LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090266.D
Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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	74	rVB	2526426	8310417	100.00%	13.285%
2	5.027	299	301	304	rBV	93674	149196	1.80%	0.239%
3	5.987	383	385	386	rBV	88261	114126	1.37%	0.182%
4	6.124	394	397	400	rBV	180350	256706	3.09%	0.410%
5	6.239	403	407	410	rBV2	239461	323644	3.89%	0.517%
6	6.330	413	415	417	rVB2	109170	98956	1.19%	0.158%
7	6.479	426	428	430	rVV	401166	593853	7.15%	0.949%
8	6.627	439	441	446	rVB2	232496	306595	3.69%	0.490%
9	6.742	446	451	456	rBV5	55974	156877	1.89%	0.251%
10	6.867	461	462	469	rVV6	57358	134165	1.61%	0.214%
11	7.039	473	477	481	rVV2	94261	214906	2.59%	0.344%
12	7.107	481	483	485	rVV	98013	107131	1.29%	0.171%
13	7.759	538	540	545	rBV2	716303	1319875	15.88%	2.110%
14	8.467	600	602	605	rBV	166137	185770	2.24%	0.297%
15	8.570	609	611	613	rVB	193066	174982	2.11%	0.280%
16	8.833	633	634	637	rVB	260292	250676	3.02%	0.401%
17	9.096	655	657	661	rBV	73500	107785	1.30%	0.172%
18	9.165	661	663	664	rBV	183520	172628	2.08%	0.276%
19	9.279	671	673	678	rVB2	93710	120389	1.45%	0.192%
20	9.359	678	680	683	rBV	707400	611956	7.36%	0.978%
21	9.496	690	692	694	rBV	943304	898494	10.81%	1.436%
22	9.530	694	695	697	rVV	281822	227080	2.73%	0.363%
23	9.702	708	710	712	rBV	318111	308908	3.72%	0.494%
24	9.816	718	720	722	rBV2	72049	92582	1.11%	0.148%
25	9.908	726	728	731	rBV	60036	112841	1.36%	0.180%
26	10.045	738	740	742	rVV	485277	497676	5.99%	0.796%
27	10.205	752	754	757	rVB	115752	145044	1.75%	0.232%
28	10.285	757	761	763	rBV3	199569	281464	3.39%	0.450%
29	10.582	785	787	789	rBV3	102441	191540	2.30%	0.306%
30	10.719	798	799	803	rBV3	70383	143617	1.73%	0.230%
31	10.776	803	804	807	rVB	217952	193747	2.33%	0.310%
32	10.833	807	809	810	rBV	69886	100701	1.21%	0.161%
33	10.868	810	812	816	rVB	215144	292518	3.52%	0.468%
34	10.993	819	823	825	rBV2	2605348	3705017	44.58%	5.923%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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	11.039	825	827	829	rVV	725757	784225	9.44%	1.254%
36	11.085	829	831	832	rVB2	84973	103987	1.25%	0.166%
37	11.199	838	841	846	rBV2	451921	709428	8.54%	1.134%
38	11.268	846	847	848	rVV	106483	92372	1.11%	0.148%
39	11.302	848	850	853	rVV3	120670	188331	2.27%	0.301%
40	11.382	853	857	859	rVB3	46954	99754	1.20%	0.159%
41	11.462	862	864	866	rBV	339299	573205	6.90%	0.916%
42	11.496	866	867	869	rVB	726325	544710	6.55%	0.871%
43	11.542	869	871	872	rBV	241812	218838	2.63%	0.350%
44	11.576	872	874	878	rVB2	794395	1178951	14.19%	1.885%
45	11.656	879	881	882	rBV	71180	134529	1.62%	0.215%
46	11.782	889	892	894	rVB2	361931	632512	7.61%	1.011%
47	11.908	902	903	905	rBV	93866	101161	1.22%	0.162%
48	11.942	905	906	910	rVB	142478	191883	2.31%	0.307%
49	12.011	910	912	914	rBV	314130	471264	5.67%	0.753%
50	12.045	914	915	918	rVV2	183579	235908	2.84%	0.377%
51	12.091	918	919	923	rVB2	236318	359493	4.33%	0.575%
52	12.171	923	926	929	rBV	2564887	3993589	48.06%	6.384%
53	12.228	929	931	932	rBV	146337	156913	1.89%	0.251%
54	12.262	932	934	936	rVB	293339	290639	3.50%	0.465%
55	12.308	936	938	942	rBV2	282388	436927	5.26%	0.698%
56	12.399	942	946	948	rBV2	2882526	3629527	43.67%	5.802%
57	12.445	948	950	953	rVB2	190781	327691	3.94%	0.524%
58	12.514	954	956	957	rBV	264091	225132	2.71%	0.360%
59	12.548	957	959	962	rVB	465501	507765	6.11%	0.812%
60	12.616	962	965	966	rBV2	339814	484034	5.82%	0.774%
61	12.719	970	974	976	rVB2	539267	920767	11.08%	1.472%
62	12.788	978	980	981	rBV	341247	281015	3.38%	0.449%
63	12.822	981	983	985	rVV	522852	522739	6.29%	0.836%
64	12.914	989	991	992	rVB	265054	222917	2.68%	0.356%
65	12.948	992	994	997	rBV3	152164	264317	3.18%	0.423%
66	13.108	1005	1008	1009	rBV3	101745	181155	2.18%	0.290%
67	13.142	1009	1011	1015	rVB4	124298	225931	2.72%	0.361%
68	13.222	1016	1018	1021	rVB	490453	530337	6.38%	0.848%
69	13.325	1025	1027	1029	rBV	387629	651614	7.84%	1.042%
70	13.359	1029	1030	1031	rVV	395129	378613	4.56%	0.605%
71	13.428	1035	1036	1038	rVB	354221	436553	5.25%	0.698%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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
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Peak separation: 5

