LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

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-BF102616.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	4.899	245	246	253	rBV	84856	104783	4.10%	0.363%
2	5.344	283	285	296	rBV	313815	341079	13.35%	1.181%
3	6.396	375	377	386	rBV	318167	396112	15.50%	1.372%
4	6.522	386	388	398	rVB	436874	454151	17.77%	1.573%
5	6.762	406	409	411	rBV	1229307	1211492	47.41%	4.195%
6	6.910	420	422	425	rBV	298431	310551	12.15%	1.075%
7	7.322	456	458	465	rBV	180514	237048	9.28%	0.821%
8	8.053	519	522	524	rBV	1460901	1832506	71.71%	6.345%
9	8.762	582	584	588	rBV	72736	69014	2.70%	0.239%
10	8.865	590	593	595	rVV	54764	60303	2.36%	0.209%
11	9.128	613	616	618	rBV	501209	448983	17.57%	1.555%
12	9.230	622	625	631	rVB	22944	34122	1.34%	0.118%
13	9.390	636	639	643	rBV	34122	48546	1.90%	0.168%
14	9.459	643	645	647	rBV	73201	92558	3.62%	0.320%
15	9.528	649	651	653	rVV	94233	122308	4.79%	0.423%
16	9.573	653	655	660	rVB2	24893	51141	2.00%	0.177%
17	9.665	660	663	665	rBV	85085	87201	3.41%	0.302%
18	9.802	672	675	677	rBV	2397007	2091383	81.84%	7.242%
19	9.836	677	678	680	rVB	265449	198012	7.75%	0.686%
20	9.962	687	689	690	rBV2	28836	29558	1.16%	0.102%
21	10.008	690	693	695	rBV	197811	187161	7.32%	0.648%
22	10.042	695	696	700	rVB	27331	30295	1.19%	0.105%
23	10.122	700	703	704	rBV2	27452	28980	1.13%	0.100%
24	10.213	708	711	716	rBV4	28884	73335	2.87%	0.254%
25	10.316	716	720	721	rBV2	15413	28544	1.12%	0.099%
26	10.351	721	723	725	rBV	270843	285718	11.18%	0.989%
27	10.408	725	728	729	rBV	20339	36540	1.43%	0.127%
28	10.511	735	737	739	rVB	63805	77356	3.03%	0.268%
29	10.591	741	744	746	rVV	257135	307936	12.05%	1.066%
30	10.636	746	748	750	rVV2	24754	31351	1.23%	0.109%
31	10.716	753	755	759	rVB	44637	46452	1.82%	0.161%
32	10.899	767	771	772	rBV2	61003	95954	3.75%	0.332%
33	10.979	775	778	779	rVB2	32645	38082	1.49%	0.132%
34	11.025	779	782	787	rBV2	40802	99727	3.90%	0.345%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.093	787	788	790	rVB2	31282	28995	1.13%	0.100%
36	11.139	790	792	793	rBV	55975	73335	2.87%	0.254%
37	11.185	793	796	799	rVB2	94861	150390	5.88%	0.521%
38	11.288	802	805	806	rBV	1894339	2048684	80.17%	7.094%
39	11.311	806	807	809	rVV	2520623	1900034	74.35%	6.579%
40	11.356	809	811	813	rVV	415810	464240	18.17%	1.607%
41	11.391	813	814	816	rVV	39557	55707	2.18%	0.193%
42	11.436	816	818	822	rVB4	13393	35785	1.40%	0.124%
43	11.516	822	825	829	rBV2	116434	192480	7.53%	0.666%
44	11.585	829	831	833	rVB2	48808	45163	1.77%	0.156%
45	11.791	846	849	850	rBV	139500	195911	7.67%	0.678%
46	11.814	850	851	853	rVV	264636	229832	8.99%	0.796%
