LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093208.D
Acq On : 27 Feb 2017 14:53
Operator : SJ/MA
Sample : I1972-10 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

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-BF013017.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	4.967	250	252	260	rBV	189912	292098	11.72%	1.280%
2	5.424	290	292	300	rBV	597971	747847	30.00%	3.276%
3	6.476	382	384	392	rBV	729718	816020	32.74%	3.575%
4	6.602	392	395	397	rVV	609573	772271	30.98%	3.383%
5	6.647	397	399	403	rVB2	13951	25795	1.03%	0.113%
6	6.830	412	415	417	rBV	913644	941756	37.78%	4.125%
7	6.979	426	428	431	rBV	558786	599269	24.04%	2.625%
8	7.402	463	465	467	rBV	335079	438347	17.58%	1.920%
9	8.122	525	528	530	rBV	1461407	1300779	52.18%	5.698%
10	8.842	588	591	593	rVB	53565	48195	1.93%	0.211%
11	8.933	597	599	601	rVB	31651	34845	1.40%	0.153%
12	9.208	620	623	625	rBV	703484	786689	31.56%	3.446%
13	9.288	627	630	635	rVB	23511	37485	1.50%	0.164%
14	9.471	644	646	648	rBV	20779	27728	1.11%	0.121%
15	9.539	650	652	654	rVV	36310	47141	1.89%	0.206%
16	9.608	656	658	660	rVV	87296	89034	3.57%	0.390%
17	9.665	660	663	665	rVV	19209	25523	1.02%	0.112%
18	9.745	668	670	672	rVV	102374	82611	3.31%	0.362%