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

72	13.496	1038	1042	1044	rBV2	93903	187553	2.26%	0.300%
73	13.576	1046	1049	1051	rBV2	1849276	3447593	41.49%	5.511%
74	13.611	1051	1052	1055	rVB	1721281	1747890	21.03%	2.794%
75	13.679	1056	1058	1060	rBV2	149396	186612	2.25%	0.298%
76	13.725	1060	1062	1063	rBV	229064	241196	2.90%	0.386%
77	13.931	1078	1080	1081	rBV2	92089	95897	1.15%	0.153%
78	13.965	1081	1083	1085	rVV	383414	470708	5.66%	0.752%
79	13.999	1085	1086	1088	rVV2	225069	251509	3.03%	0.402%
80	14.057	1090	1091	1092	rVV	163815	124982	1.50%	0.200%
81	14.091	1092	1094	1099	rVB4	219136	423406	5.09%	0.677%
82	14.274	1107	1110	1111	rBV	138572	234601	2.82%	0.375%
83	14.377	1117	1119	1121	rBV2	119711	204354	2.46%	0.327%
84	14.434	1121	1124	1128	rVV3	163000	338527	4.07%	0.541%
85	14.582	1133	1137	1142	rVV	1689780	3734550	44.94%	5.970%
86	14.651	1142	1143	1148	rVB	346444	524133	6.31%	0.838%
87	14.811	1155	1157	1160	rBV	1041511	1280227	15.41%	2.047%
88	14.868	1160	1162	1164	rVB	1405928	1598572	19.24%	2.555%
89	14.914	1164	1166	1167	rBV	411350	641494	7.72%	1.025%
90	15.451	1211	1213	1220	rVB3	154556	316436	3.81%	0.506%
91	15.702	1233	1235	1239	rBV3	100760	262246	3.16%	0.419%
92	15.794	1241	1243	1250	rVB4	194117	456303	5.49%	0.729%
93	15.931	1251	1255	1261	rVB4	137933	490158	5.90%	0.784%
94	16.057	1263	1266	1270	rVB	645554	1120305	13.48%	1.791%
95	16.194	1275	1278	1279	rBV	96695	161279	1.94%	0.258%
96	16.240	1279	1282	1284	rVB	119464	184067	2.21%	0.294%
97	16.400	1292	1296	1299	rBV	481494	858913	10.34%	1.373%
98	16.571	1309	1311	1313	rBV	98374	143730	1.73%	0.230%
99	18.114	1443	1446	1452	rVB	145609	409331	4.93%	0.654%
100	18.251	1455	1458	1462	rBV	75042	227635	2.74%	0.364%

Sum of corrected areas: 62554795

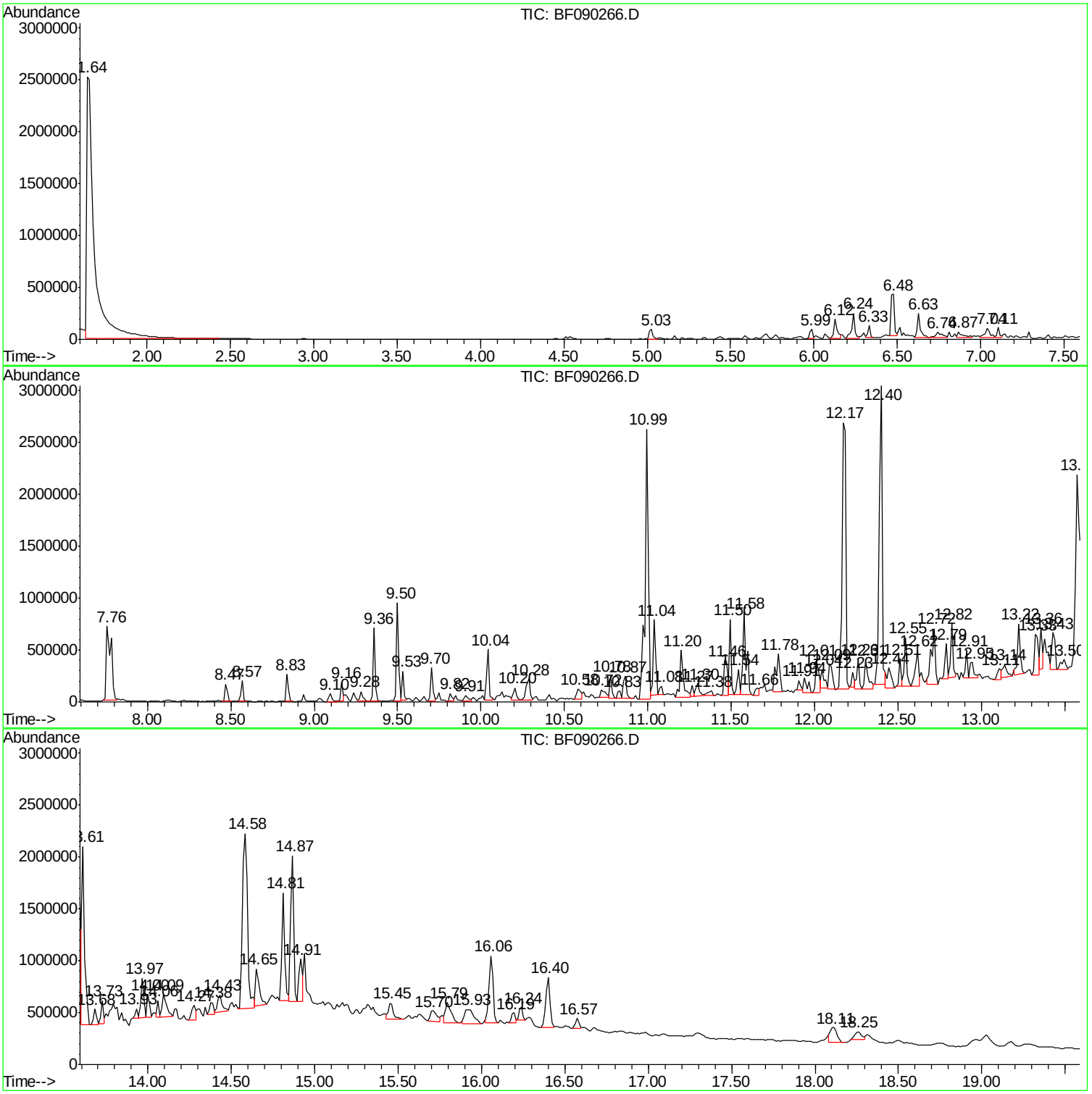
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090266.D
Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3-1-LOC-3(0-5)