47	11.859	853	855	857	rVV	110635	123899	4.85%	0.429%
48	11.894	857	858	863	rVB	295713	450622	17.63%	1.560%
49	11.974	863	865	866	rBV2	17616	26514	1.04%	0.092%
50	11.996	866	867	868	rVV	40273	31809	1.24%	0.110%
51	12.088	872	875	880	rVB2	89288	158137	6.19%	0.548%
52	12.156	880	881	885	rVB2	22977	27424	1.07%	0.095%
53	12.236	885	888	889	rBV	38974	58340	2.28%	0.202%
54	12.339	894	897	898	rBV	79657	107316	4.20%	0.372%
55	12.374	898	900	903	rVB2	54621	102234	4.00%	0.354%
56	12.419	903	904	908	rVB2	56196	68760	2.69%	0.238%
57	12.499	908	911	913	rBV	1752544	1700154	66.53%	5.887%
58	12.556	913	916	918	rVV2	21859	40127	1.57%	0.139%
59	12.648	920	924	928	rBV2	52772	117834	4.61%	0.408%
60	12.728	928	931	933	rBV	1248566	1671325	65.40%	5.787%
61	12.774	933	935	939	rVB2	70080	101693	3.98%	0.352%
62	12.842	939	941	942	rBV	68646	75836	2.97%	0.263%
63	12.865	942	943	947	rVB2	303864	417056	16.32%	1.444%
64	12.945	947	950	954	rBV3	89327	173289	6.78%	0.600%
65	13.048	955	959	961	rVB2	163309	280783	10.99%	0.972%
66	13.117	963	965	967	rBV	151176	141736	5.55%	0.491%
67	13.151	967	968	972	rVB2	115647	157447	6.16%	0.545%
68	13.242	975	976	978	rVB	56653	62045	2.43%	0.215%
69	13.277	978	979	981	rBV	79614	72859	2.85%	0.252%
70	13.459	991	995	1000	rBV3	56316	175643	6.87%	0.608%
71	13.562	1000	1004	1006	rBV2	47660	112920	4.42%	0.391%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.665	1011	1013	1015	rVV2	58114	122164	4.78%	0.423%
73	13.699	1015	1016	1017	rVV	106213	102689	4.02%	0.356%
74	13.722	1017	1018	1021	rVV2	72115	125593	4.91%	0.435%
75	13.768	1021	1022	1026	rVB2	45229	82347	3.22%	0.285%
76	13.917	1032	1035	1042	rBV2	1328703	2555524	100.00%	8.849%
77	14.031	1042	1045	1046	rBV2	59978	91078	3.56%	0.315%
78	14.099	1049	1051	1053	rBV3	34232	51117	2.00%	0.177%
79	14.305	1067	1069	1071	rBV	88078	112528	4.40%	0.390%
80	14.408	1075	1078	1079	rVB3	41912	62532	2.45%	0.217%
81	14.614	1094	1096	1097	rBV2	33657	41839	1.64%	0.145%
82	14.785	1108	1111	1115	rBV3	35298	88770	3.47%	0.307%
83	14.934	1121	1124	1129	rBV	454597	827874	32.40%	2.867%
84	15.037	1130	1133	1135	rVB2	63101	108839	4.26%	0.377%
85	15.208	1146	1148	1151	rVB	230607	320959	12.56%	1.111%
86	15.277	1151	1154	1156	rVV	306179	465344	18.21%	1.611%
87	15.334	1156	1159	1165	rVB	1039358	1471918	57.60%	5.097%
88	15.768	1196	1197	1200	rVB2	33602	40606	1.59%	0.141%
89	16.671	1274	1276	1282	rVB2	137301	284394	11.13%	0.985%
90	16.843	1288	1291	1293	rBV	37785	73219	2.87%	0.254%
91	16.900	1293	1296	1298	rVV	25089	49192	1.92%	0.170%
92	17.083	1308	1312	1318	rVB	121110	268370	10.50%	0.929%
93	17.300	1328	1331	1334	rBV	33904	68948	2.70%	0.239%