19	9.813	675	676	680	rVV2	27102	35136	1.41%	0.154%
20	9.882	680	682	684	rVV	1145518	1147924	46.05%	5.028%
21	9.916	684	685	687	rVB	96912	76637	3.07%	0.336%
22	10.088	698	700	702	rBV	55078	56482	2.27%	0.247%
23	10.293	716	718	719	rBV	26776	42154	1.69%	0.185%
24	10.316	719	720	721	rVB	39081	26978	1.08%	0.118%
25	10.431	728	730	733	rVB	72237	71987	2.89%	0.315%
26	10.499	733	736	737	rBV	21590	29945	1.20%	0.131%
27	10.522	737	738	742	rVV3	14782	32665	1.31%	0.143%
28	10.671	749	751	754	rBV2	267124	341978	13.72%	1.498%
29	10.796	760	762	765	rVB2	57629	93731	3.76%	0.411%
30	10.979	775	778	780	rBV3	30278	59409	2.38%	0.260%
31	11.128	787	791	794	rBV3	26797	67043	2.69%	0.294%
32	11.185	794	796	797	rVB	35224	43056	1.73%	0.189%
33	11.231	797	800	802	rBV2	49973	82019	3.29%	0.359%
34	11.265	802	803	806	rVB	73103	68655	2.75%	0.301%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.368	810	812	813	rBV	933819	935064	37.51%	4.096%
36	11.448	816	819	821	rVB	207577	186133	7.47%	0.815%
37	11.482	821	822	825	rVB2	28224	33452	1.34%	0.147%
38	11.551	825	828	829	rBV3	15461	26405	1.06%	0.116%
39	11.608	829	833	836	rBV	99485	152175	6.10%	0.667%
40	11.665	836	838	840	rVB	56736	52117	2.09%	0.228%
