LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

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-BF030316.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	2.344	4	5	9	rVB2	283302	426051	24.39%	1.738%
2	2.401	9	10	11	rVV	402014	401570	22.99%	1.638%
3	2.436	11	13	15	rVB	426269	691071	39.56%	2.820%
4	2.516	19	20	23	rVB3	12736	20013	1.15%	0.082%
5	4.539	194	197	201	rBV	29943	47622	2.73%	0.194%
6	4.676	207	209	211	rBV	22313	26436	1.51%	0.108%
7	5.156	249	251	254	rBV	206424	194587	11.14%	0.794%
8	5.567	284	287	289	rBV	492681	529535	30.31%	2.160%
9	6.585	373	376	378	rBV	684373	640427	36.66%	2.613%
10	6.733	386	389	391	rBV	713400	633001	36.23%	2.583%
11	6.973	407	410	412	rBV	394958	455890	26.10%	1.860%
12	7.122	421	423	426	rVB	614462	538725	30.84%	2.198%
13	7.522	456	458	461	rBV	371111	366544	20.98%	1.495%
14	8.253	520	522	523	rBV	730224	597071	34.18%	2.436%
15	8.962	583	584	587	rVB	33376	37862	2.17%	0.154%
16	9.065	591	593	595	rVB	38646	32489	1.86%	0.133%
17	9.328	614	616	618	rBV	932137	738829	42.29%	3.014%
18	9.431	622	625	626	rBV2	20371	29511	1.69%	0.120%
19	9.591	637	639	641	rVB	19783	23977	1.37%	0.098%
20	9.671	641	646	649	rBV2	30712	56445	3.23%	0.230%
21	9.716	649	650	653	rVV	78457	89562	5.13%	0.365%
22	9.785	655	656	661	rVB	18652	22172	1.27%	0.090%
23	9.876	661	664	666	rBV	20771	32142	1.84%	0.131%
24	9.933	666	669	671	rVB	21545	33845	1.94%	0.138%
25	10.013	673	676	677	rVV	607988	568189	32.52%	2.318%
26	10.048	677	679	680	rVB	142983	180279	10.32%	0.736%
27	10.173	687	690	691	rBV	15554	23464	1.34%	0.096%
28	10.208	691	693	696	rVV	64901	93684	5.36%	0.382%
29	10.436	712	713	714	rVB	49487	33948	1.94%	0.139%
30	10.459	714	715	717	rVB	29830	24882	1.42%	0.102%
31	10.562	722	724	726	rVB	78361	107376	6.15%	0.438%
32	10.619	726	729	730	rBV2	19612	35112	2.01%	0.143%
33	10.642	730	731	736	rVV2	25593	55573	3.18%	0.227%
34	10.711	736	737	739	rVB	34255	30865	1.77%	0.126%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

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-BF030316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.791	742	744	747	rBV	143183	154242	8.83%	0.629%
36	10.916	753	755	759	rBV2	43649	85240	4.88%	0.348%
37	11.099	768	771	773	rBV2	22467	46350	2.65%	0.189%
38	11.259	780	785	787	rBV2	19768	58567	3.35%	0.239%
39	11.294	787	788	790	rVB	62714	66739	3.82%	0.272%
40	11.351	790	793	795	rBV3	49229	84115	4.81%	0.343%
41	11.396	795	797	799	rVB	54228	71883	4.11%	0.293%
42	11.499	804	806	807	rBV	459954	747472	42.79%	3.050%
43	11.522	807	808	810	rVV	1234259	877781	50.24%	3.581%
44	11.568	810	812	814	rVV	347253	308797	17.68%	1.260%
45	11.602	814	815	818	rVB	40642	35167	2.01%	0.143%
46	11.716	822	825	829	rBV2	110851	171750	9.83%	0.701%
47	11.785	829	831	833	rVV	38936	45209	2.59%	0.184%
48	11.831	833	835	837	rVV2	16726	23987	1.37%	0.098%
49	11.888	837	840	841	rVV2	13781	18748	1.07%	0.076%
50	11.991	847	849	851	rBV	62099	108734	6.22%	0.444%
51	12.025	851	852	854	rVB	161971	116595	6.67%	0.476%
52	12.071	854	856	857	rBV	70865	60688	3.47%	0.248%
53	12.105	857	859	863	rVB2	188319	300320	17.19%	1.225%
54	12.197	863	867	868	rBV	36287	66955	3.83%	0.273%
55	12.288	874	875	876	rBV	87225	84927	4.86%	0.346%
56	12.437	886	888	890	rBV2	32180	40578	2.32%	0.166%
57	12.471	890	891	896	rVB2	32658	51337	2.94%	0.209%
58	12.539	896	897	899	rBV	44411	65167	3.73%	0.266%
59	12.585	899	901	903	rBV	53192	82744	4.74%	0.338%
60	12.631	903	905	907	rVB	90091	91165	5.22%	0.372%
61	12.677	907	909	910	rBV2	17114	24958	1.43%	0.102%
62	12.711	910	912	914	rVB	1761221	1601226	91.66%	6.533%
63	12.768	914	917	919	rBV2	38639	68606	3.93%	0.280%
64	12.859	921	925	929	rBV3	65366	123509	7.07%	0.504%
65	12.939	929	932	934	rBV	1600277	1747008	100.00%	7.128%
66	12.985	934	936	939	rVB2	58310	62040	3.55%	0.253%
67	13.077	940	944	948	rBV3	584479	726003	41.56%	2.962%
68	13.157	948	951	952	rBV2	97891	151850	8.69%	0.620%
69	13.259	957	960	962	rVB	178879	252589	14.46%	1.031%
70	13.305	962	964	965	rBV2	25479	49915	2.86%	0.204%
71	13.328	965	966	967	rVV	146745	109979	6.30%	0.449%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

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-BF030316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.362	967	969	971	rVV	102383	140812	8.06%	0.575%
73	13.419	973	974	976	rBV2	25267	39529	2.26%	0.161%
74	13.454	976	977	979	rVB	34105	44265	2.53%	0.181%
75	13.488	979	980	982	rBV2	65020	70569	4.04%	0.288%
76	13.660	992	995	996	rBV3	39036	91164	5.22%	0.372%
77	13.762	1002	1004	1007	rVB	113322	150255	8.60%	0.613%
78	13.877	1011	1014	1016	rBV2	129568	218985	12.53%	0.893%
79	13.911	1016	1017	1018	rVV	119004	93864	5.37%	0.383%
80	13.934	1018	1019	1021	rVV2	107998	155622	8.91%	0.635%
81	13.968	1021	1022	1026	rVB2	117539	173829	9.95%	0.709%
82	14.048	1027	1029	1031	rBV	37537	60317	3.45%	0.246%
83	14.128	1033	1036	1037	rVV2	973277	1366144	78.20%	5.574%
84	14.162	1037	1039	1041	rVB	583765	720545	41.24%	2.940%
85	14.242	1043	1046	1048	rBV2	117968	162081	9.28%	0.661%
86	14.357	1054	1056	1058	rBV2	78907	117052	6.70%	0.478%
87	14.460	1063	1065	1068	rBV3	53183	100531	5.75%	0.410%
88	14.517	1068	1070	1072	rBV	111044	133709	7.65%	0.546%
89	14.551	1072	1073	1075	rVV	64673	53513	3.06%	0.218%
90	14.642	1080	1081	1085	rVB3	78858	136666	7.82%	0.558%
91	15.180	1125	1128	1132	rBV	598450	1340774	76.75%	5.470%
92	15.283	1135	1137	1139	rVB	121793	123709	7.08%	0.505%
93	15.477	1151	1154	1157	rVB	342590	494689	28.32%	2.018%
94	15.545	1157	1160	1163	rBV	411768	614710	35.19%	2.508%
95	15.603	1163	1165	1167	rBV	291156	436158	24.97%	1.780%
96	17.077	1290	1294	1300	rVB2	204434	411377	23.55%	1.678%
97	17.248	1307	1309	1312	rBV	36925	73704	4.22%	0.301%
98	17.523	1329	1333	1342	rVB	154923	383789	21.97%	1.566%