Sum of corrected areas: 28880484

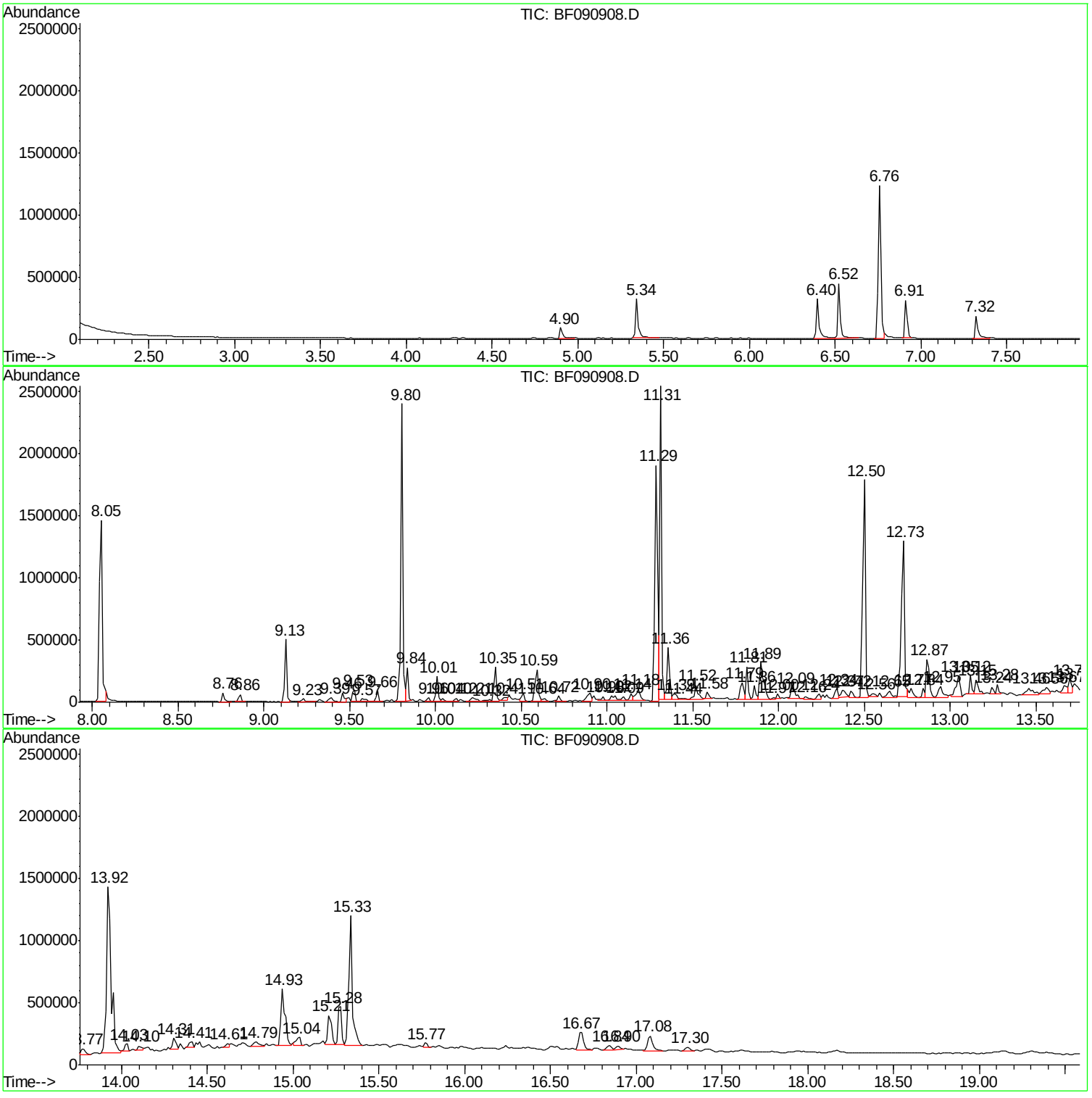
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