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 : BF090266.D
Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

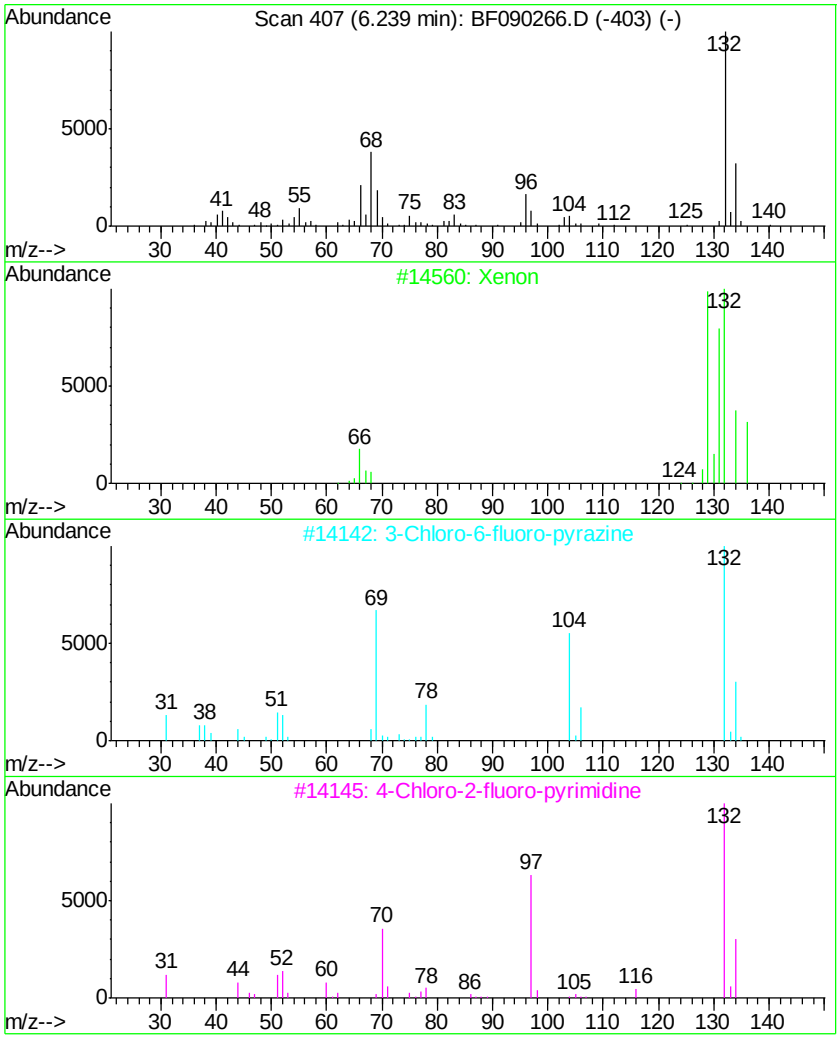
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

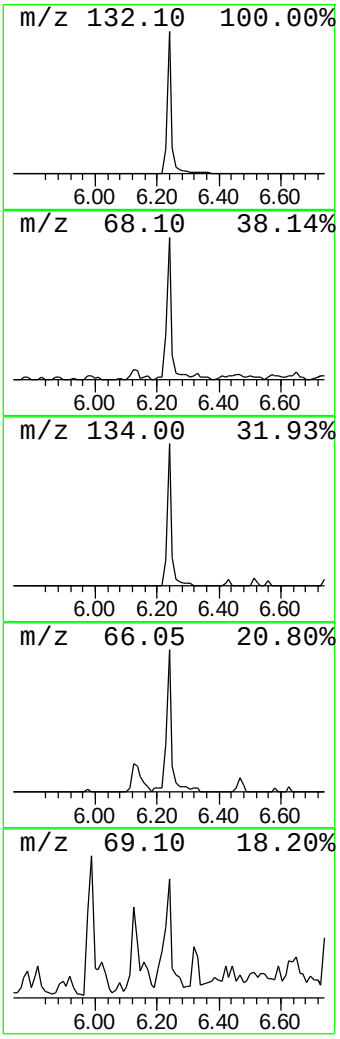
****

Peak Number 2 Xenon Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	10.90 ng	323644	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	53
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
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Acq On : 27 Sep 2016 21:49
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Sample : H4949-05 10X
Misc :
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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