Sum of corrected areas: 24510051

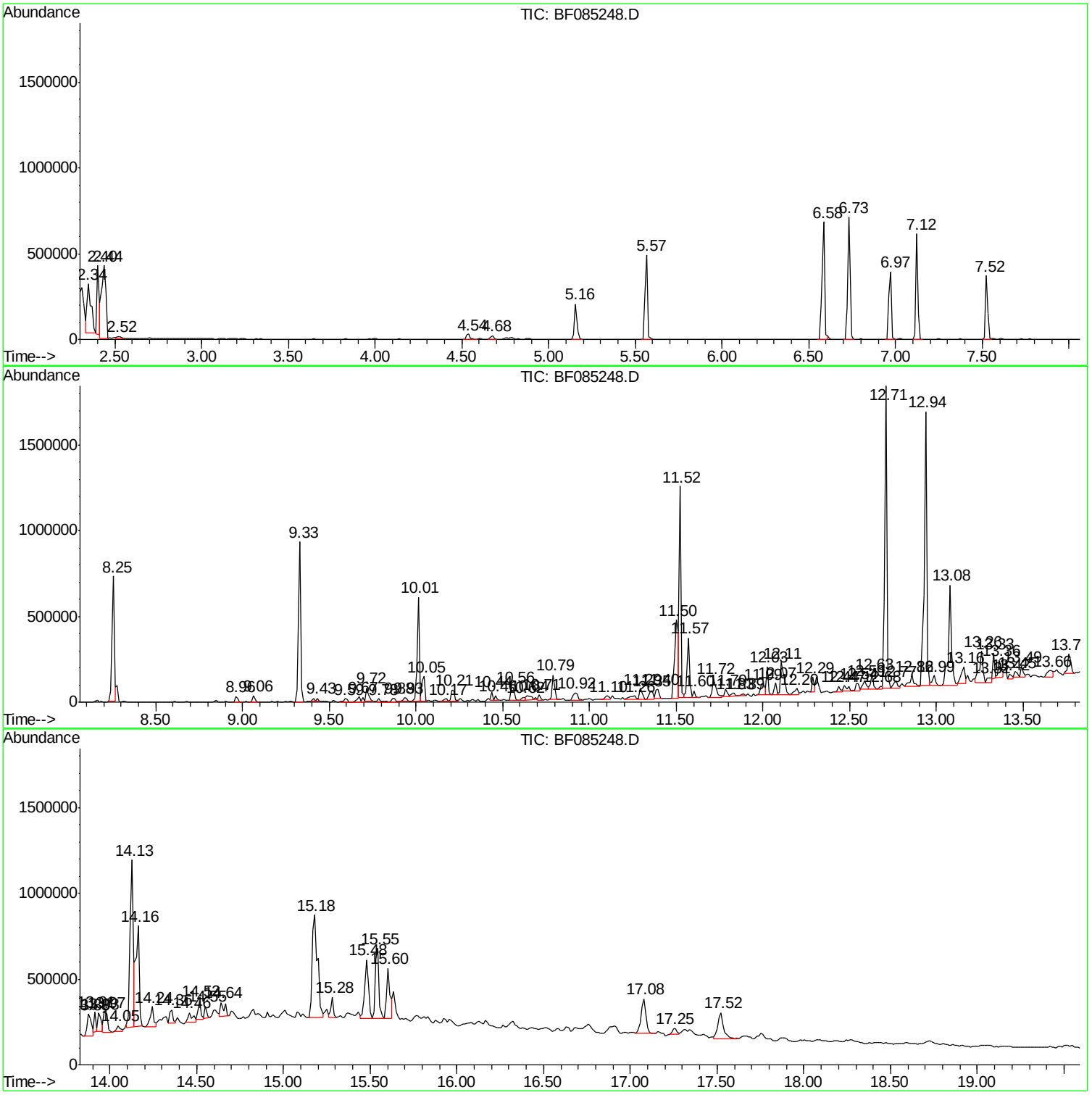
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

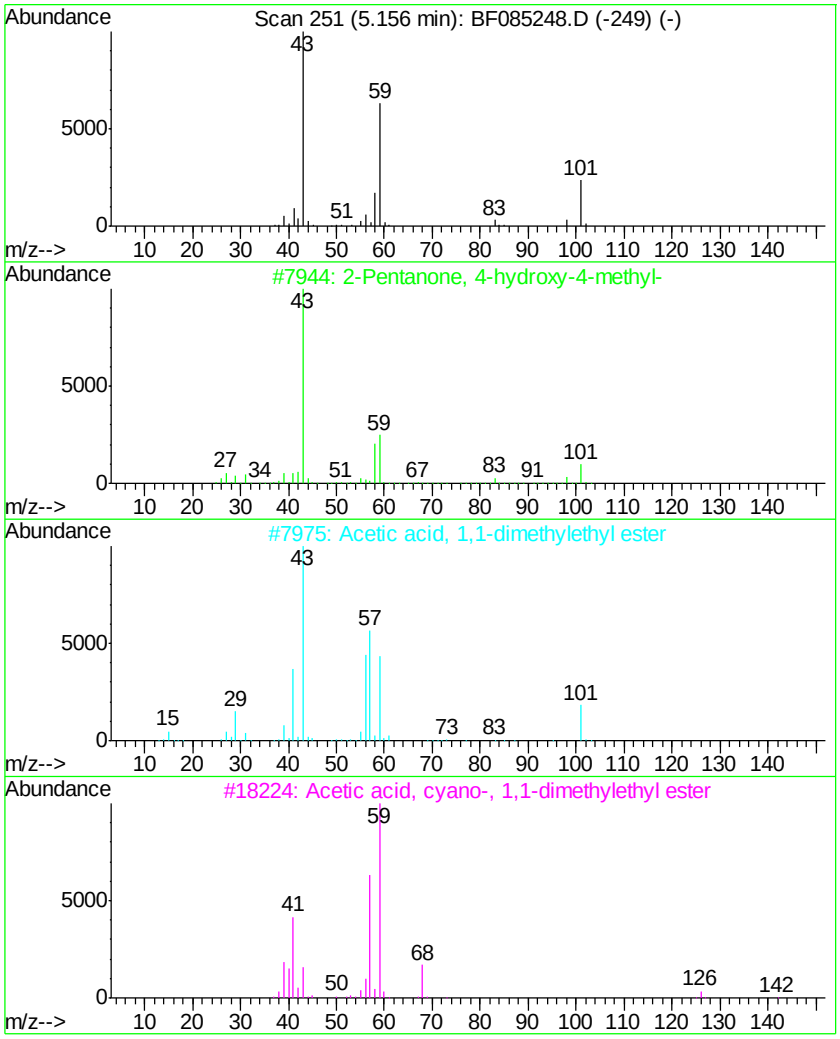
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

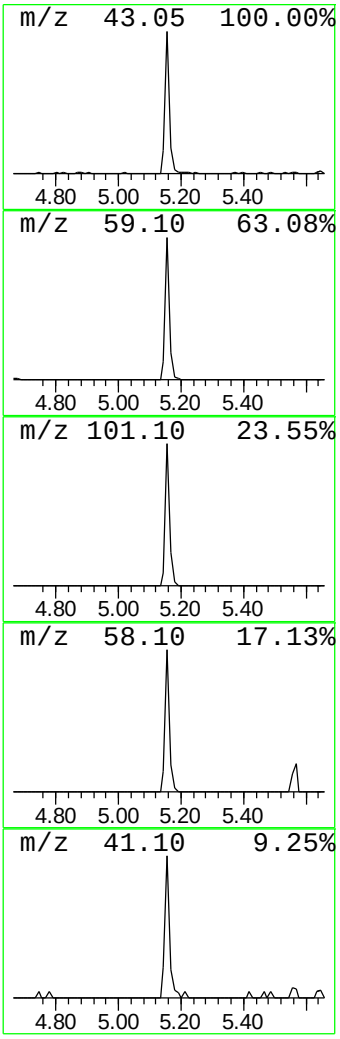
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	8.54 ng	194587	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	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

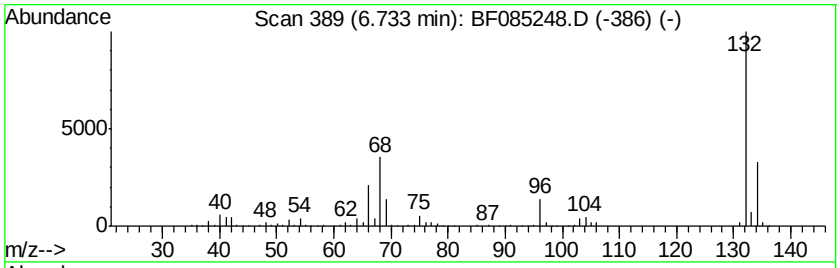
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

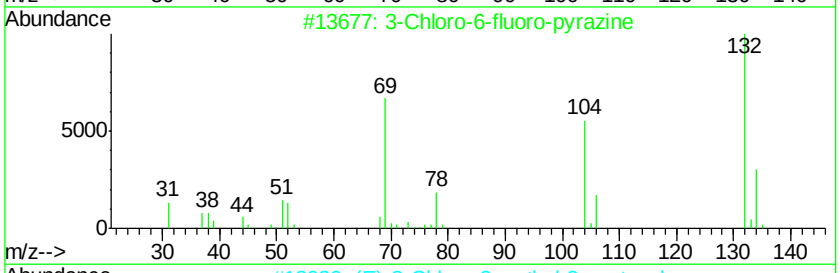
****

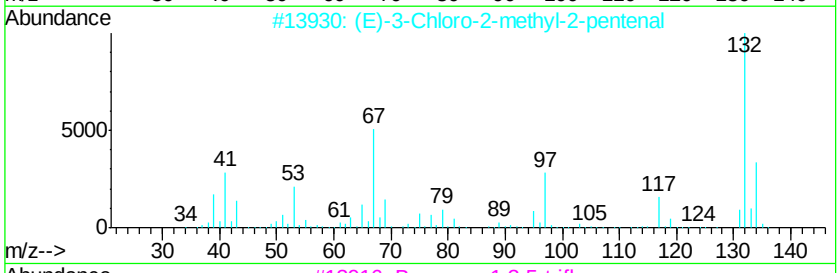
Peak Number 5 unknown6.73 Concentration Rank 2

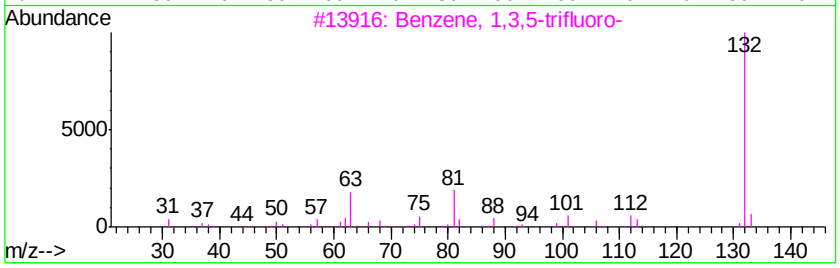
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	27.77 ng	633001	1,4-Dichlorobenzene-d4	6.97