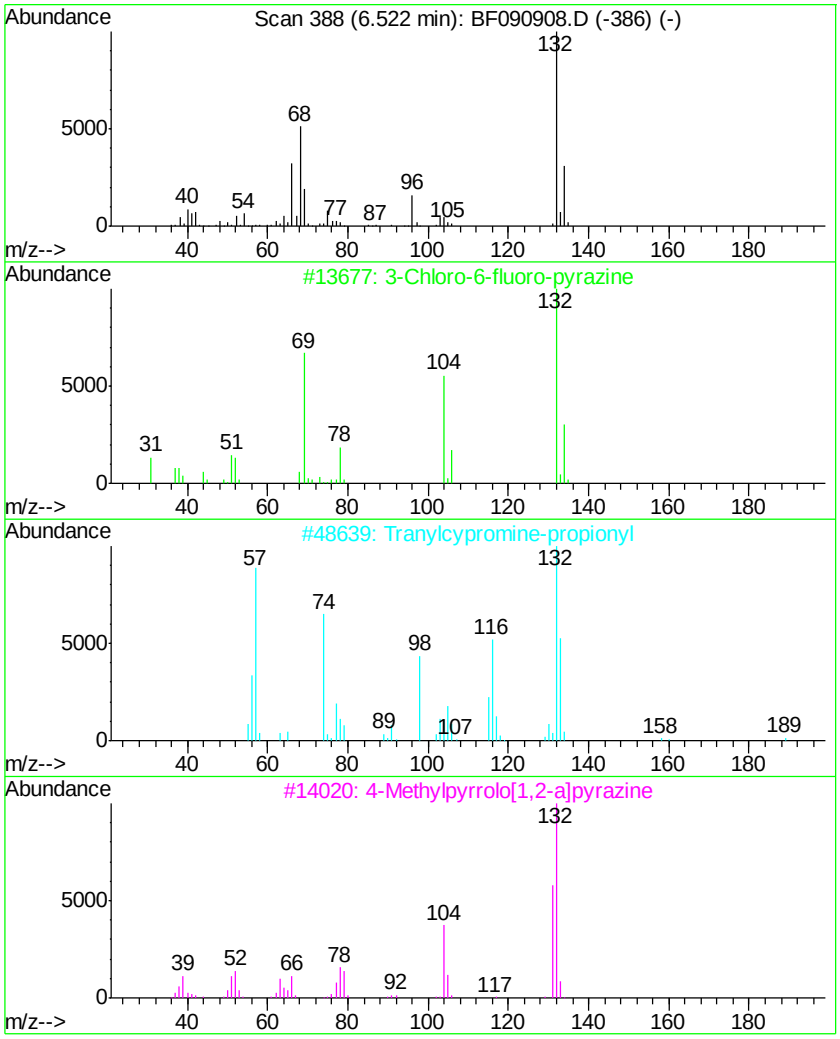
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

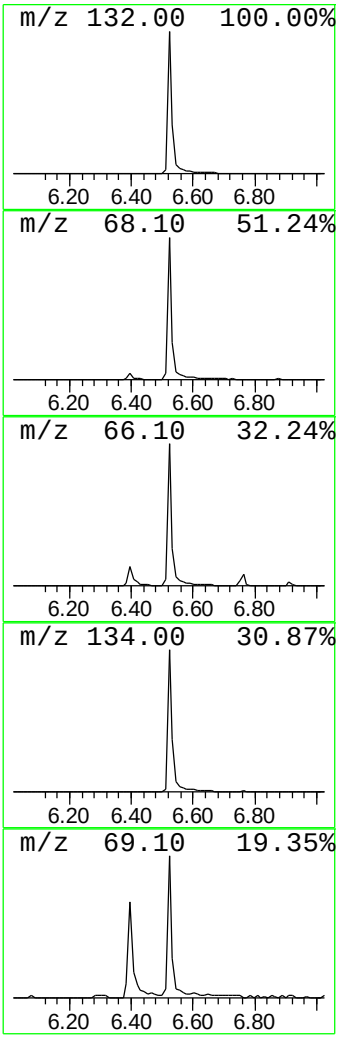
****

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	7.50 ng	454151	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