41	11.711	840	842	844	rBV3	22113	36684	1.47%	0.161%
42	11.871	854	856	857	rBV	134472	122898	4.93%	0.538%
43	11.905	857	859	860	rVB	134539	146377	5.87%	0.641%
44	11.951	860	863	864	rBV2	53268	54505	2.19%	0.239%
45	11.985	864	866	870	rVB2	193402	289084	11.60%	1.266%
46	12.065	871	873	875	rBV2	39821	70531	2.83%	0.309%
47	12.168	880	882	883	rVV	94930	94511	3.79%	0.414%
48	12.202	883	885	887	rVB	74734	95661	3.84%	0.419%
49	12.317	892	895	896	rBV	53929	71596	2.87%	0.314%
50	12.351	896	898	899	rBV	28615	35279	1.42%	0.155%
51	12.419	902	904	906	rBV	106605	136714	5.48%	0.599%
52	12.454	906	907	910	rVB3	74480	91442	3.67%	0.401%
53	12.511	910	912	916	rBV	88135	119373	4.79%	0.523%
54	12.579	916	918	921	rBV	1137076	1151623	46.20%	5.045%
55	12.648	921	924	925	rVB2	33101	46962	1.88%	0.206%
56	12.682	925	927	928	rBV	32978	45640	1.83%	0.200%
57	12.728	928	931	933	rBV3	54972	108274	4.34%	0.474%
58	12.808	935	938	941	rBV	1095673	1284448	51.53%	5.626%
59	12.865	941	943	945	rVB2	51539	80922	3.25%	0.354%
60	12.945	946	950	954	rBV3	458475	723262	29.01%	3.168%
61	13.025	954	957	959	rBV2	87341	161841	6.49%	0.709%
62	13.139	963	967	969	rBV	131034	227241	9.12%	0.995%
63	13.208	969	973	974	rBV2	72997	123428	4.95%	0.541%