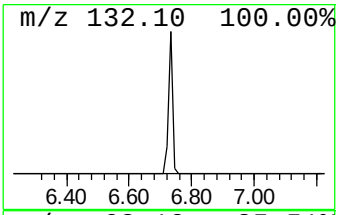
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Xenon	132	Xe	007440-63-3	9

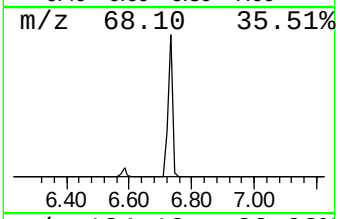


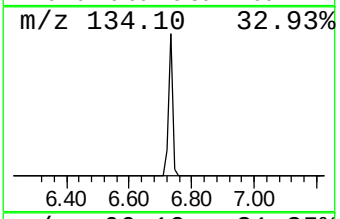


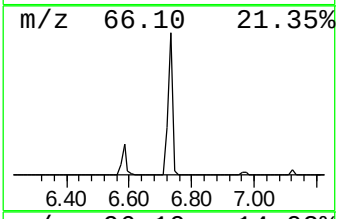


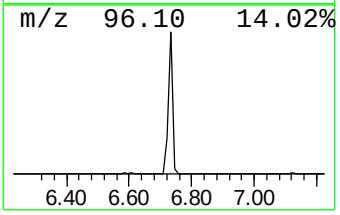












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

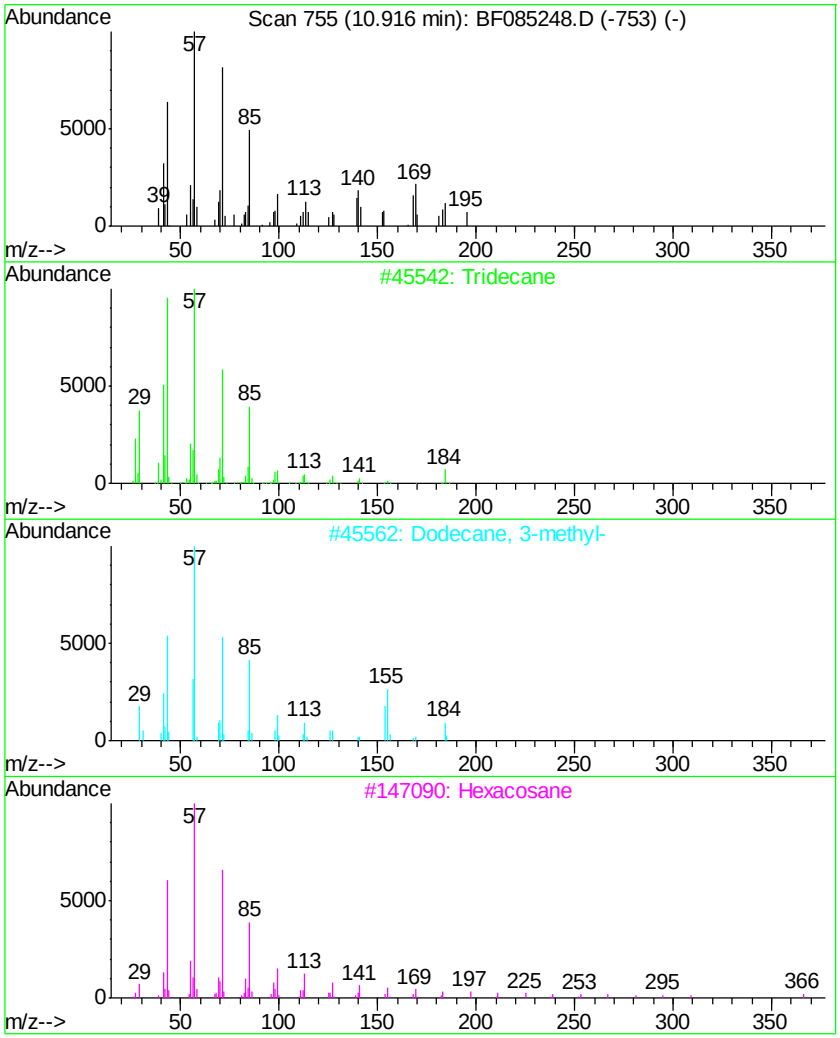
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

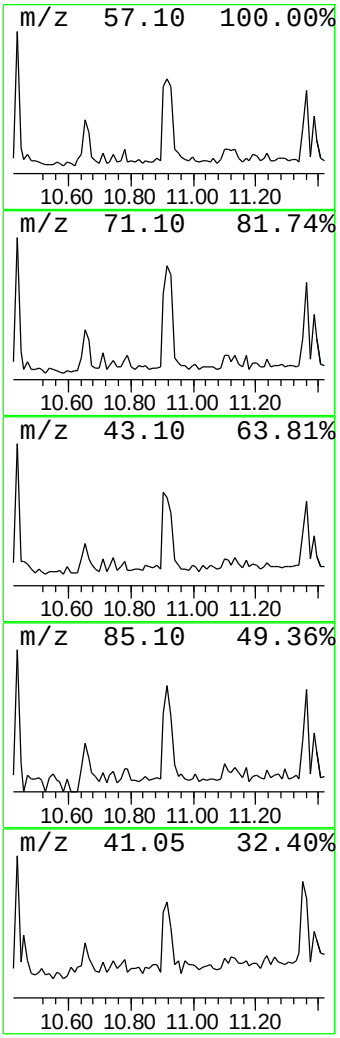
****

Peak Number 7 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.28 ng	85240	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
3	Hexacosane	366	C26H54	000630-01-3	62
4	Pentacosane	352	C25H52	000629-99-2	58
5	Tetratriacontane	479	C34H70	014167-59-0	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

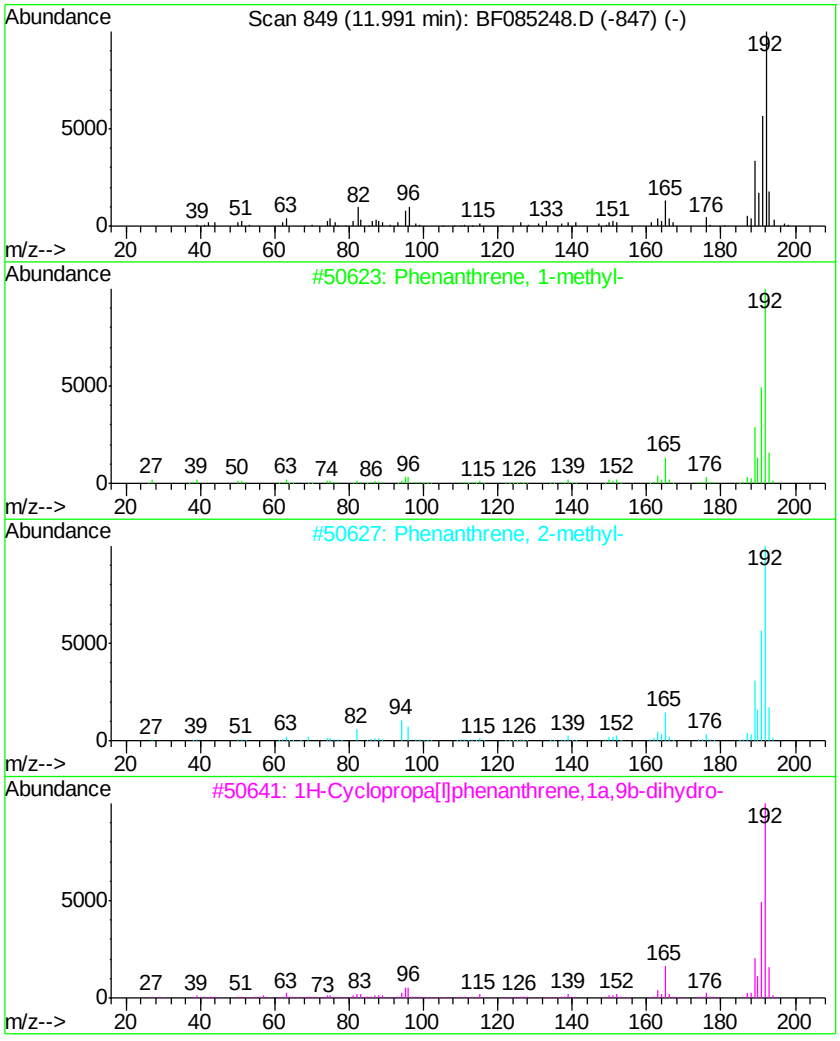
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

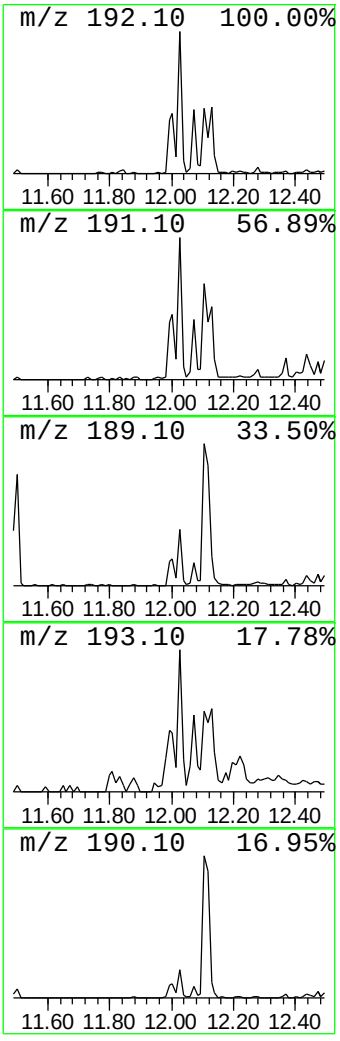
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.91 ng	108734	Phenanthrene-d10	11.50

