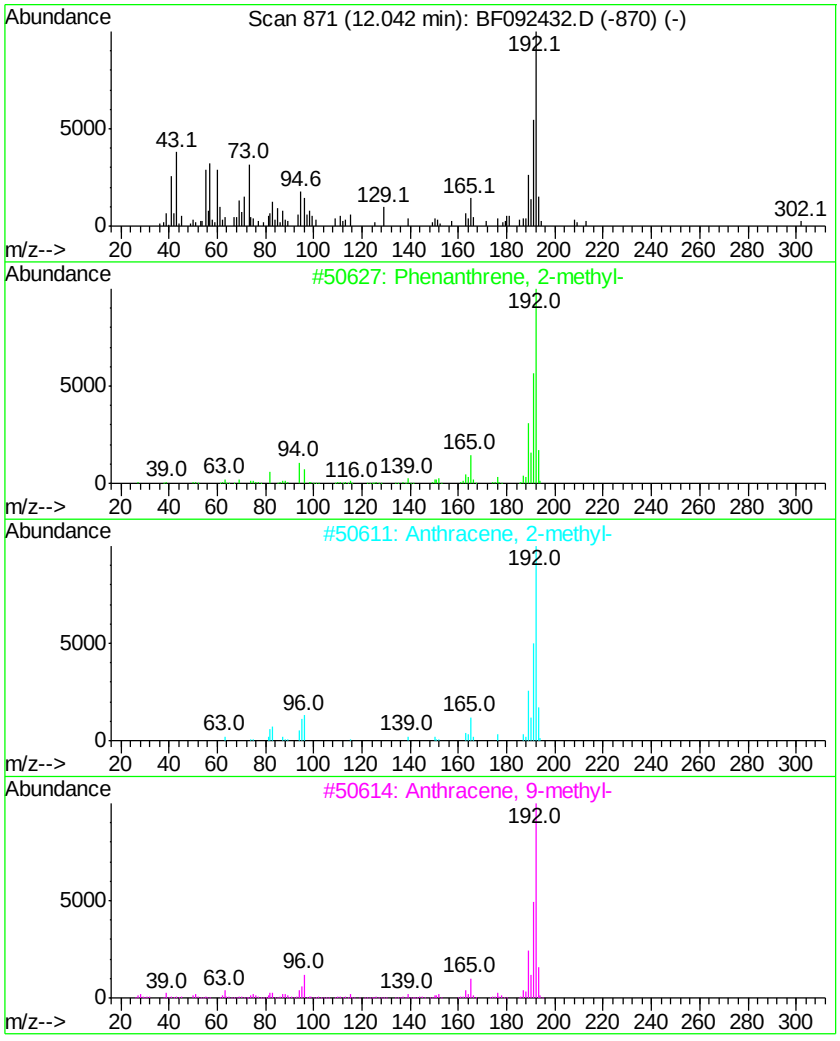
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

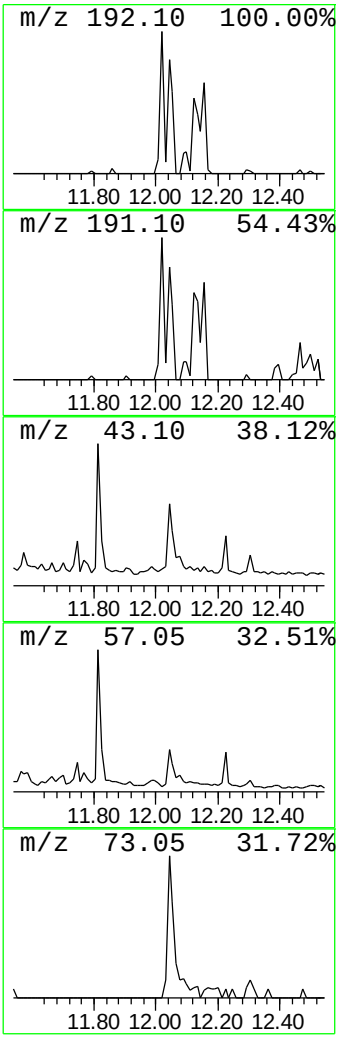
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.46 ng	147894	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





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Data File : BF092432.D
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Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