64	13.242	974	976	980	rBV2	129365	184346	7.40%	0.808%
65	13.334	982	984	985	rVV	85064	66306	2.66%	0.290%
66	13.368	985	987	990	rVV2	56386	90268	3.62%	0.395%
67	13.642	1010	1011	1014	rBV	90906	127485	5.11%	0.558%
68	13.757	1019	1021	1022	rBV	121034	133495	5.36%	0.585%
69	13.860	1028	1030	1033	rVB2	139224	217267	8.72%	0.952%
70	14.008	1039	1043	1049	rBV2	1244340	2492760	100.00%	10.919%
71	14.111	1050	1052	1053	rVV	80096	69954	2.81%	0.306%

LSC Area Percent Report

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Integration Parameters: rteint.p
Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.397	1075	1077	1078	rVB	115811	116143	4.66%	0.509%
73	15.037	1130	1133	1136	rBV	490484	1052060	42.20%	4.609%
74	15.323	1155	1158	1161	rVB	303258	374198	15.01%	1.639%
75	15.380	1161	1163	1166	rVB	414699	485775	19.49%	2.128%
76	15.437	1166	1168	1170	rBV	513861	805298	32.31%	3.528%
77	16.854	1289	1292	1295	rVB	151089	282900	11.35%	1.239%
78	17.277	1326	1329	1334	rVB	122667	237483	9.53%	1.040%

Sum of corrected areas: 22828612

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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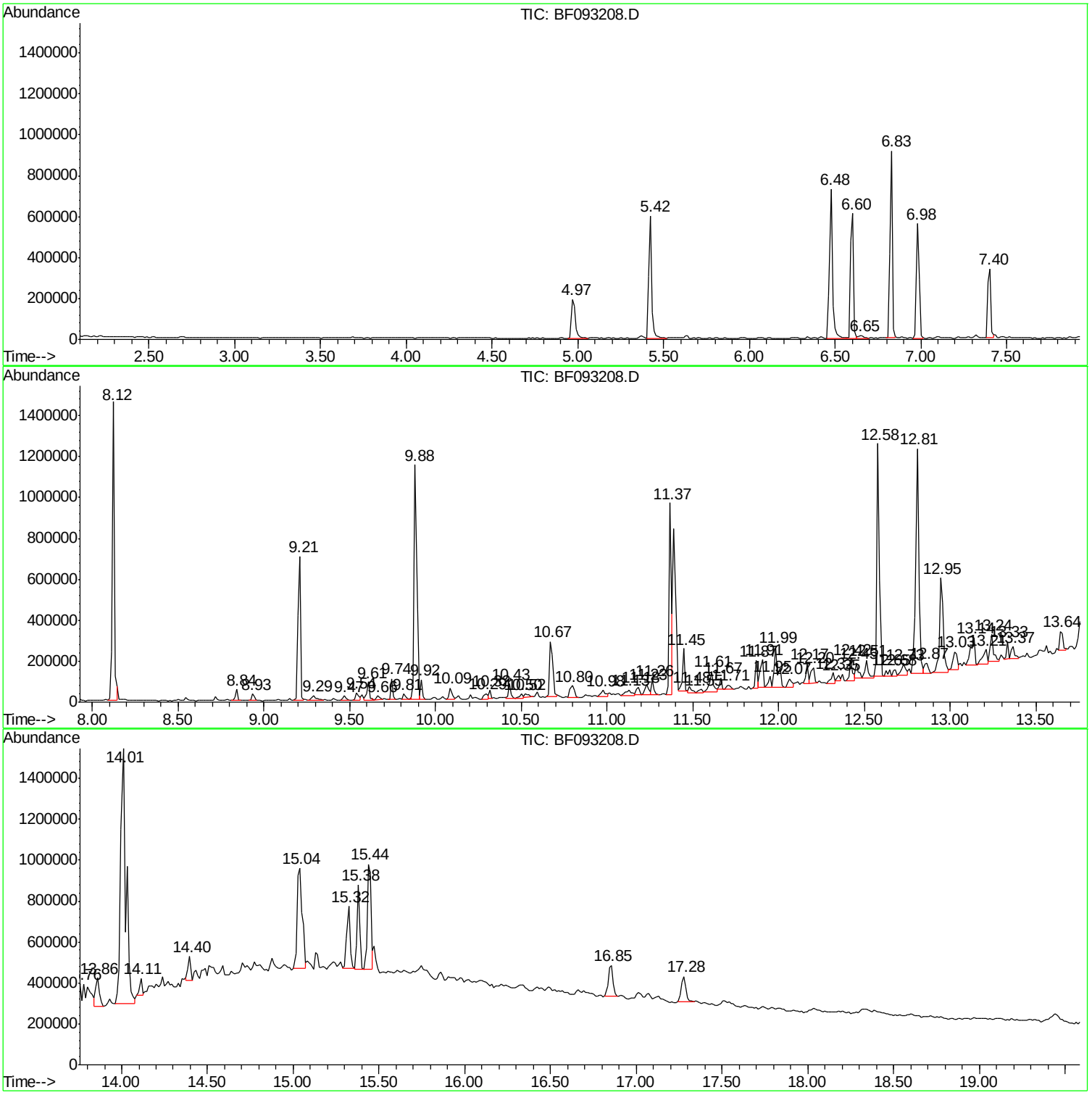