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

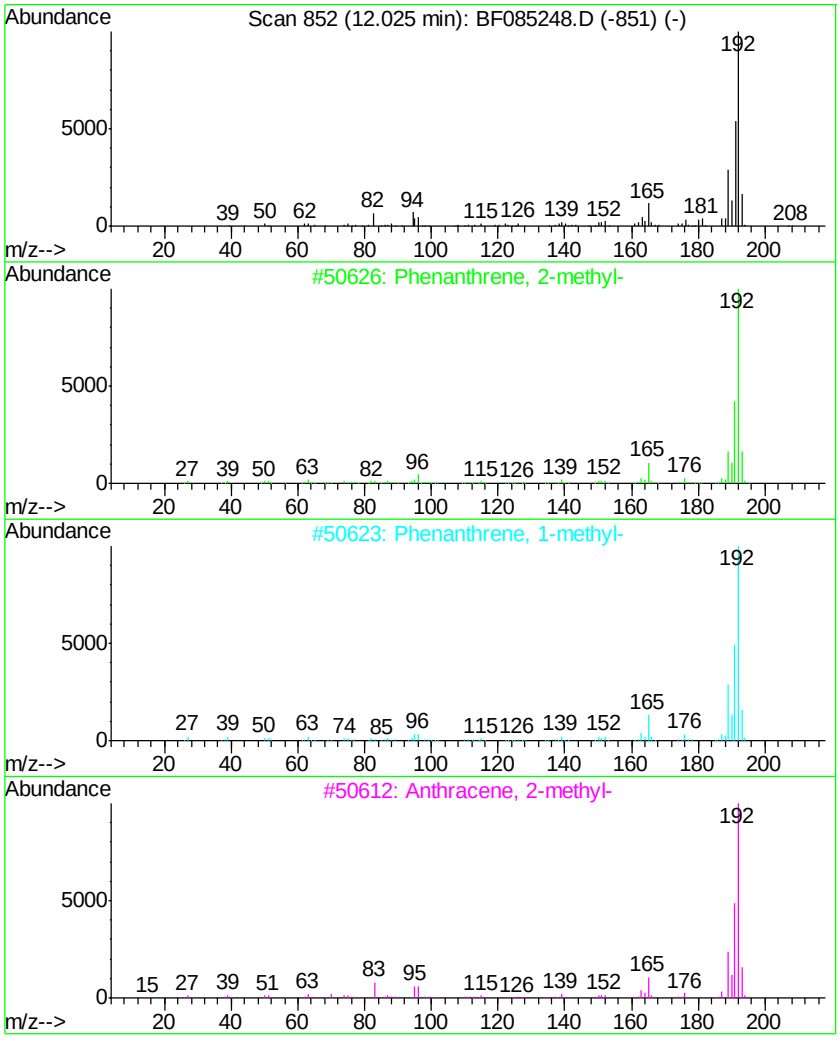
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

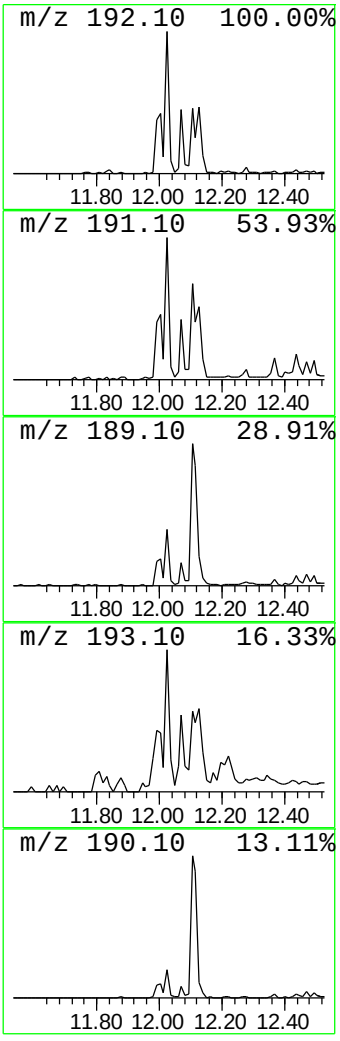
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.12 ng	116595	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

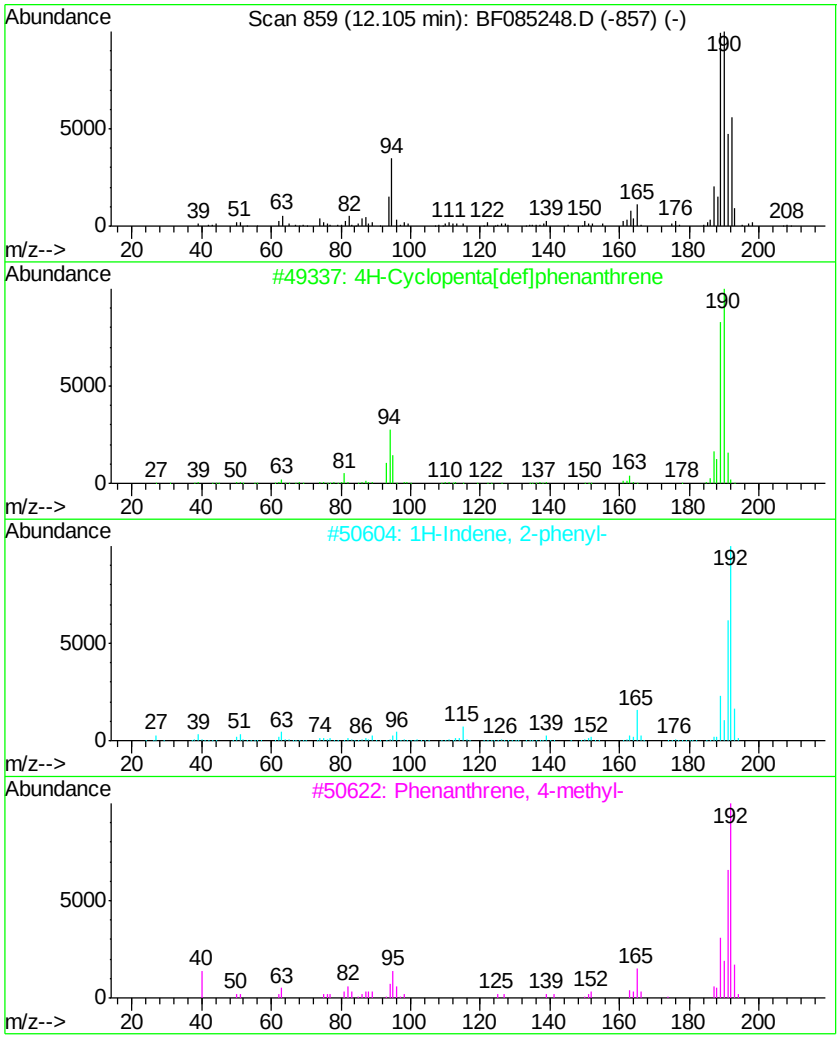
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

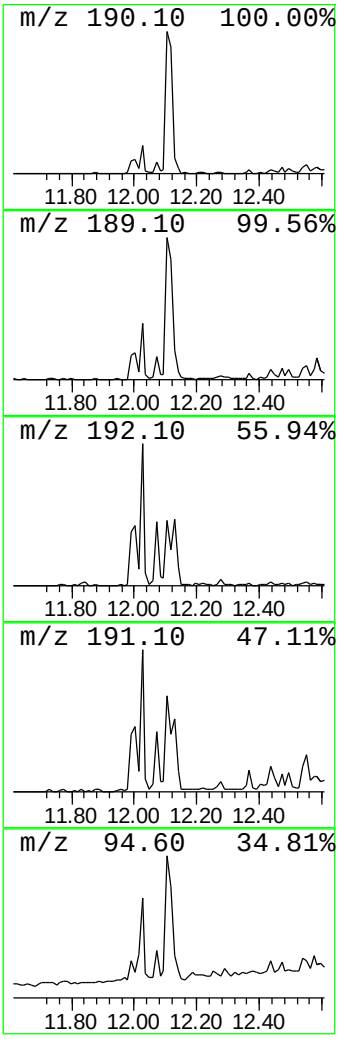
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.04 ng	300320	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	14
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