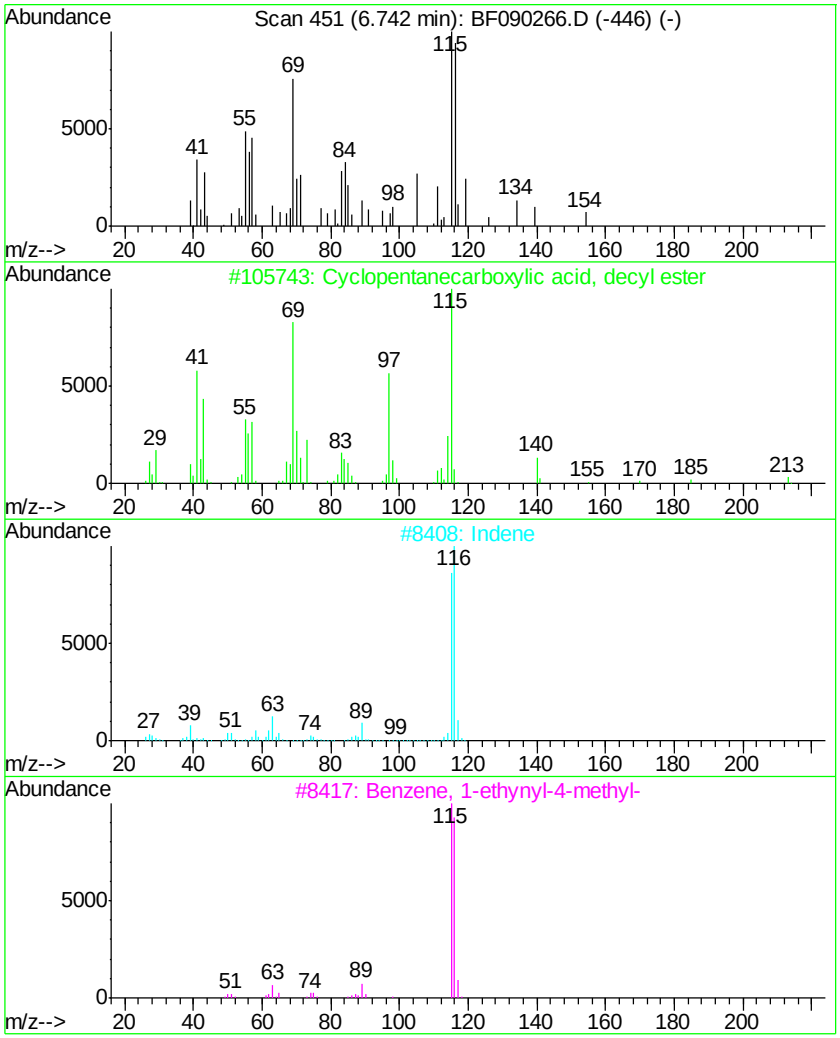
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

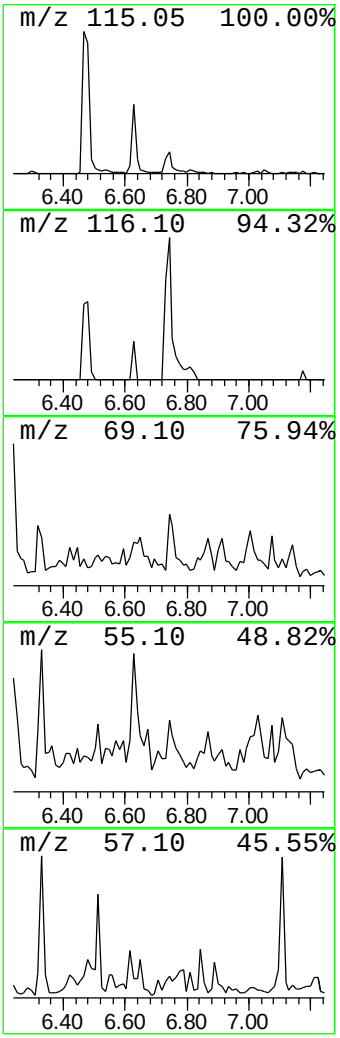
****

Peak Number 4 unknown6.74 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	5.28 ng	156877	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, dec...	254	C16H30O2	1000280-46-1	38
2	Indene	116	C9H8	000095-13-6	38
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	38
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	35
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	35





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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

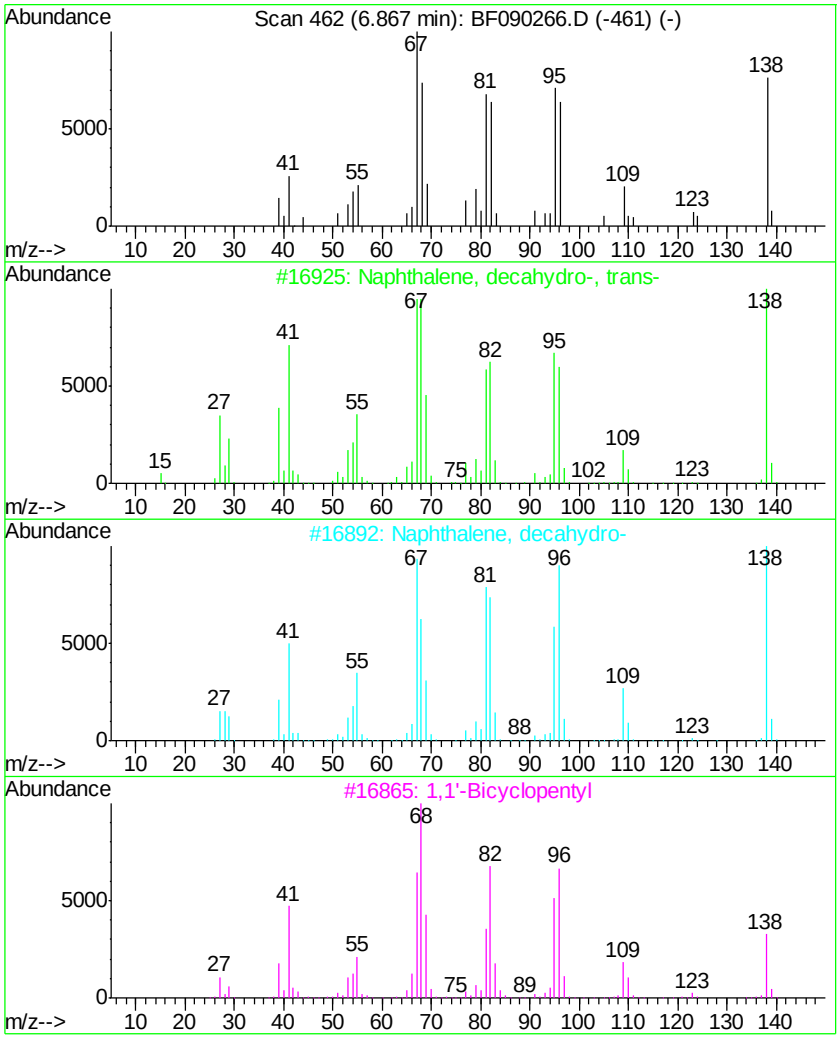
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