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Operator : SJ/MA
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

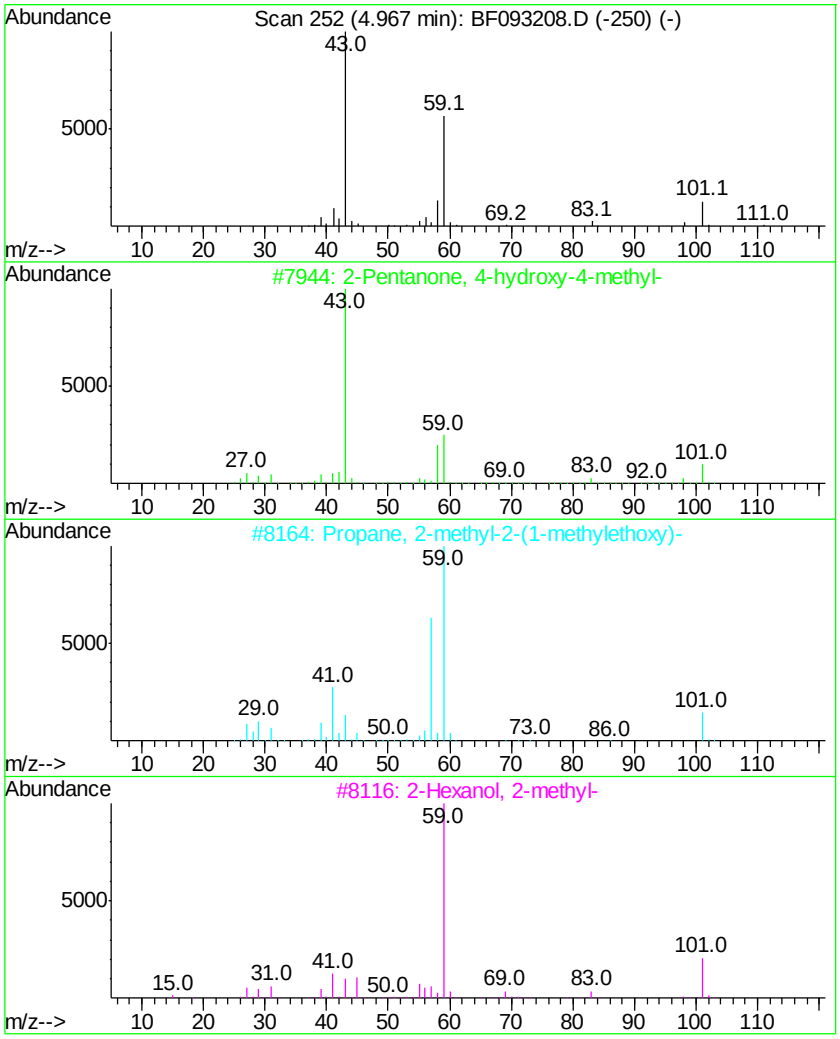
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

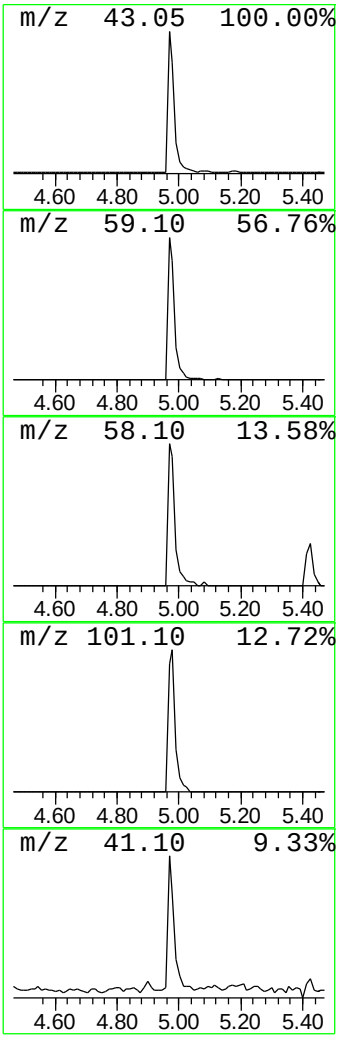
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	6.20 ng	292098	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
5	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	33





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Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
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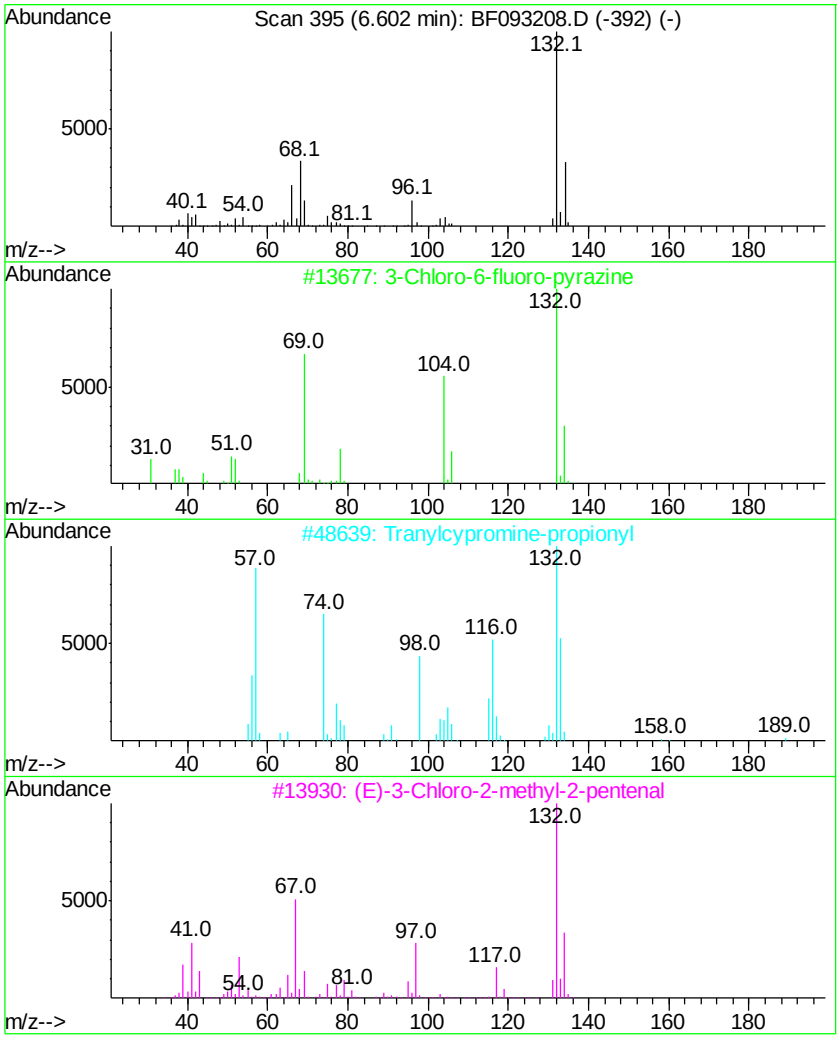
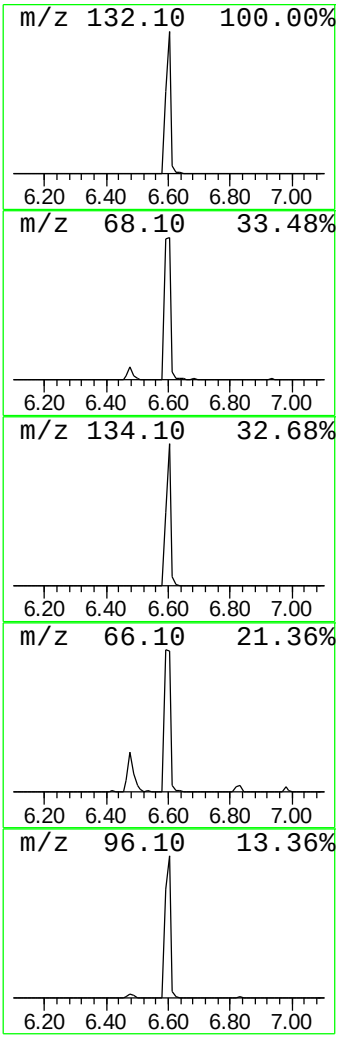
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	16.40 ng	772271	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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TIC Library : C:\DATABASE\NIST02.L
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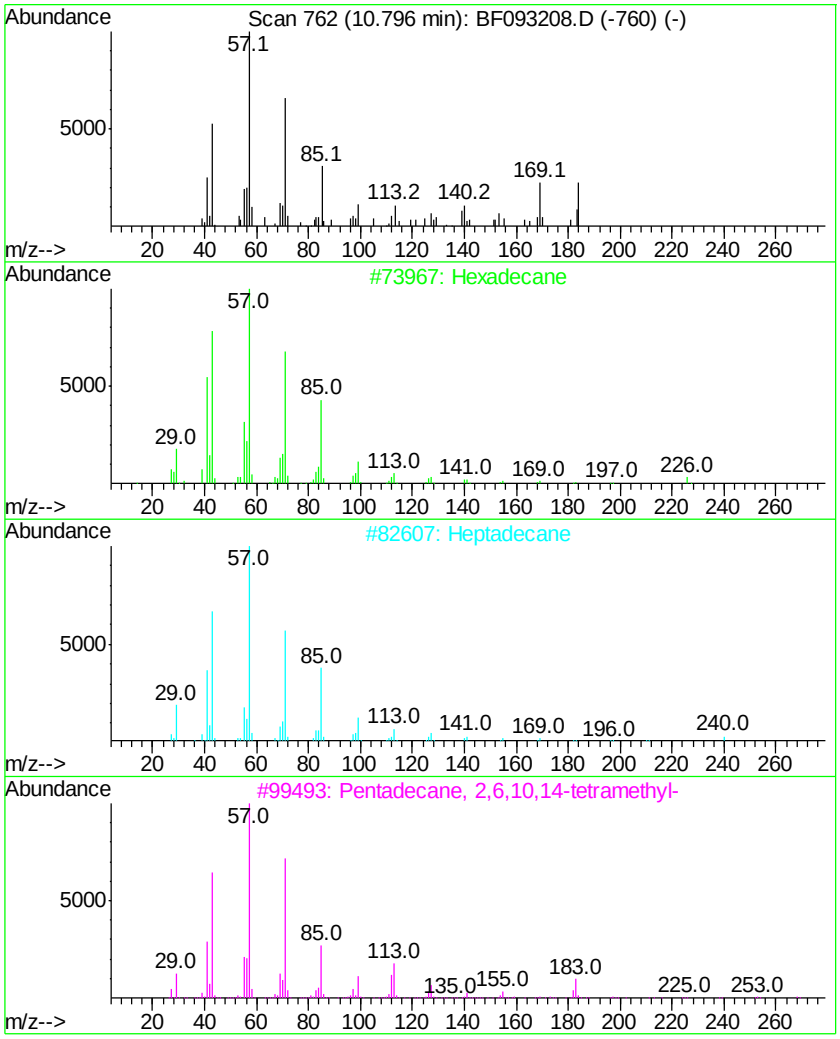
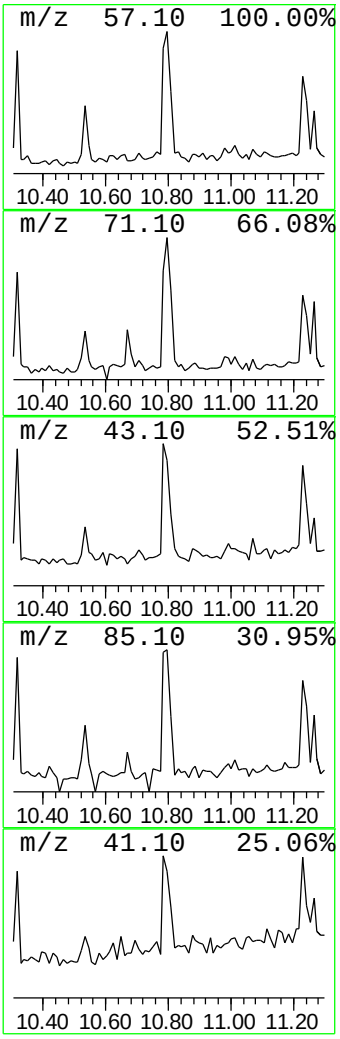
Peak Number 4 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.00 ng	93731	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	52
2	Heptadecane	240	C17H36	000629-78-7	52