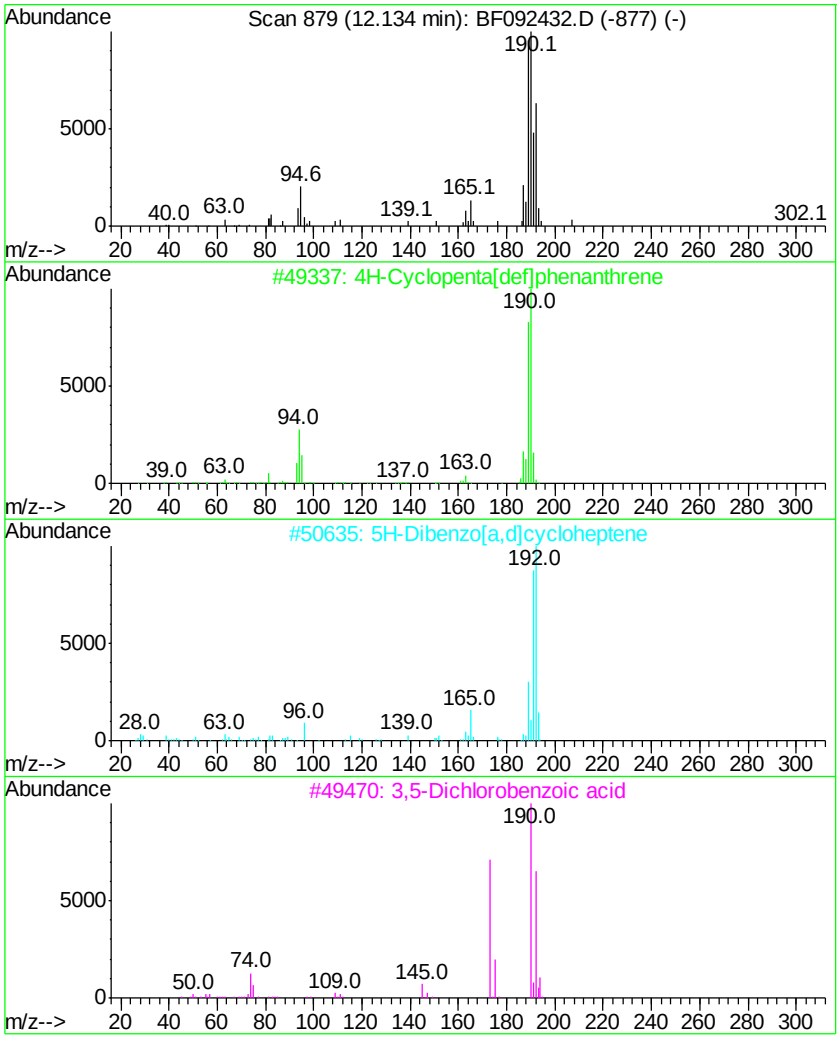
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

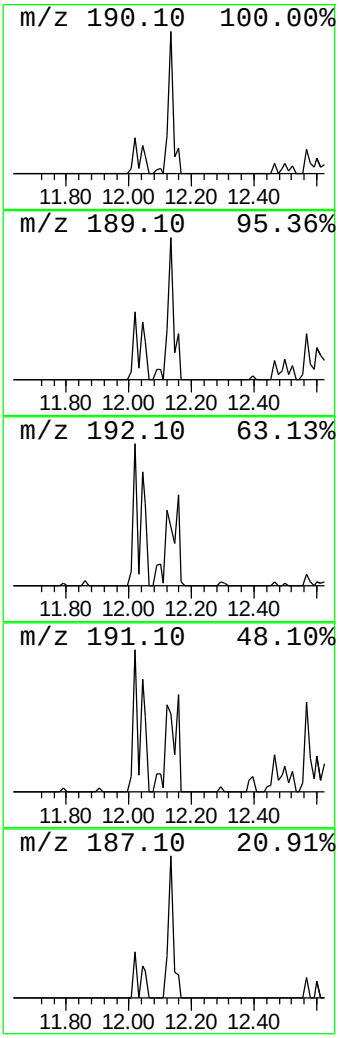
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.30 ng	137977	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