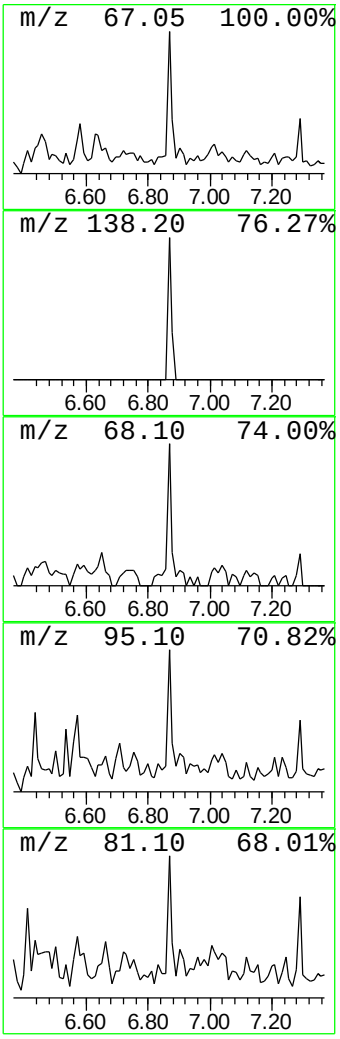
****

Peak Number 5 Naphthalene, decahydro-, tr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	4.52 ng	134165	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	80
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	78
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
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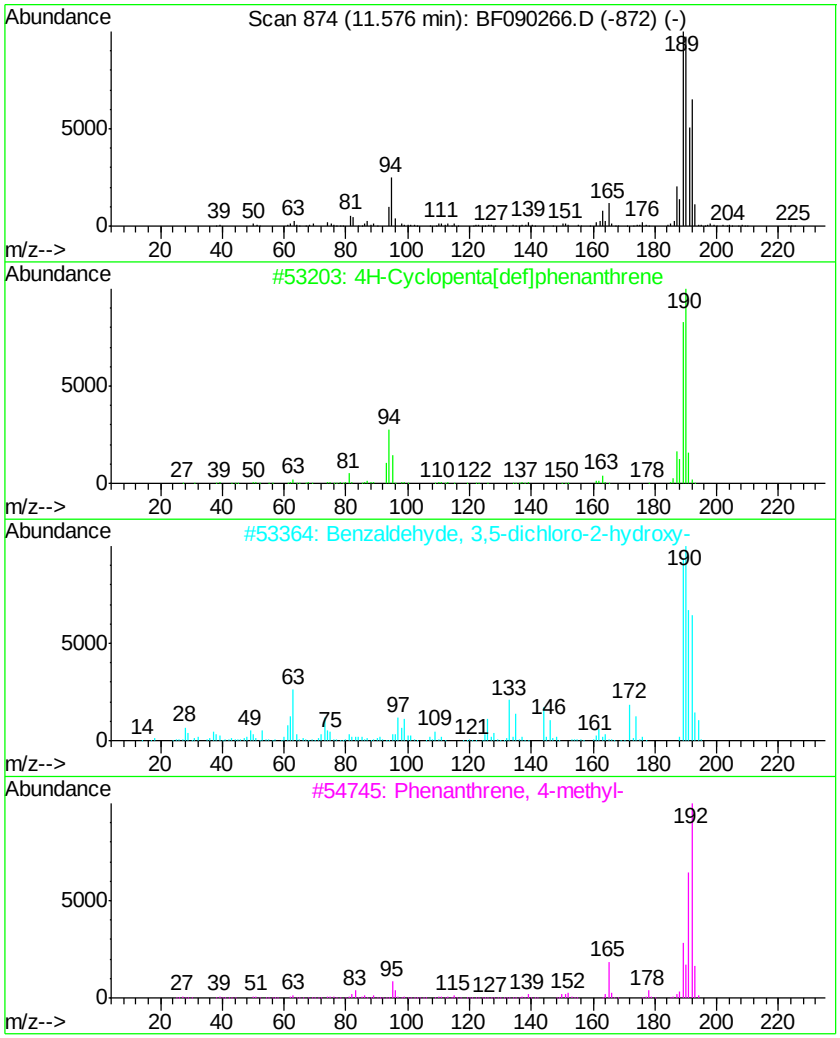
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

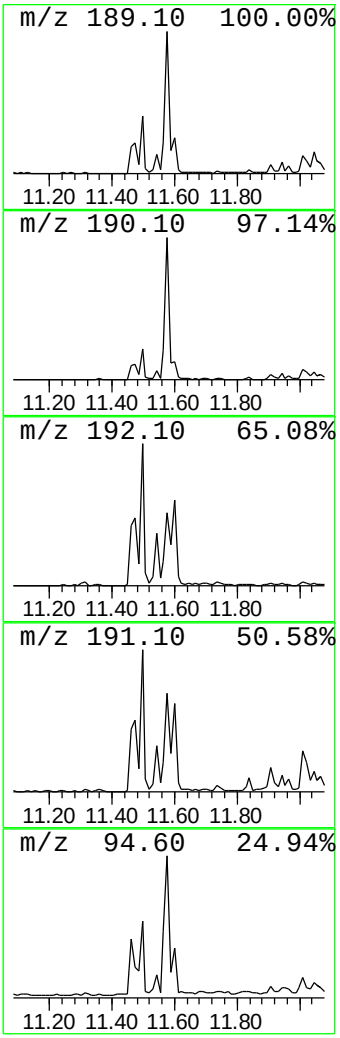
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	6.36 ng	1178950	Phenanthrene-d10	10.97