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
5	Tetratriacontane	479	C34H70	014167-59-0	50





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TIC Library : C:\DATABASE\NIST02.L
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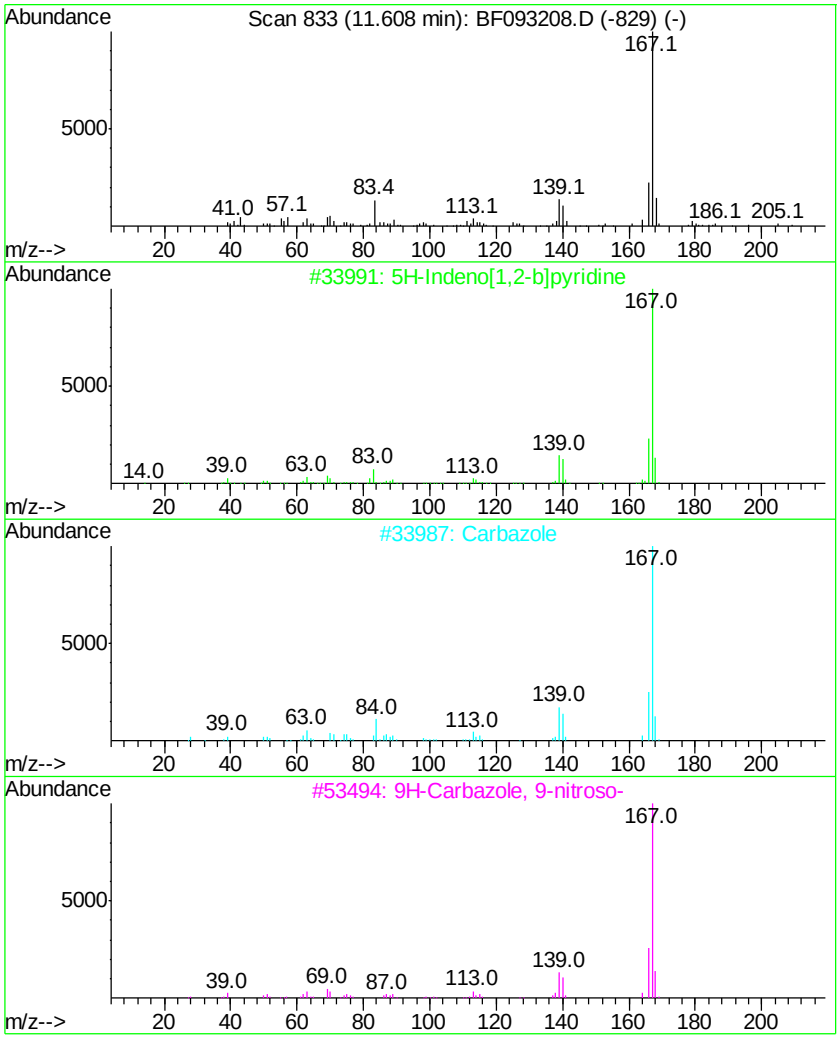
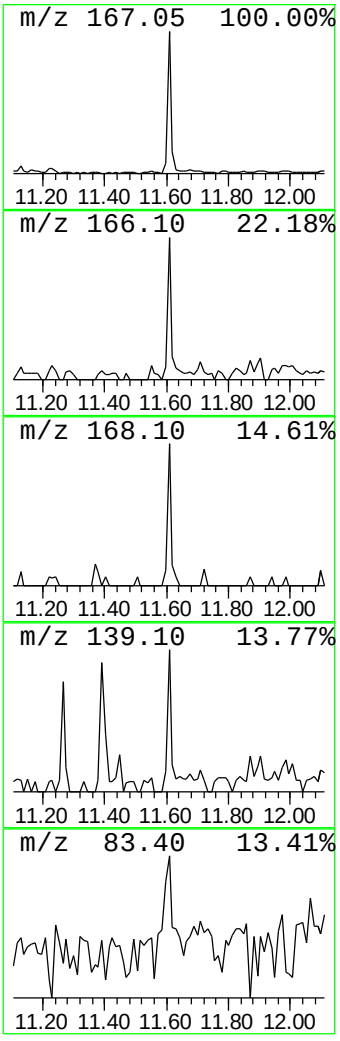
Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	3.25 ng	152175	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
5	Thiazolo[3,2-a]pyridinium, 2,3-d...	167	C8H9NOS	023003-43-2	64





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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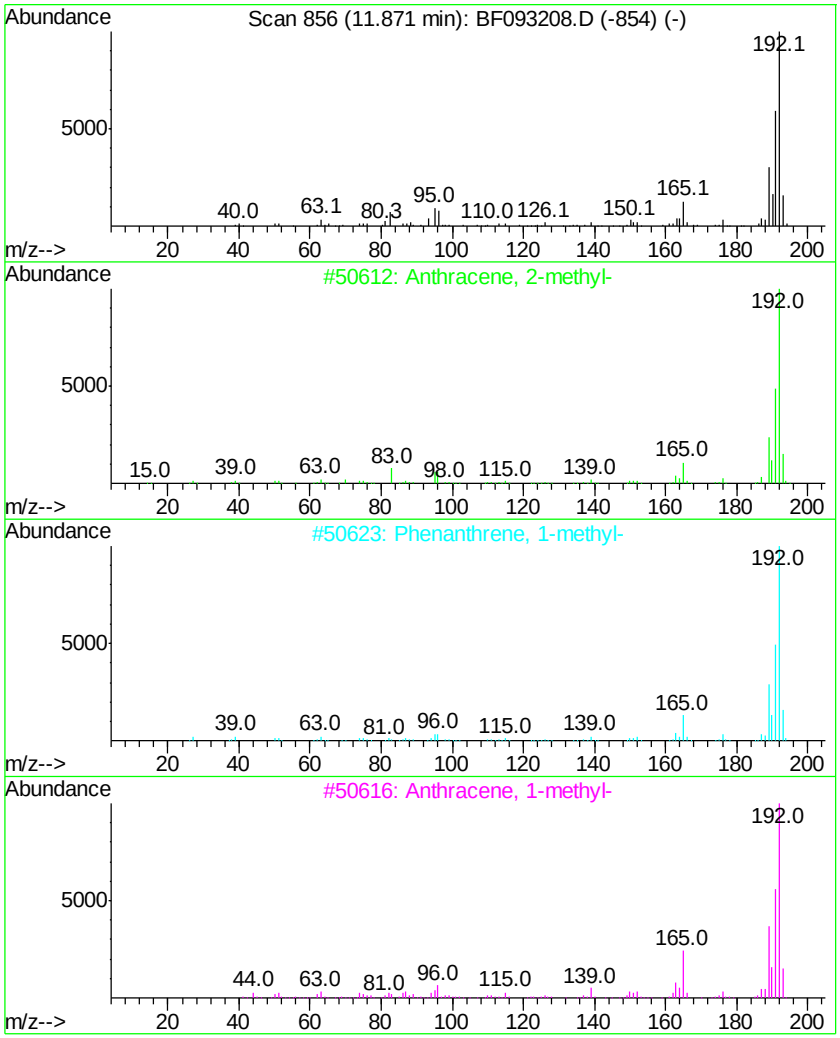
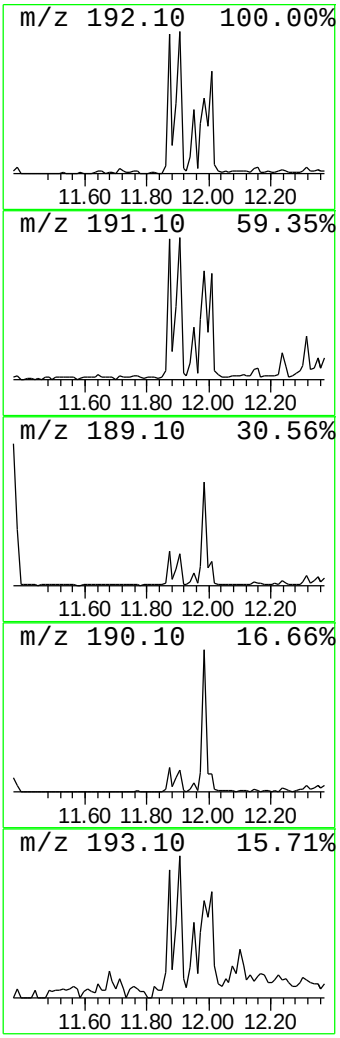
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.63 ng	122898	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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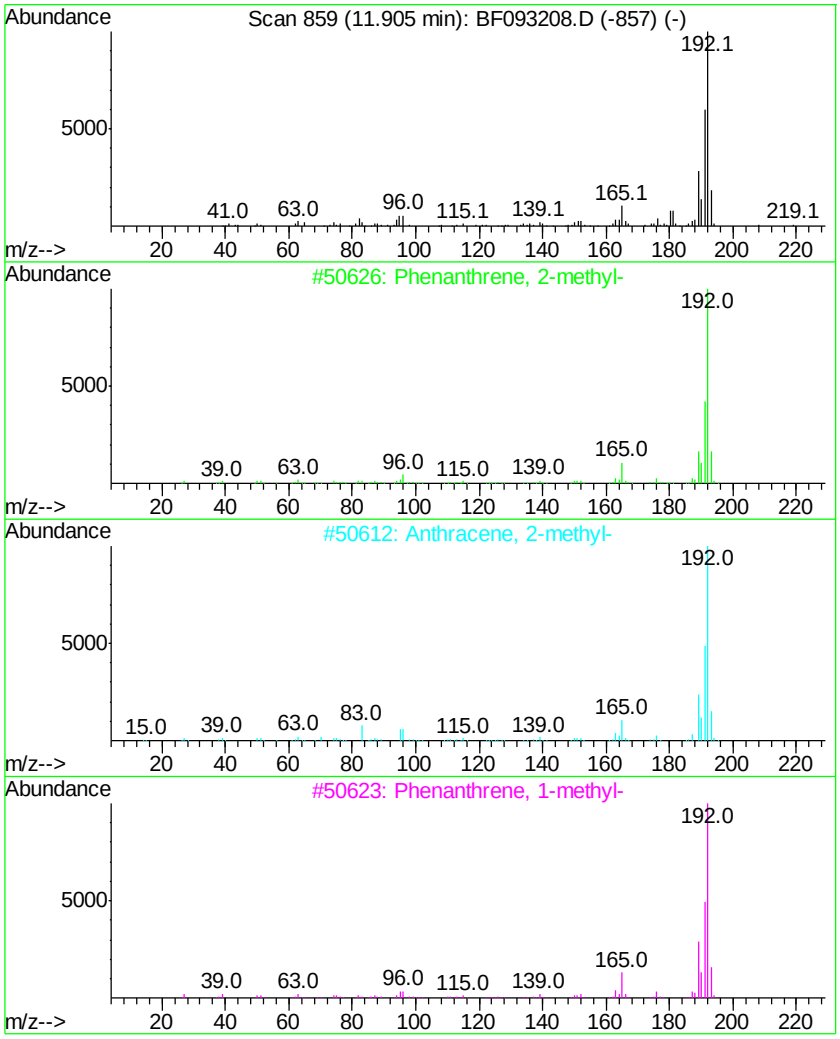
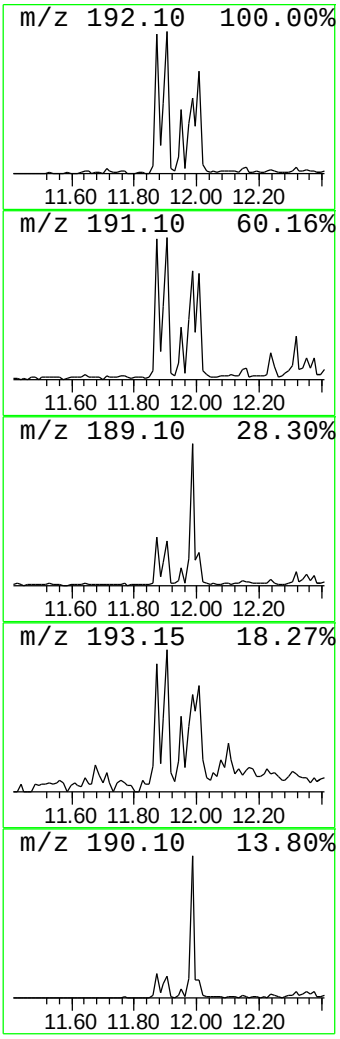
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.13 ng	146377	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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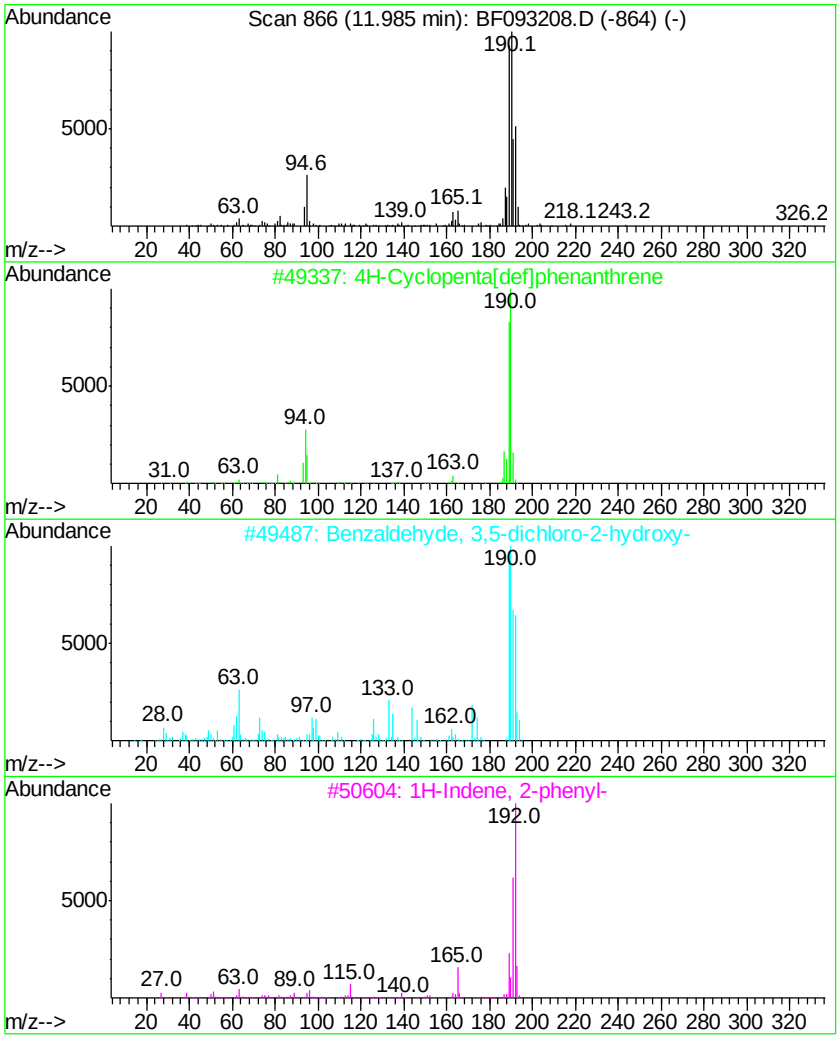
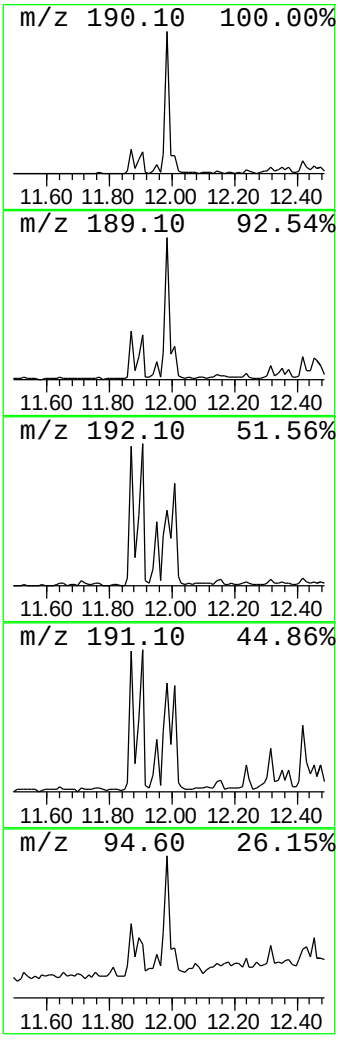