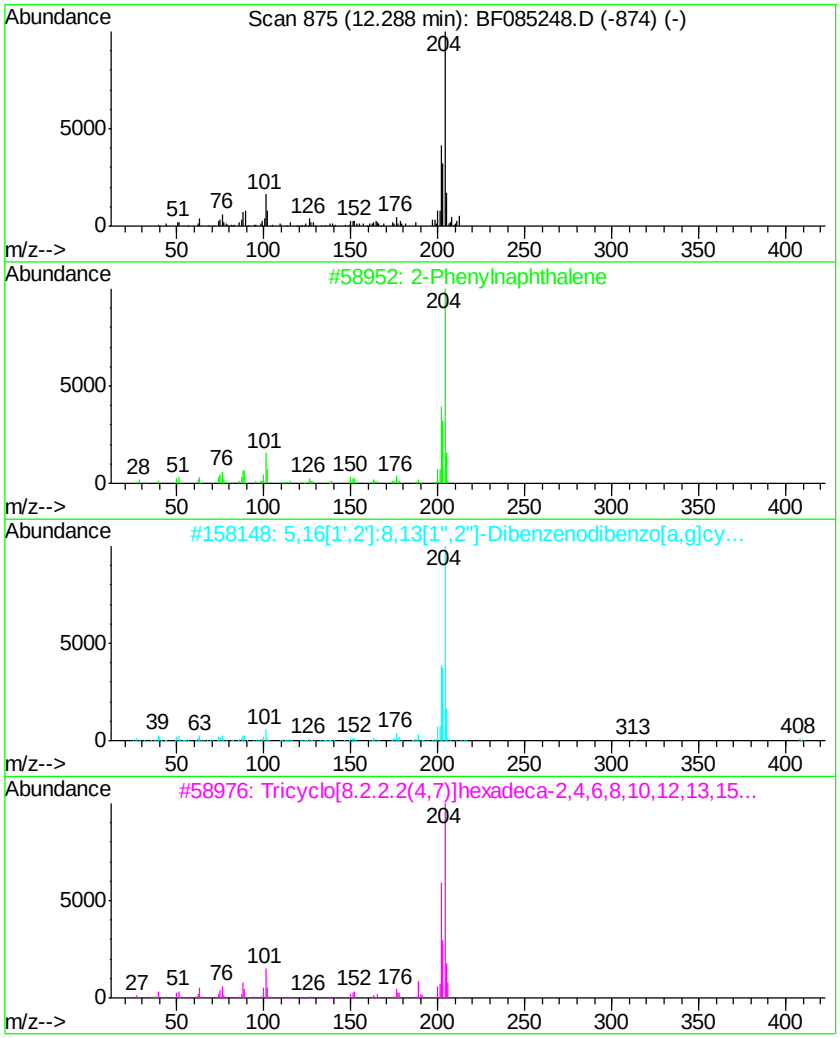
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

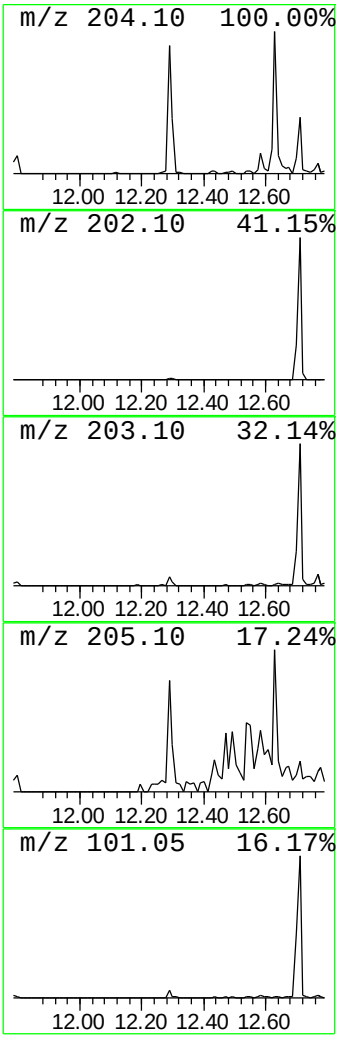
****

Peak Number 11 2-Phenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.27 ng	84927	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

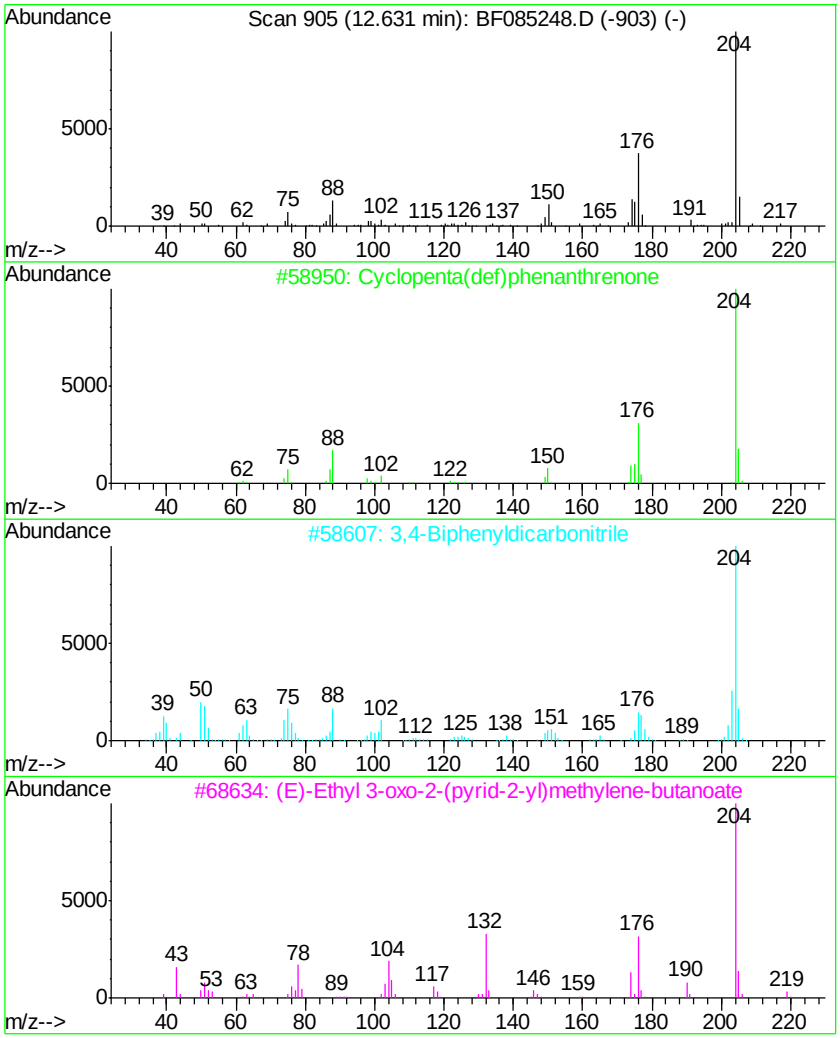
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

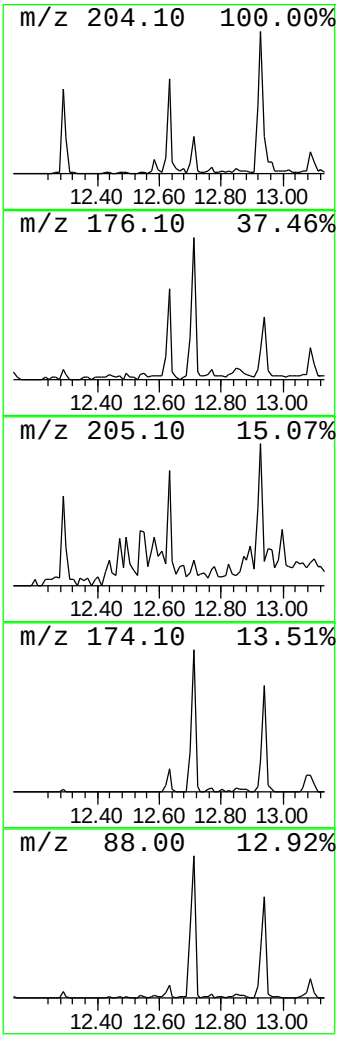
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.44 ng	91165	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

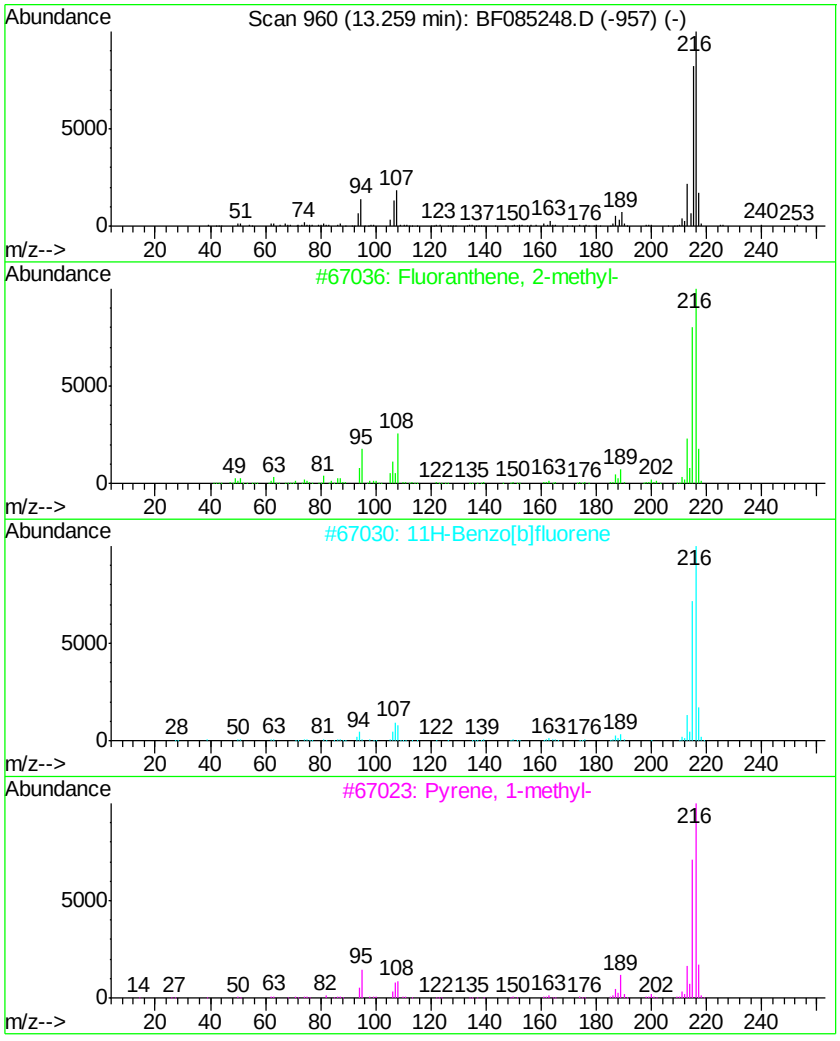
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