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090266.D
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Operator : UM/SJ
Sample : H4949-05 10X
Misc :
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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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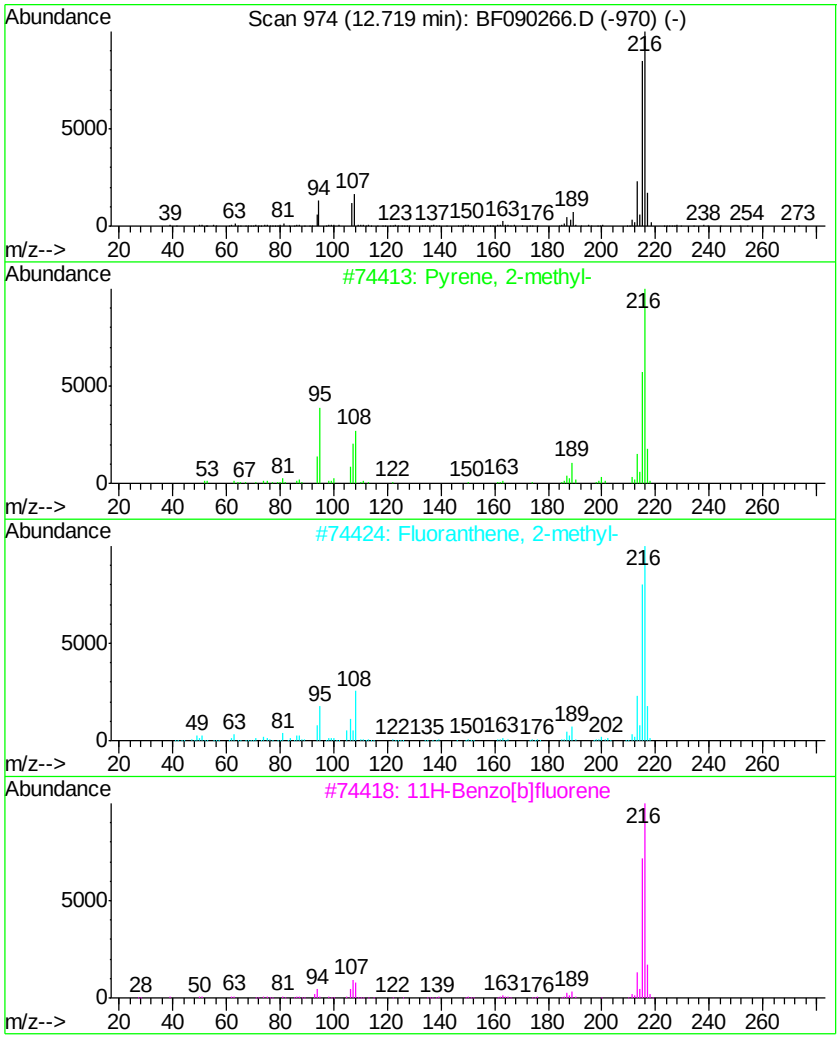
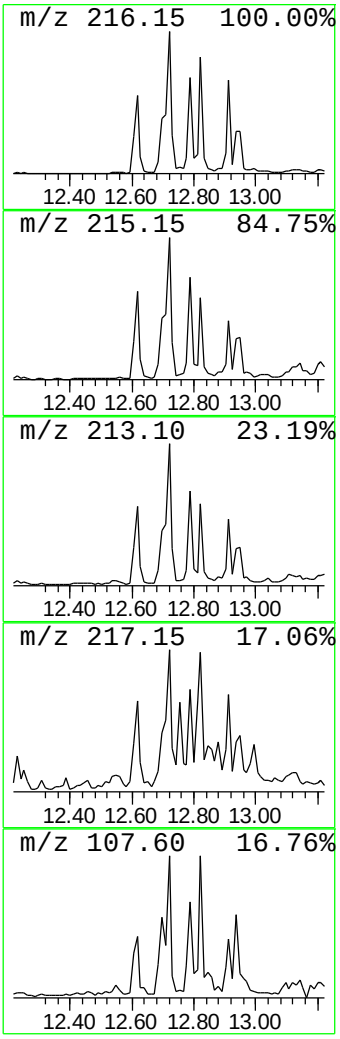
Peak Number 7 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	5.34 ng	920767	Chrysene-d12	13.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090266.D
Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