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	6.18 ng	289084	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	14
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093208.D
Acq On : 27 Feb 2017 14:53
Operator : SJ/MA
Sample : I1972-10 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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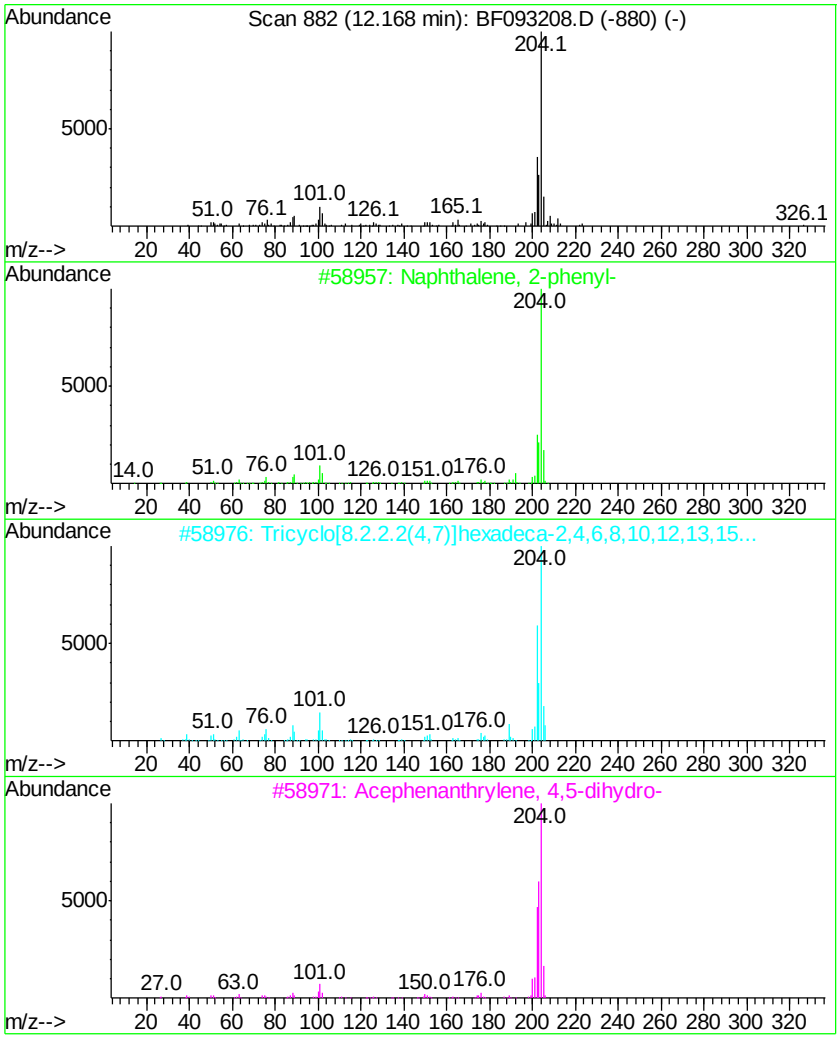
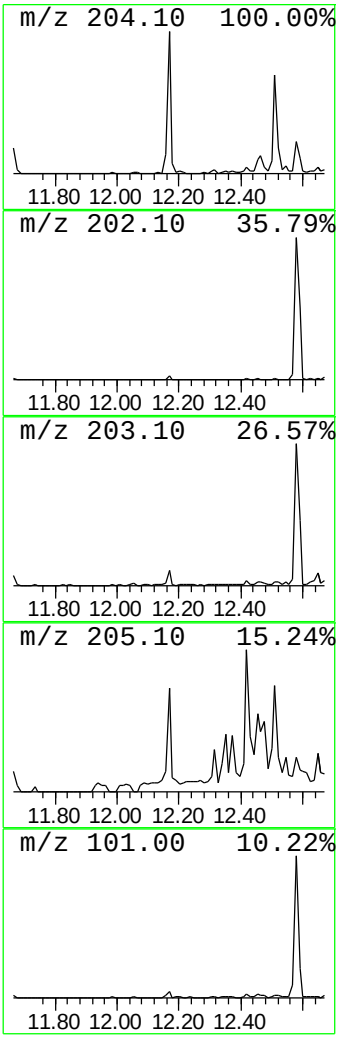
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.02 ng	94511	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52





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Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

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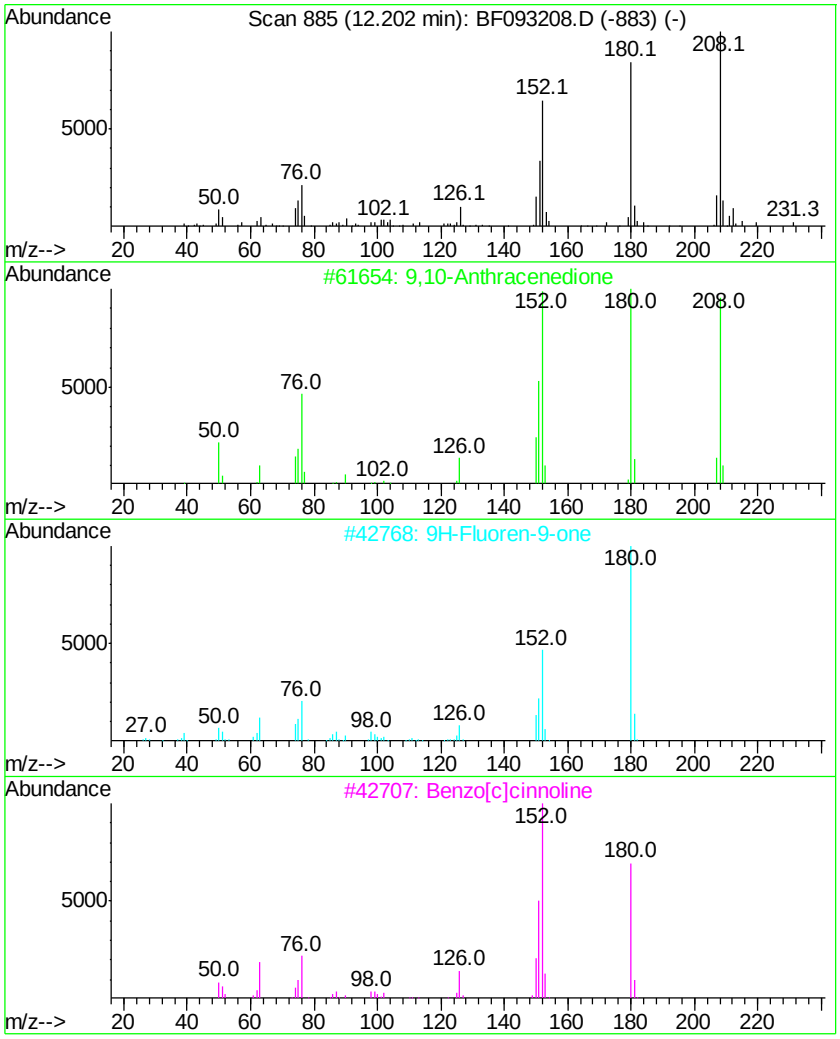
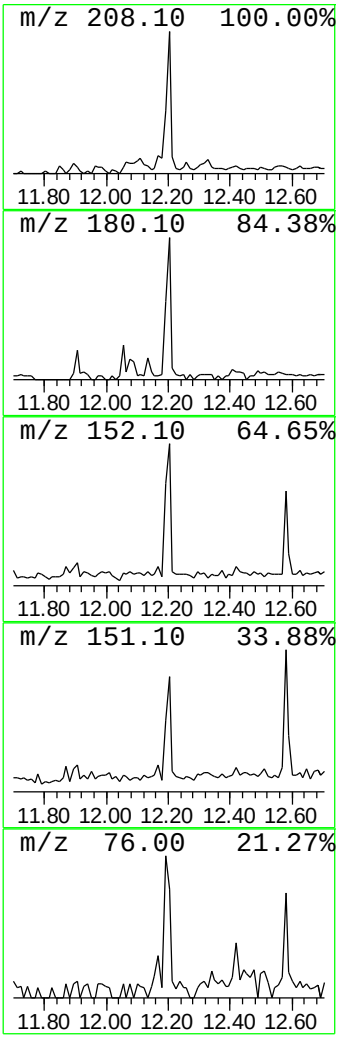
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.05 ng	95661	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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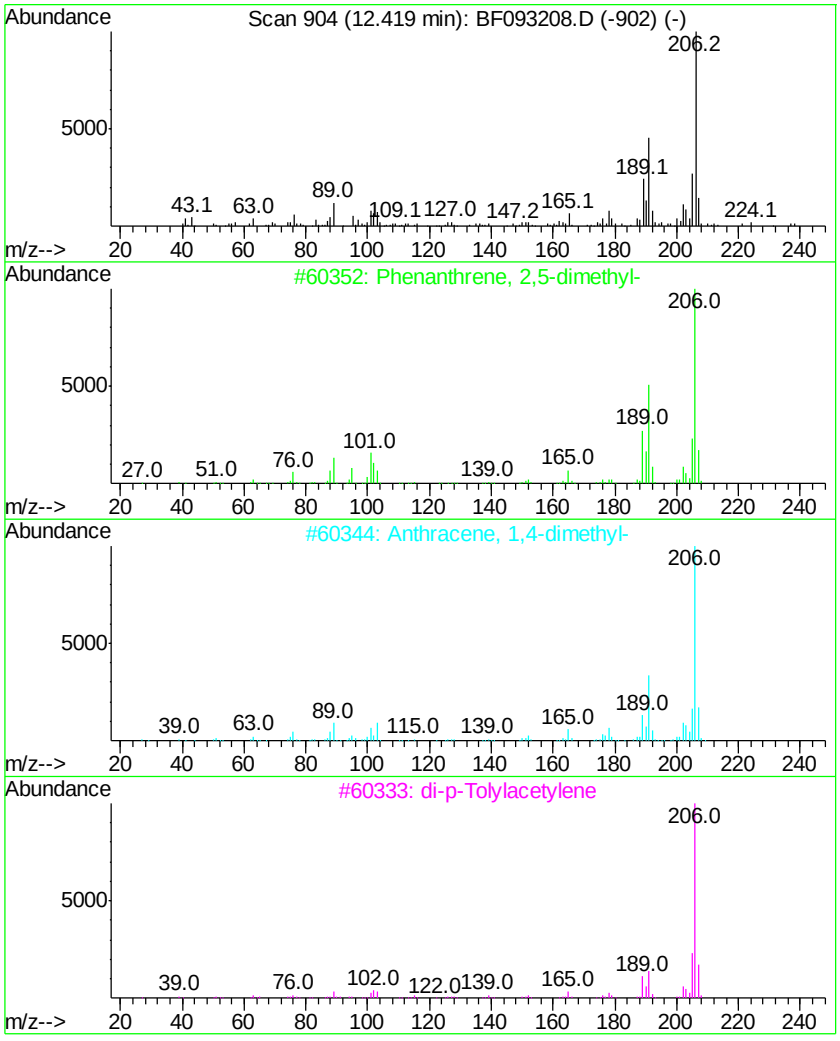
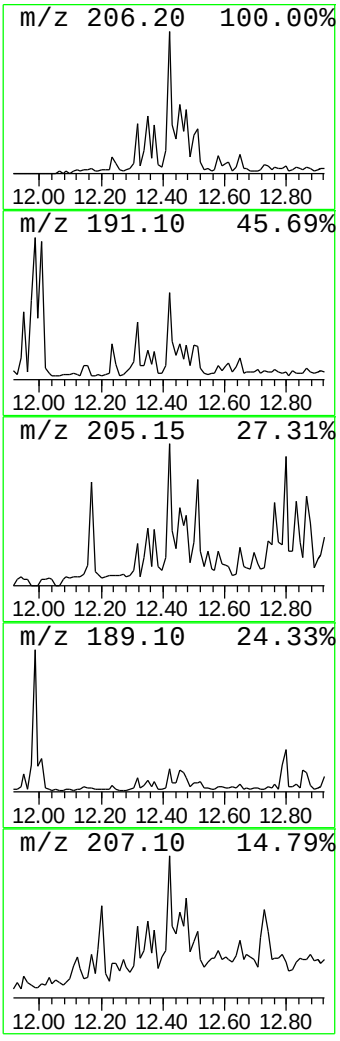
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.92 ng	136714	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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TIC Integration Parameters: LSCINT.P