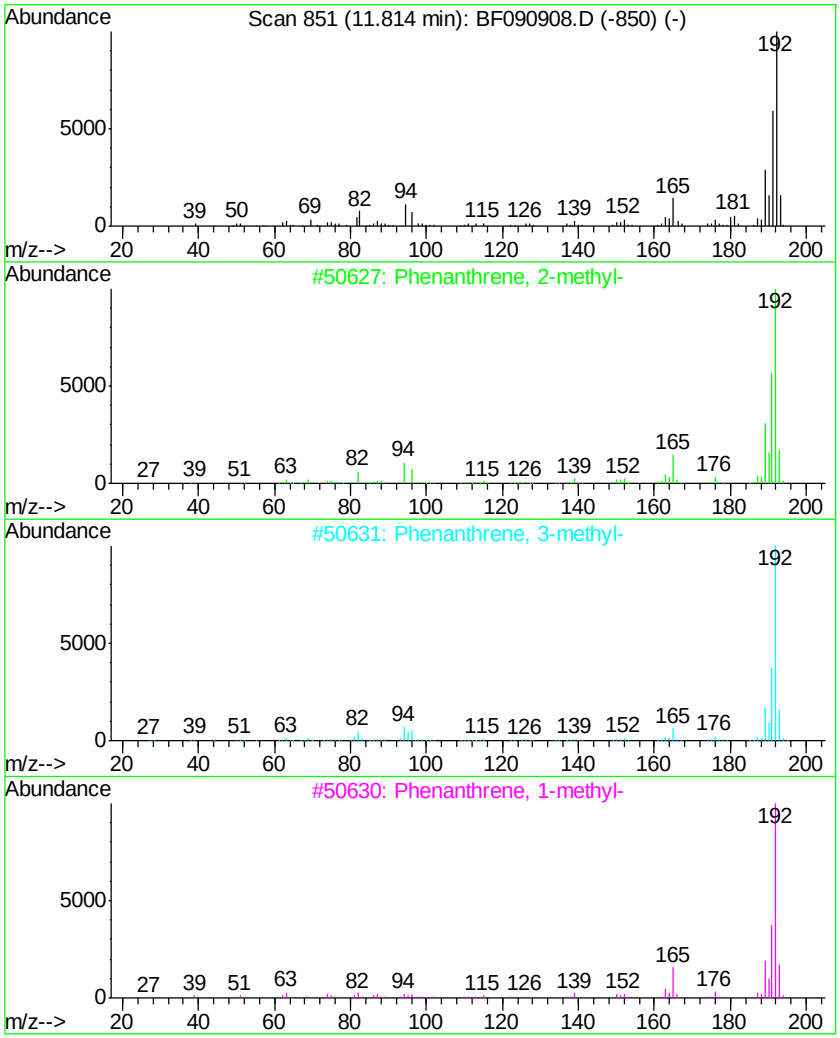
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

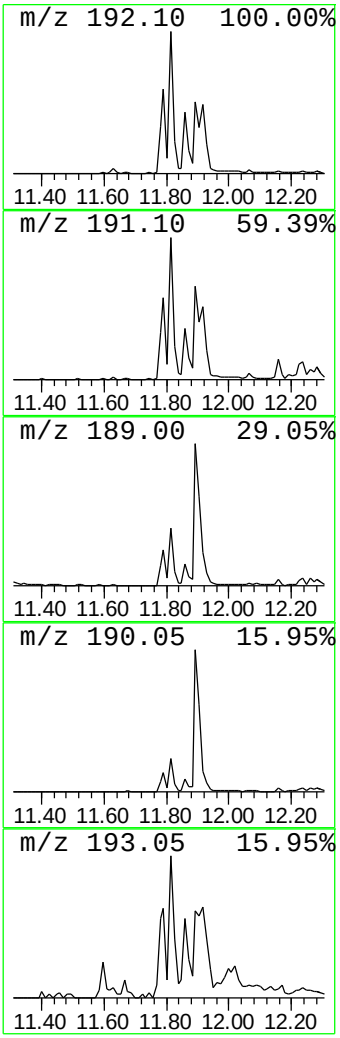
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.24 ng	229832	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