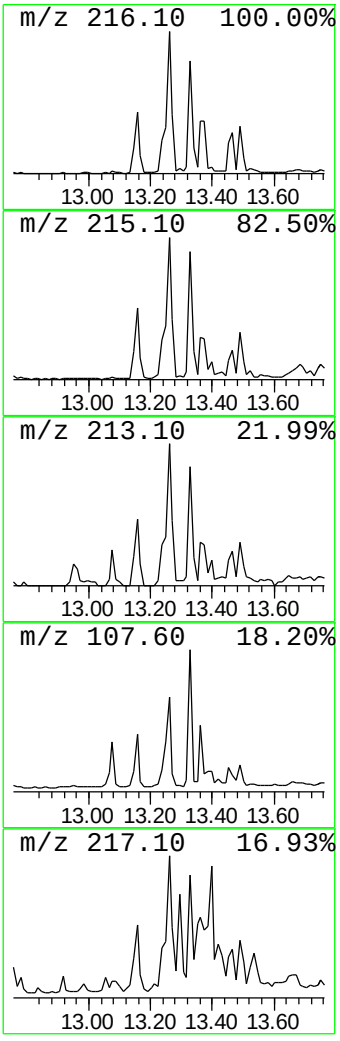
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.70 ng	252589	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

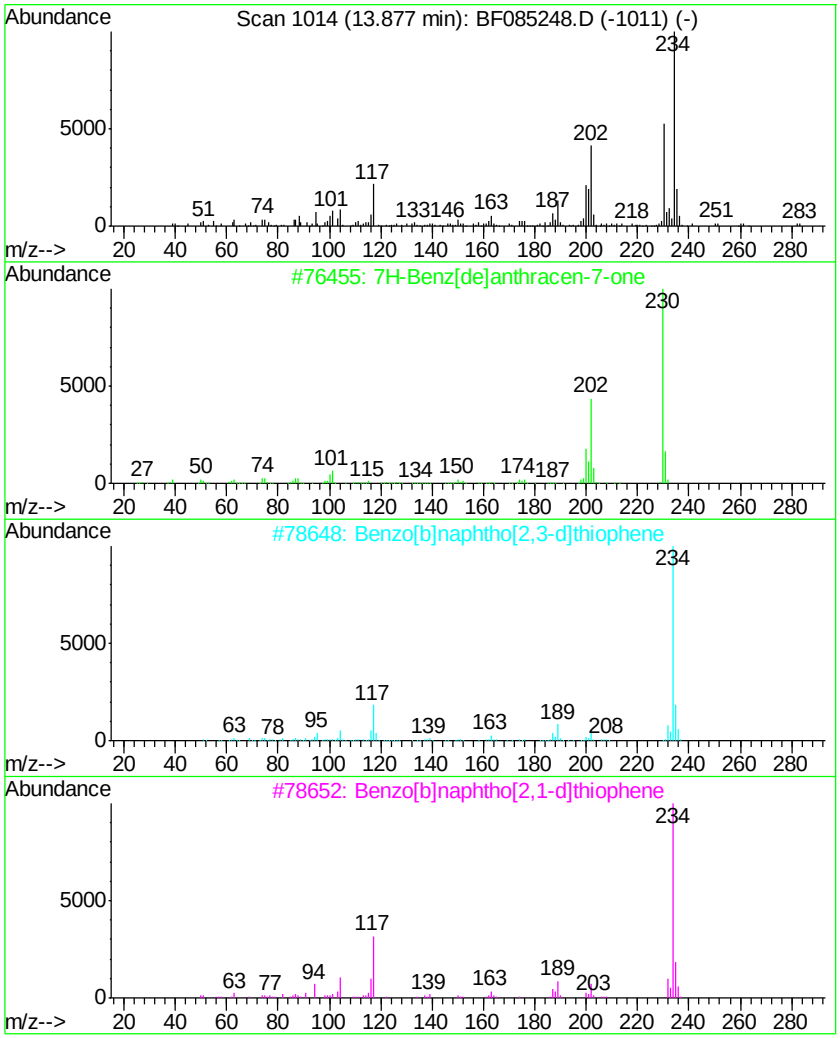
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

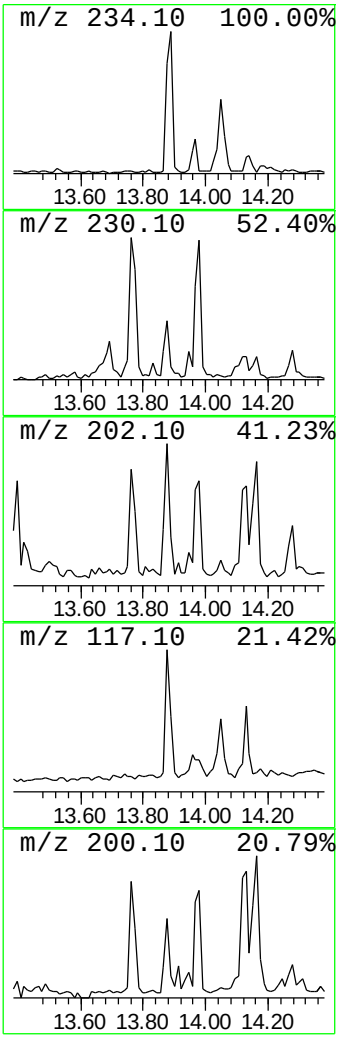
****

Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.21 ng	218985	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	46
5	Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

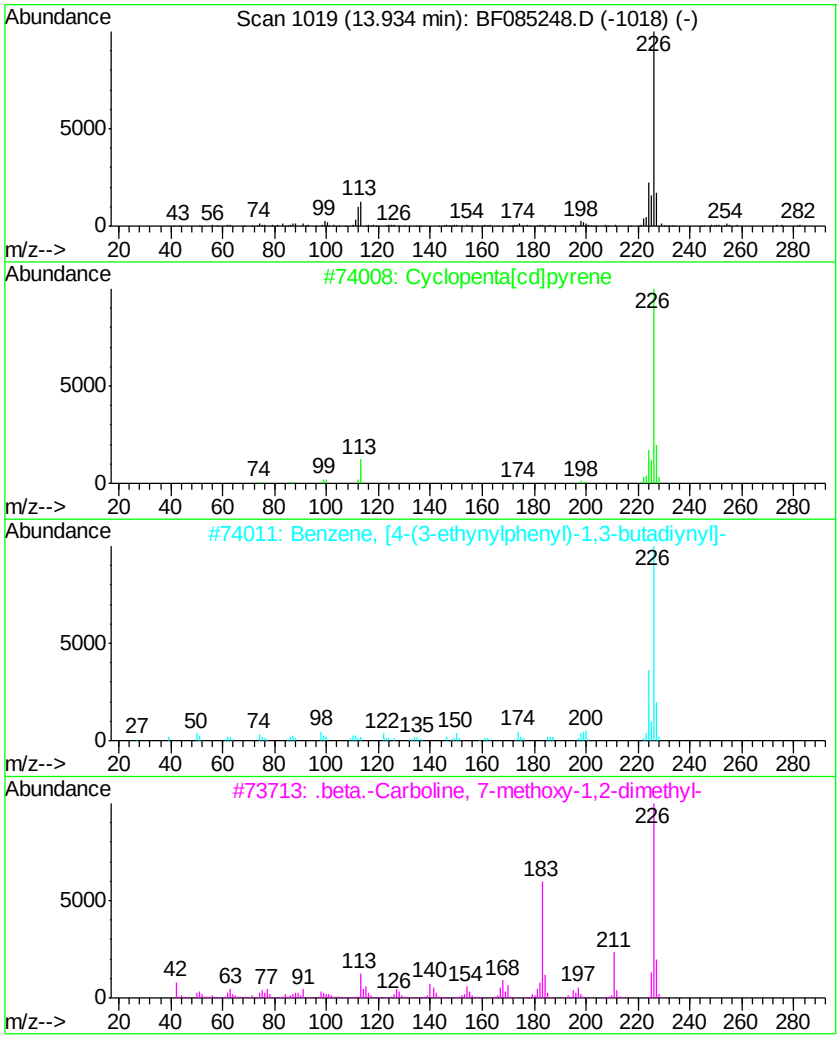
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