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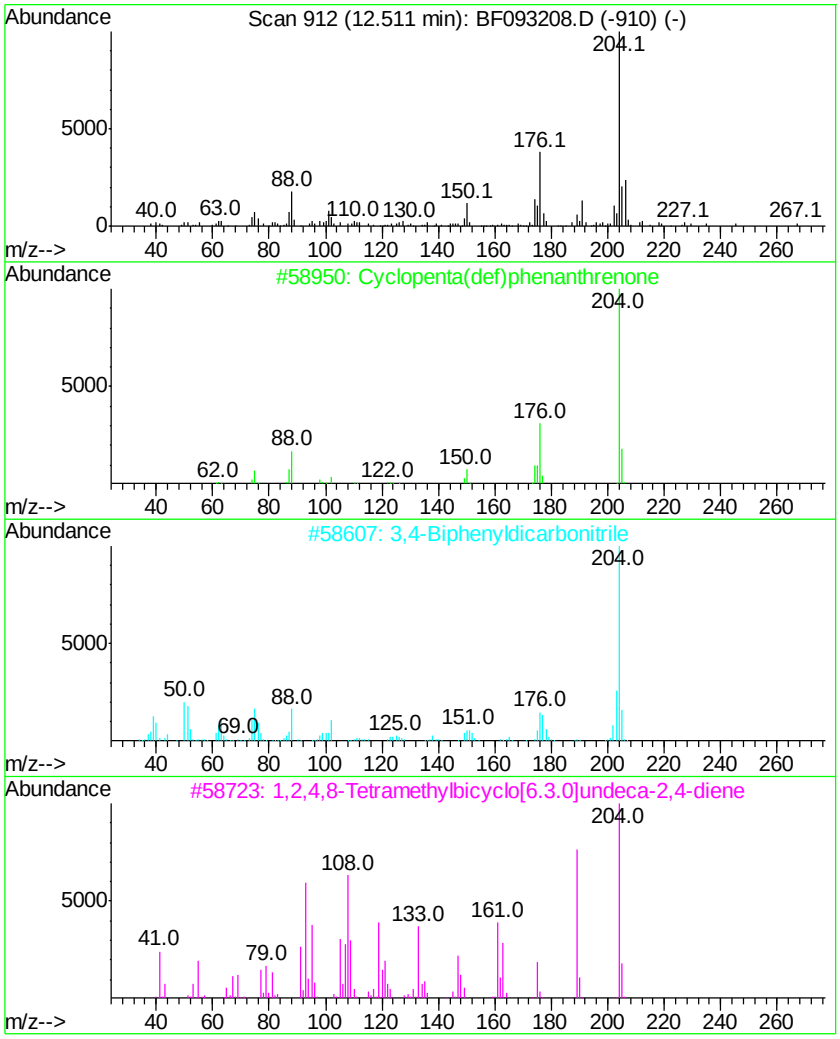
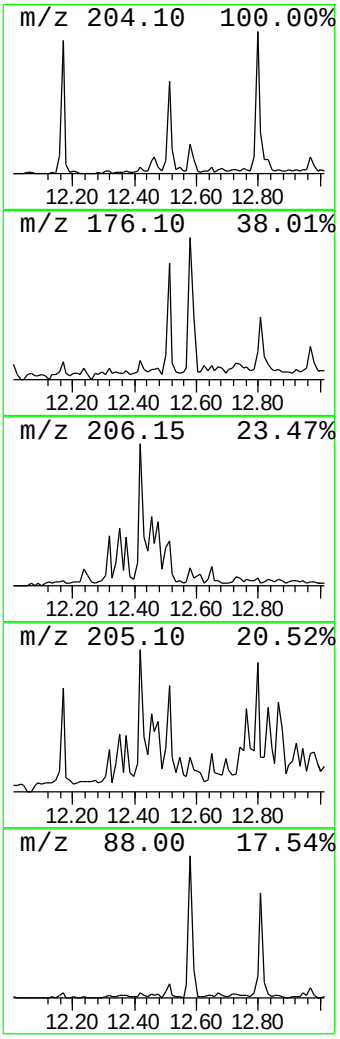
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.55 ng	119373	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093208.D
Acq On : 27 Feb 2017 14:53
Operator : SJ/MA
Sample : I1972-10 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-BASE-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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...	4.97	6.2	ng	292098	1	6.83	941756	20.0
unknown6.60	6.60	16.4	ng	772271	1	6.83	941756	20.0
Hexadecane	10.80	2.0	ng	93731	4	11.37	935064	20.0
5H-Indeno[1,2-b]p...	11.61	3.3	ng	152175	4	11.37	935064	20.0
Anthracene, 2-met...	11.87	2.6	ng	122898	4	11.37	935064	20.0
Phenanthrene, 2-m...	11.91	3.1	ng	146377	4	11.37	935064	20.0
4H-Cyclopenta[def...	11.99	6.2	ng	289084	4	11.37	935064	20.0
Naphthalene, 2-ph...	12.17	2.0	ng	94511	4	11.37	935064	20.0
9,10-Anthracenedione	12.20	2.0	ng	95661	4	11.37	935064	20.0
Phenanthrene, 2,5...	12.42	2.9	ng	136714	4	11.37	935064	20.0
Cyclopenta(def)ph...	12.51	2.5	ng	119373	4	11.37	935064	20.0