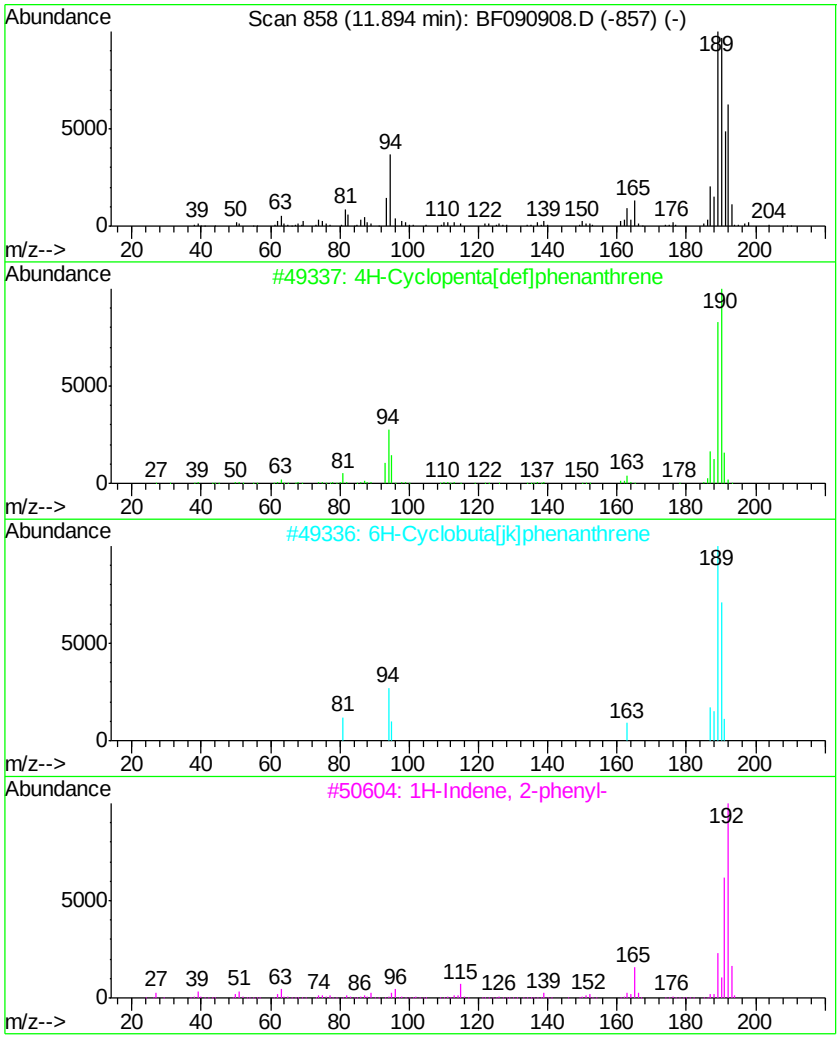
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

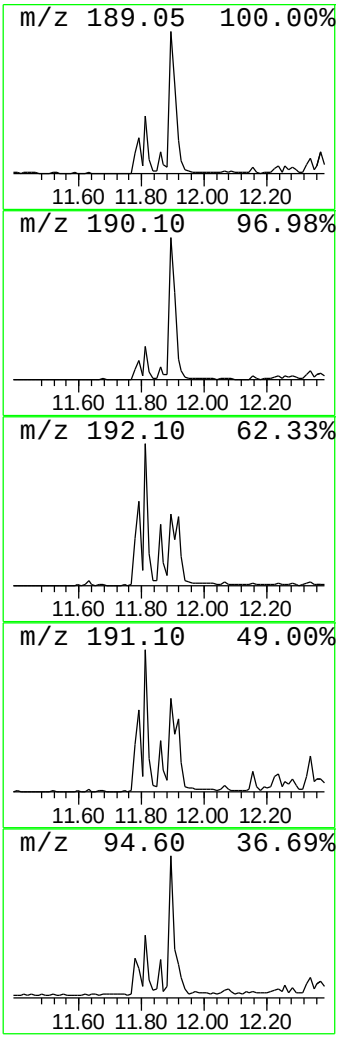
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.40 ng	450622	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Operator : UM/SJ
Sample : H5411-02 10X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