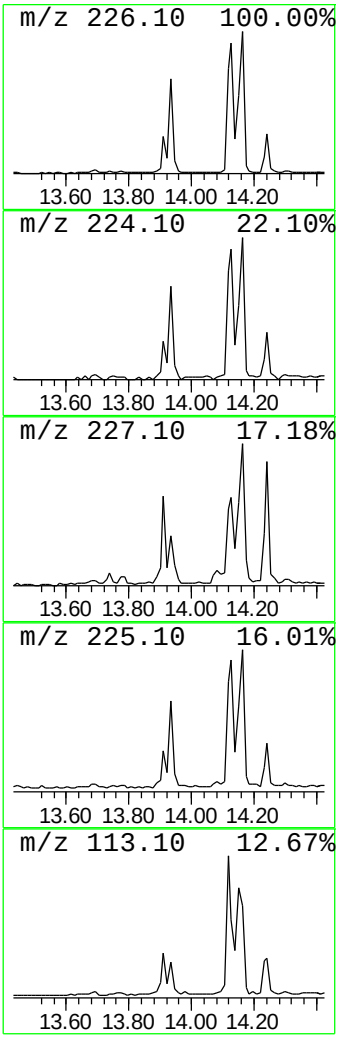
****

Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	2.28 ng	155622	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	42
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	37
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	36





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

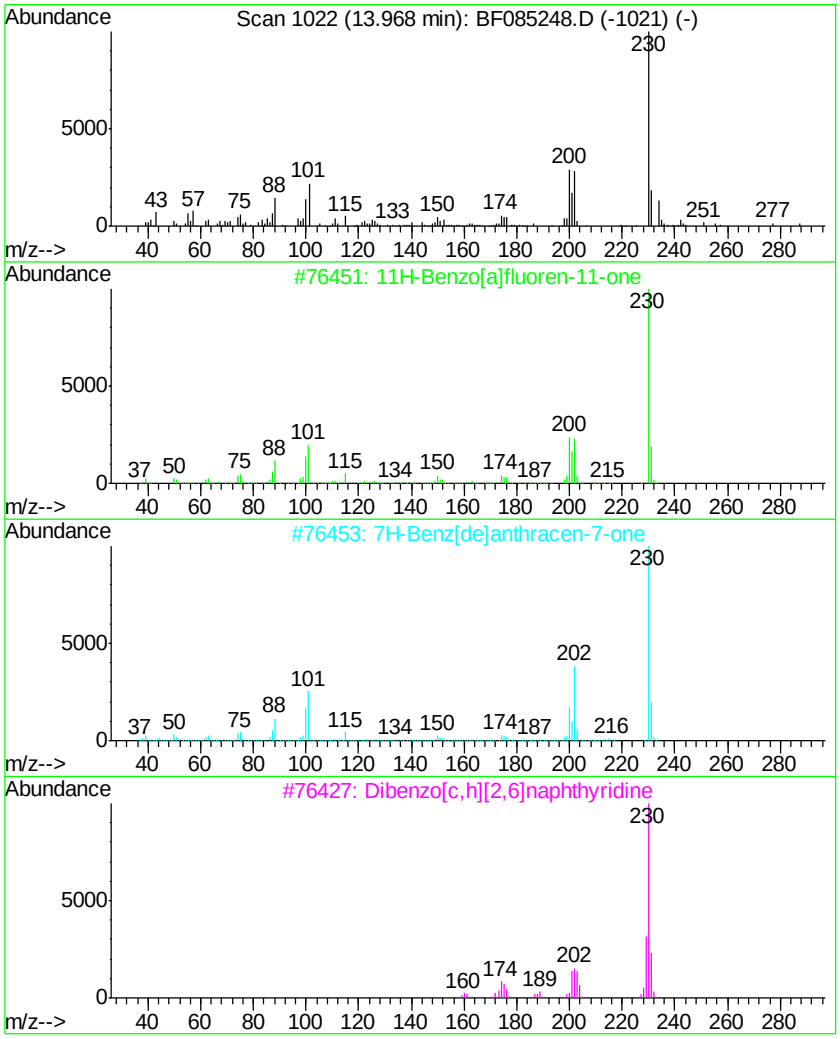
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

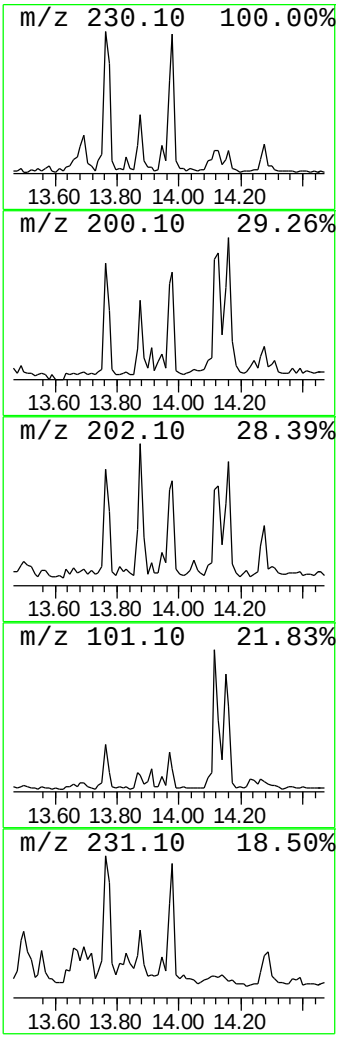
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.54 ng	173829	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	58
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	47
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	39





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

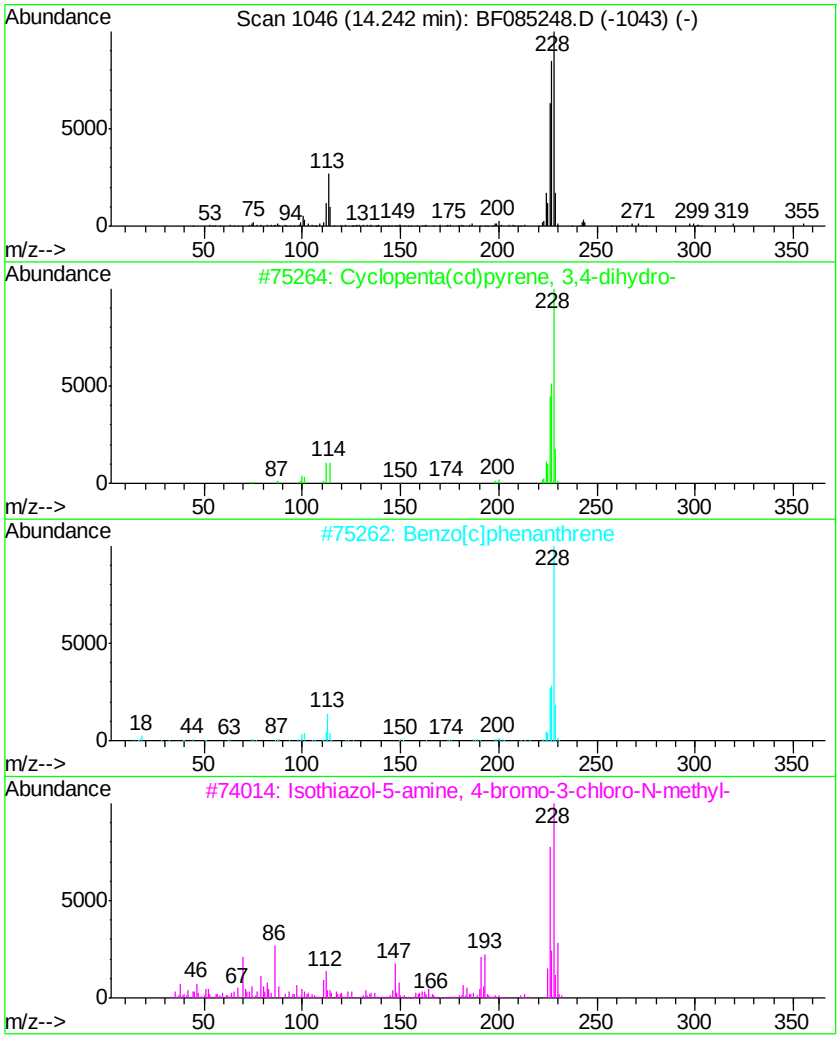
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

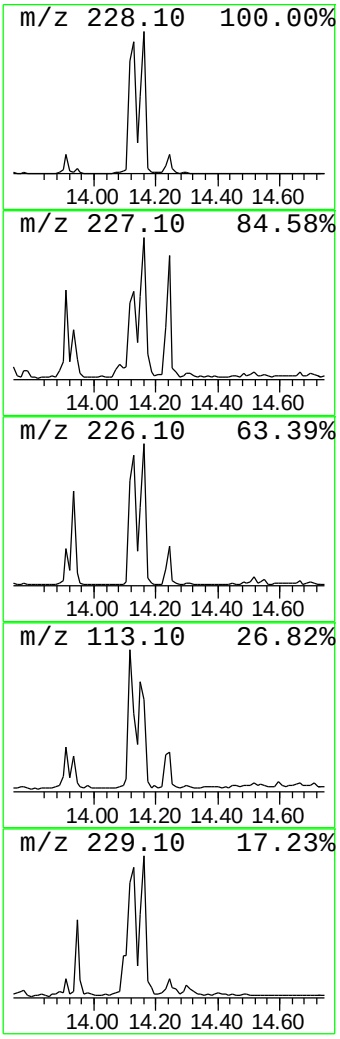
****

Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.37 ng	162081	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
4	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	46
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