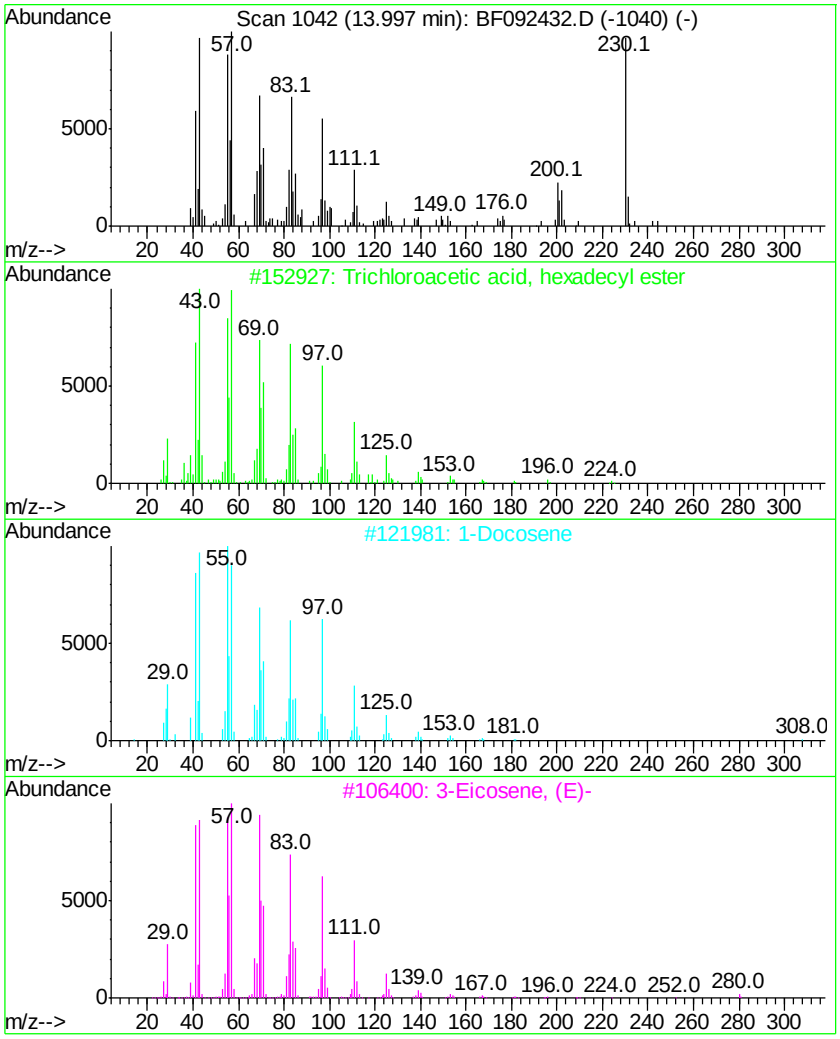
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

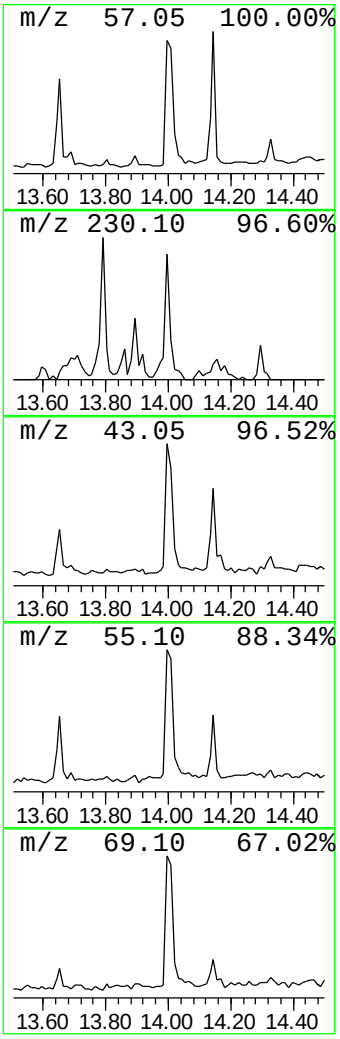
****

Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.60 ng	229568	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2	1-Docosene	308	C22H44	001599-67-3	90
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	55
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	55
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