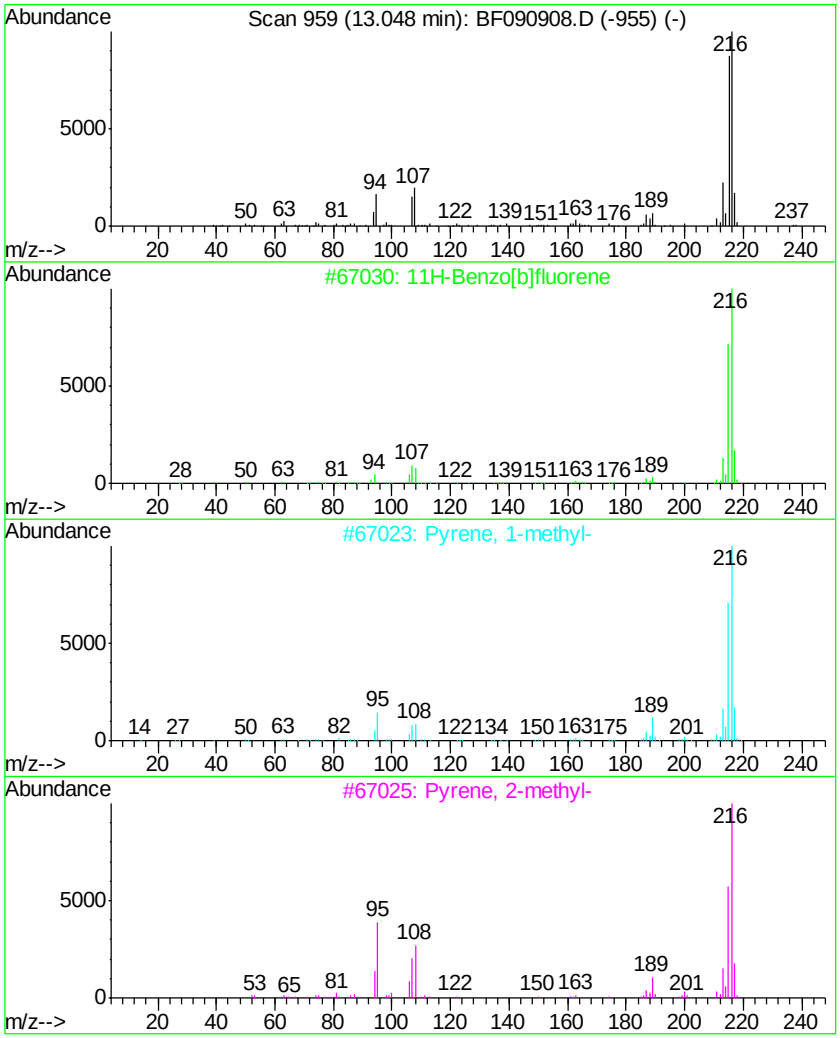
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

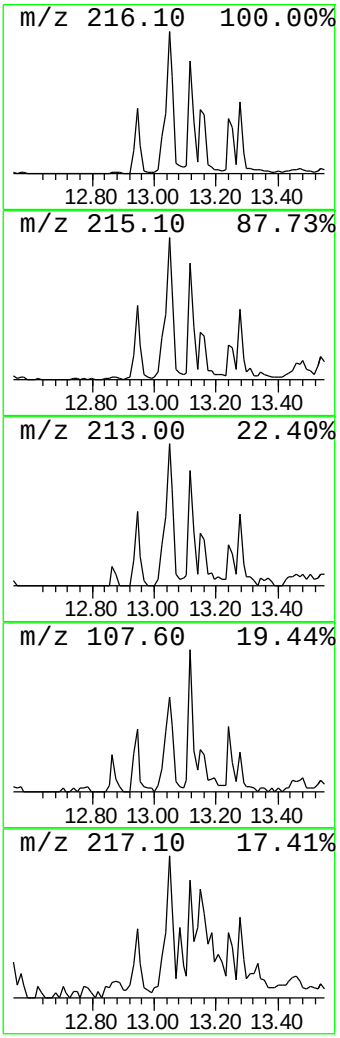
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.20 ng	280783	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