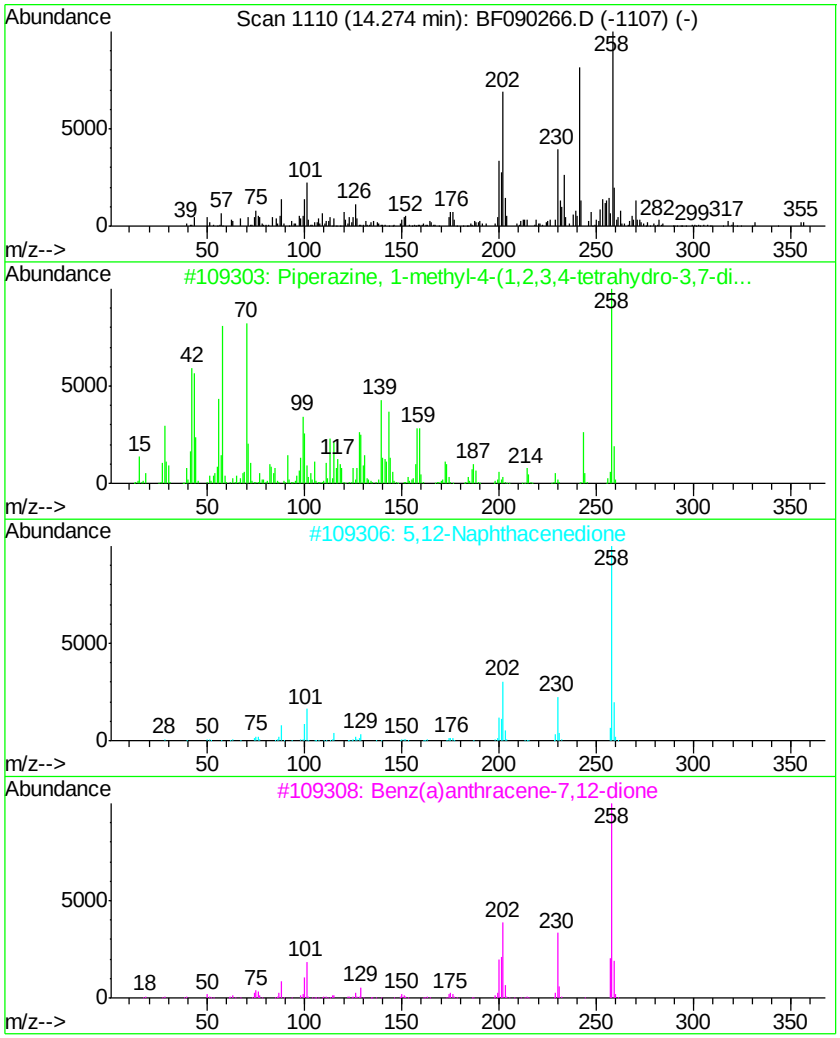
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

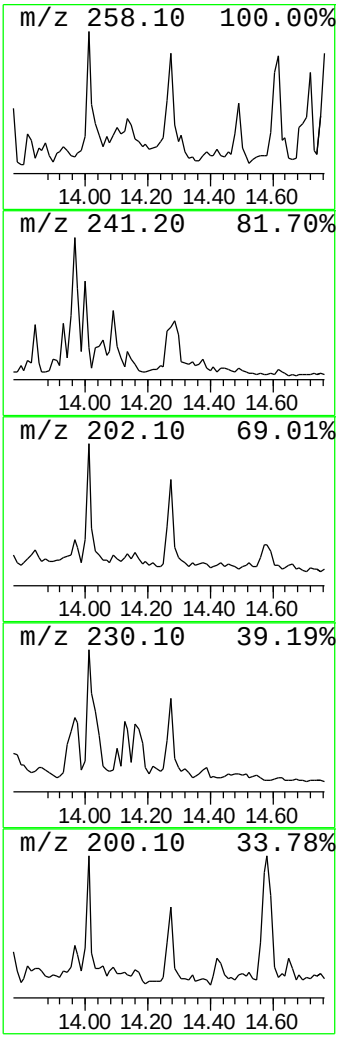
****

Peak Number 8 Piperazine, 1-methyl-4-(1,2... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	7.31 ng	234601	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	91
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	83
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	70
5	Pimaric acid	302	C20H30O2	000127-27-5	56





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Operator : UM/SJ
Sample : H4949-05 10X
Misc :
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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

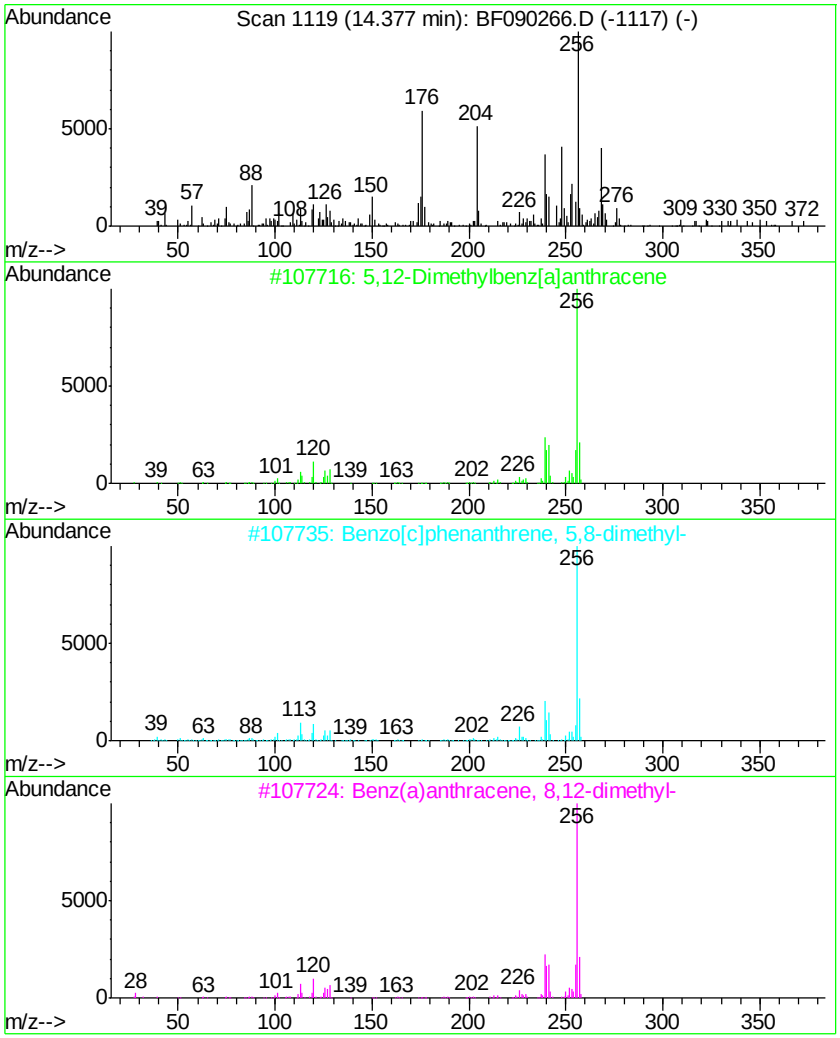
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