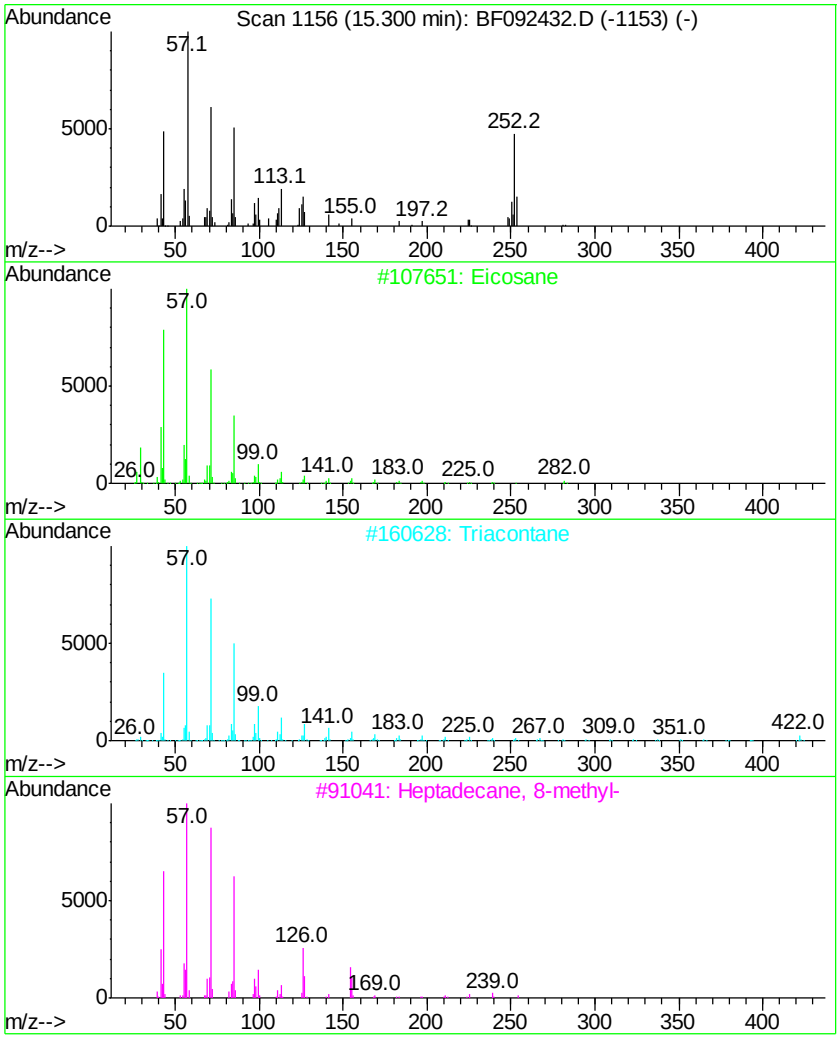
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

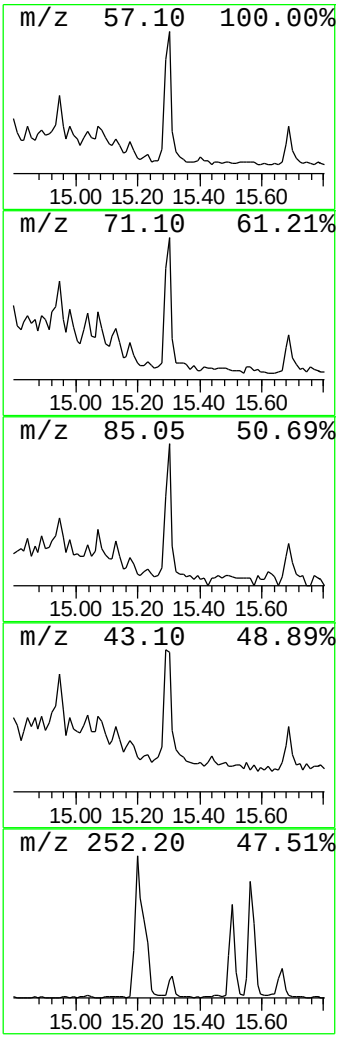
****

Peak Number 8 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.19 ng	139708	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	52
2	Triacontane	422	C30H62	000638-68-6	46
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	43
4	Heneicosane	296	C21H44	000629-94-7	41
5	Tetratetracontane	619	C44H90	007098-22-8	41