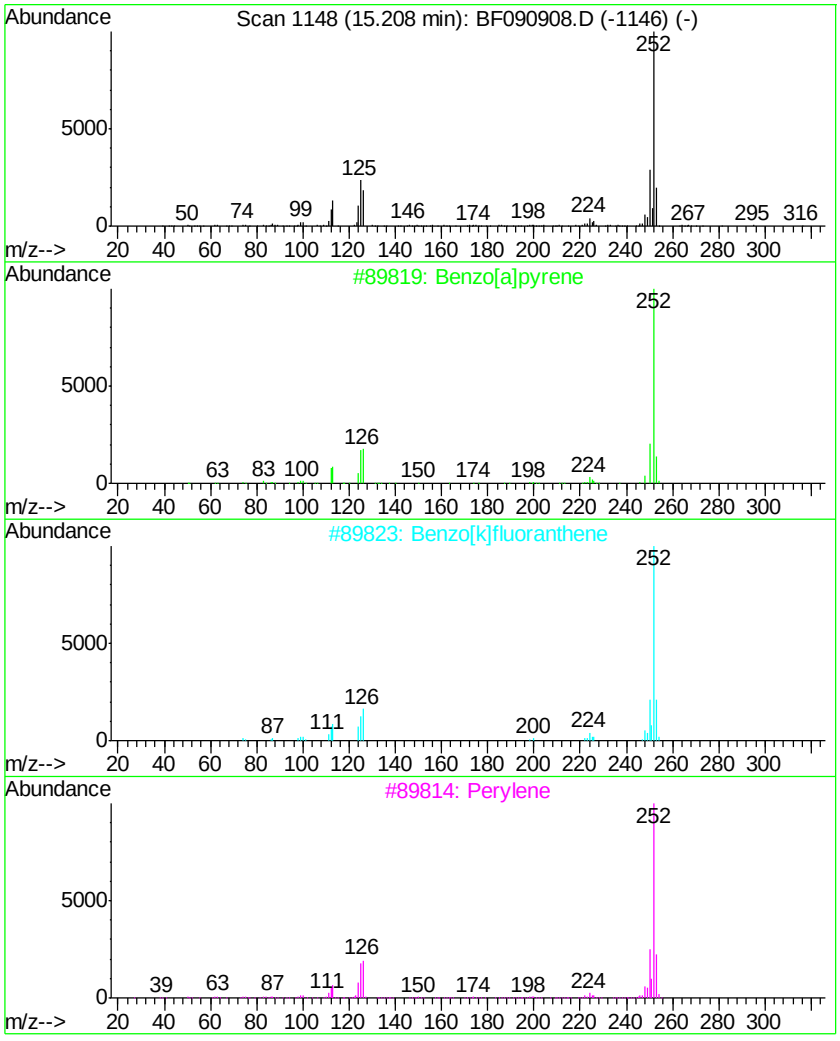
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

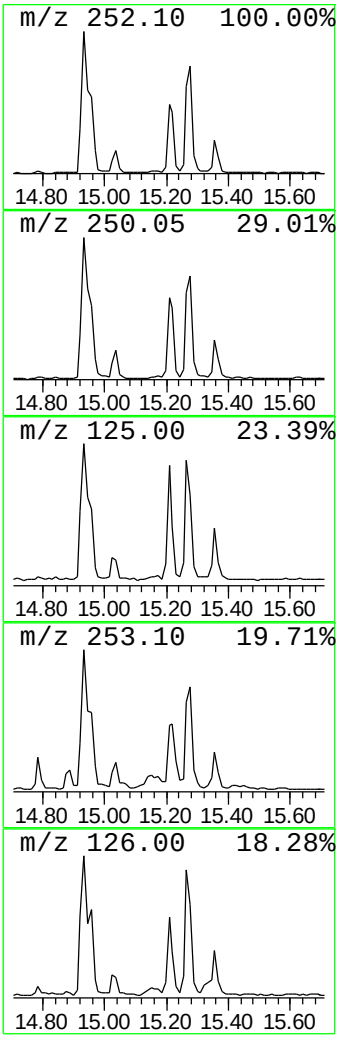
****

Peak Number 6 Benzo[a]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.36 ng	320959	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[e]pyrene	252	C20H12	000192-97-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02 10X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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
unknown6.52	6.52	7.5	ng	454151	1	6.76	1211490	20.0
Phenanthrene, 2-m...	11.81	2.2	ng	229832	4	11.29	2048680	20.0
4H-Cyclopenta[def...	11.89	4.4	ng	450622	4	11.29	2048680	20.0
11H-Benzo[b]fluorene	13.05	2.2	ng	280783	5	13.93	2555520	20.0
Benzo[a]pyrene	15.21	4.4	ng	320959	6	15.33	1471920	20.0