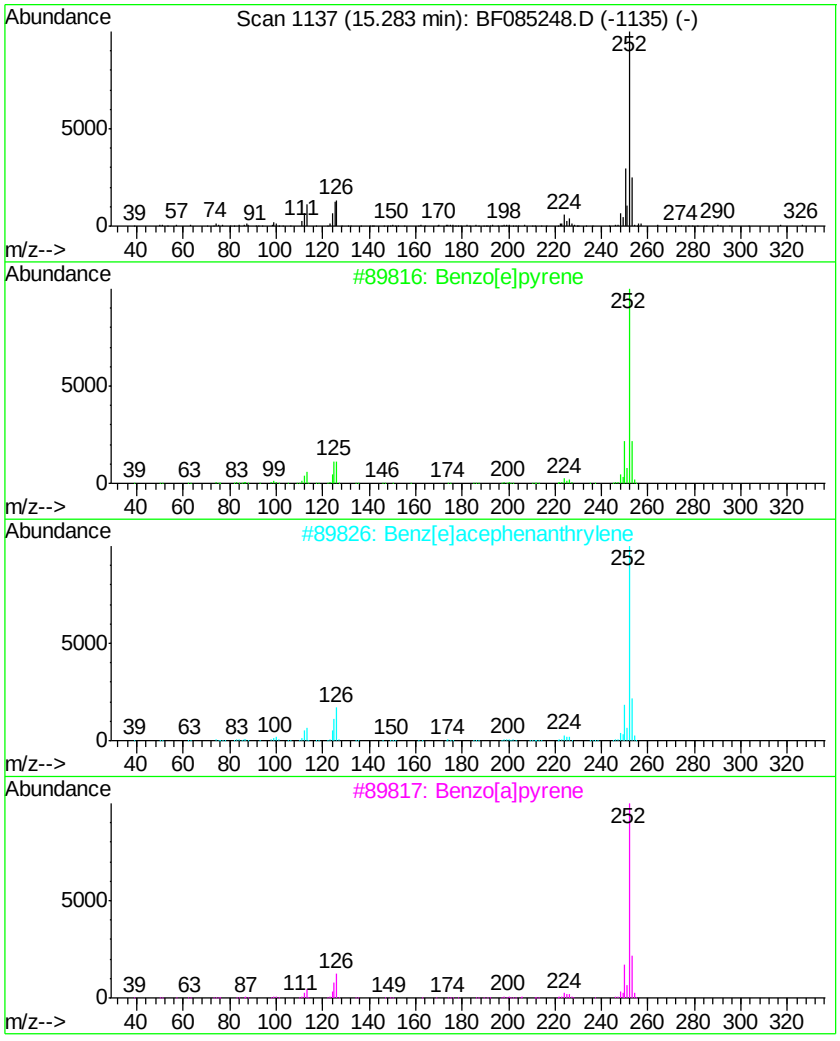
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

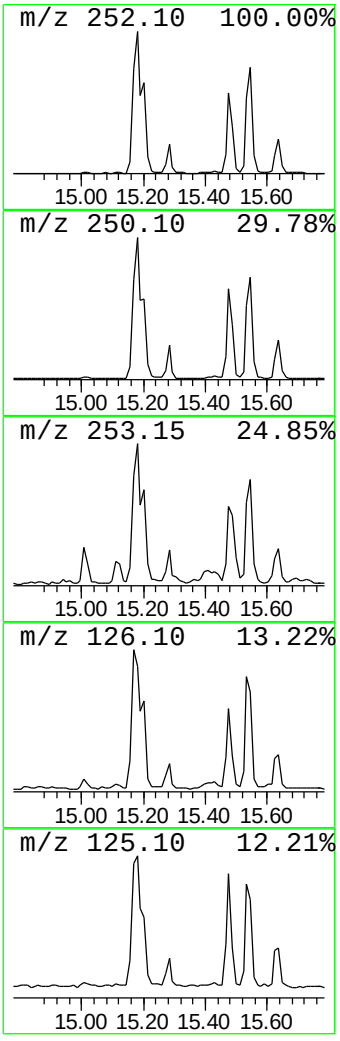
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	5.67 ng	123709	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

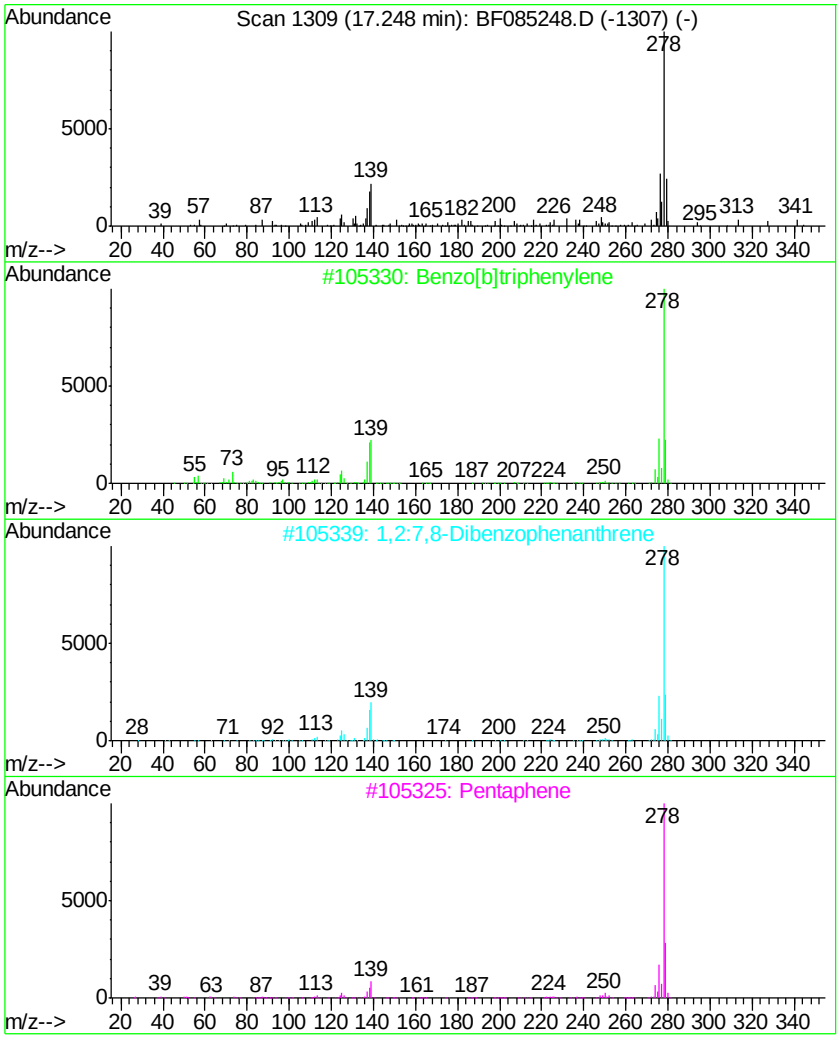
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

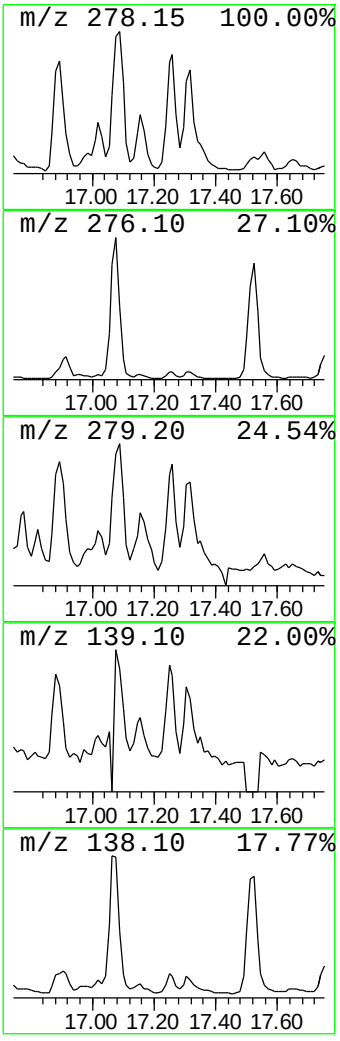
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	3.38 ng	73704	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
3	Pentaphene	278	C22H14	000222-93-5	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
Data File : BF085248.D
Acq On : 5 Mar 2016 12:20
Operator : SJ/IZ
Sample : H1675-07 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-004(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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	8.5	ng	194587	1	6.97	455890	20.0
unknown6.73	6.73	27.8	ng	633001	1	6.97	455890	20.0
Tridecane	10.92	2.3	ng	85240	4	11.50	747472	20.0
Phenanthrene, 1-m...	11.99	2.9	ng	108734	4	11.50	747472	20.0
Phenanthrene, 2-m...	12.03	3.1	ng	116595	4	11.50	747472	20.0
4H-Cyclopenta[def...	12.11	8.0	ng	300320	4	11.50	747472	20.0
2-Phenylnaphthalene	12.29	2.3	ng	84927	4	11.50	747472	20.0
Cyclopenta(def)ph...	12.63	2.4	ng	91165	4	11.50	747472	20.0
Fluoranthene, 2-m...	13.26	3.7	ng	252589	5	14.13	1366140	20.0
7H-Benz[de]anthra...	13.88	3.2	ng	218985	5	14.13	1366140	20.0
Cyclopenta[cd]pyrene	13.93	2.3	ng	155622	5	14.13	1366140	20.0
11H-Benzo[a]fluor...	13.97	2.5	ng	173829	5	14.13	1366140	20.0
Cyclopenta(cd)pyr...	14.24	2.4	ng	162081	5	14.13	1366140	20.0
Benzo[e]pyrene	15.28	5.7	ng	123709	6	15.60	436158	20.0
Benzo[b]triphenylene	17.25	3.4	ng	73704	6	15.60	436158	20.0