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

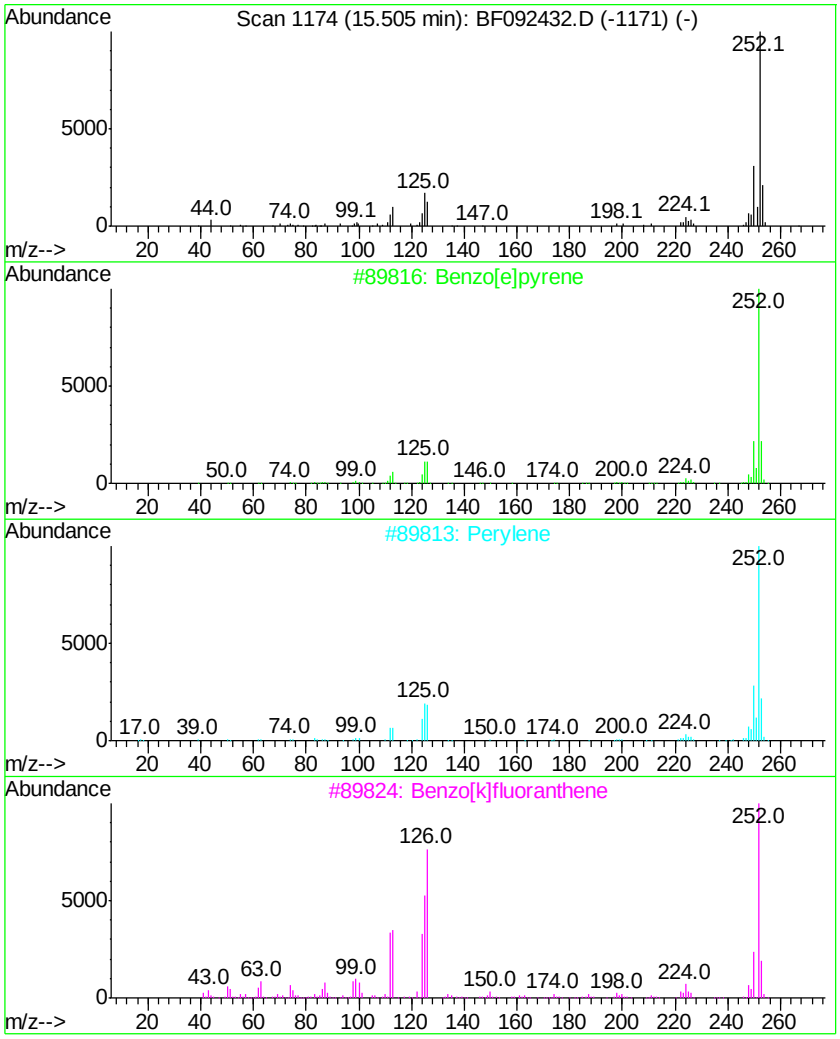
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

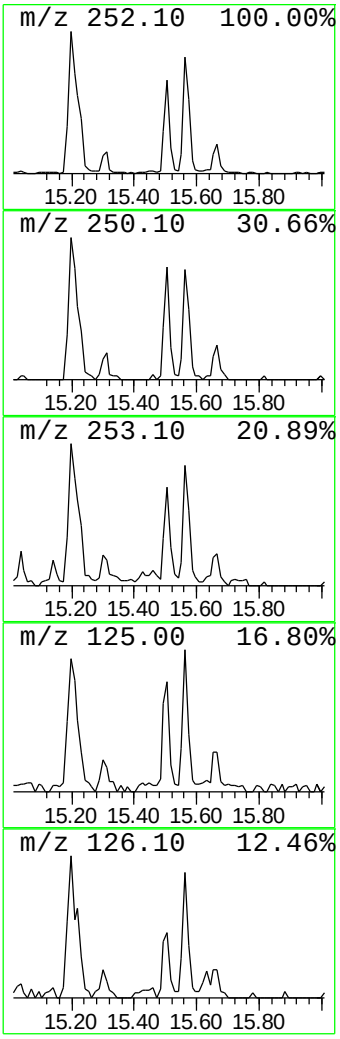
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	2.76 ng	120626	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
Data File : BF092432.D
Acq On : 24 Jan 2017 16:47
Operator : UM/SJ
Sample : I1304-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-15939-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.16	44.6	ng	2161130	1	6.97	968940	20.0
unknown6.74	6.74	98.1	ng	4754520	1	6.97	968940	20.0
Tridecane	10.93	2.3	ng	135445	4	11.52	1201530	20.0
Phenanthrene, 2-m...	12.04	2.5	ng	147894	4	11.52	1201530	20.0
4H-Cyclopenta[def...	12.13	2.3	ng	137977	4	11.52	1201530	20.0
Trichloroacetic a...	14.00	3.6	ng	229568	5	14.16	1276570	20.0
Eicosane	15.30	3.2	ng	139708	6	15.63	874553	20.0
Benzo[e]pyrene	15.51	2.8	ng	120626	6	15.63	874553	20.0