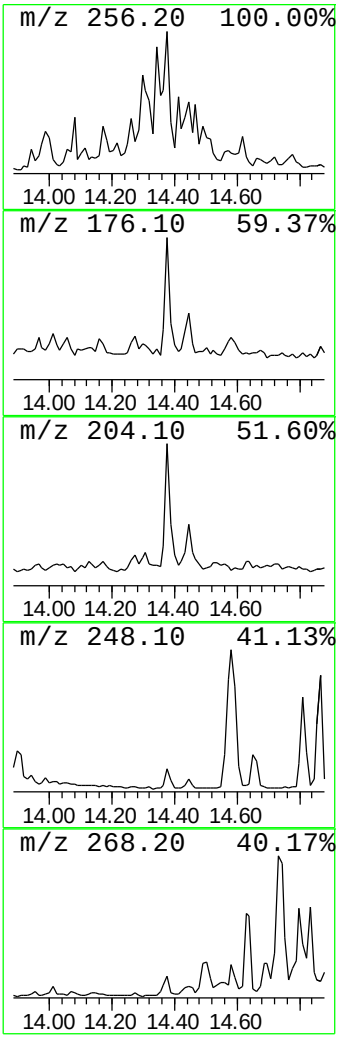
****

Peak Number 9 unknown14.38 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	6.37 ng	204354	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	45
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	35
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	35
4	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	25
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	25





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Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
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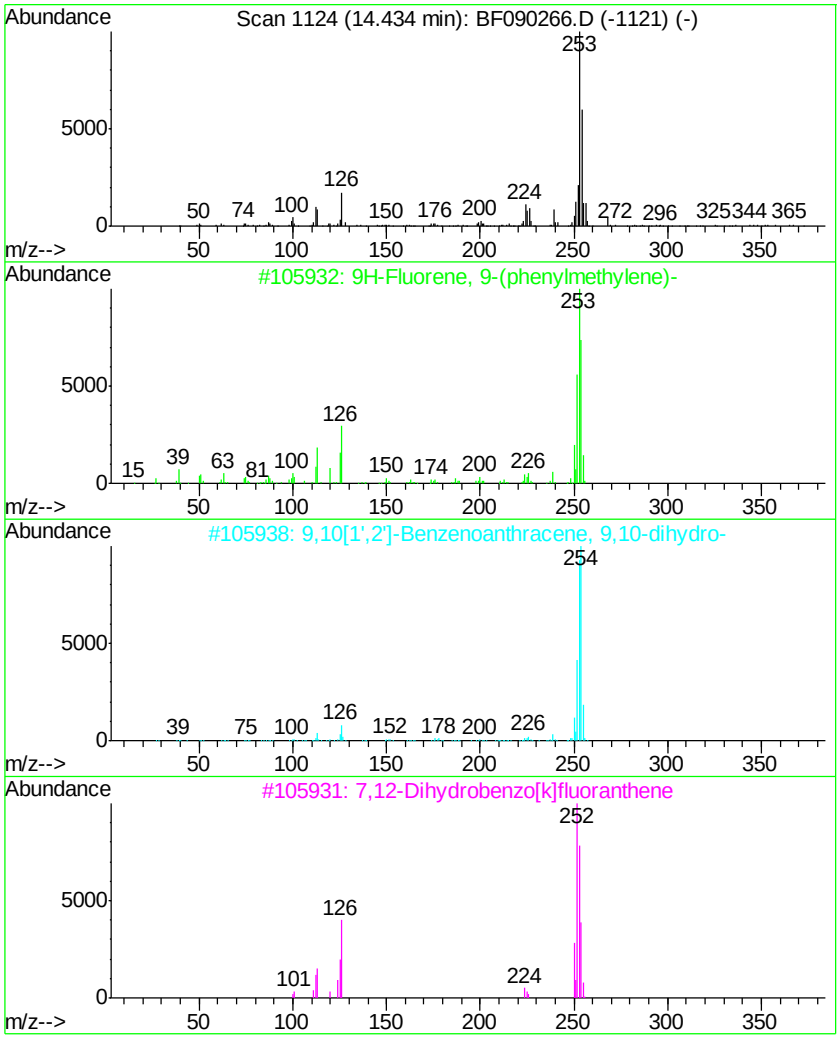
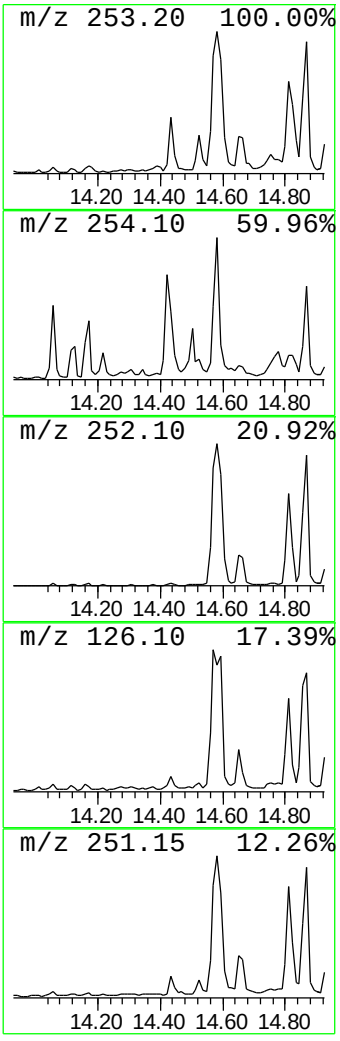
Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	10.55 ng	338527	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	59
5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	53





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Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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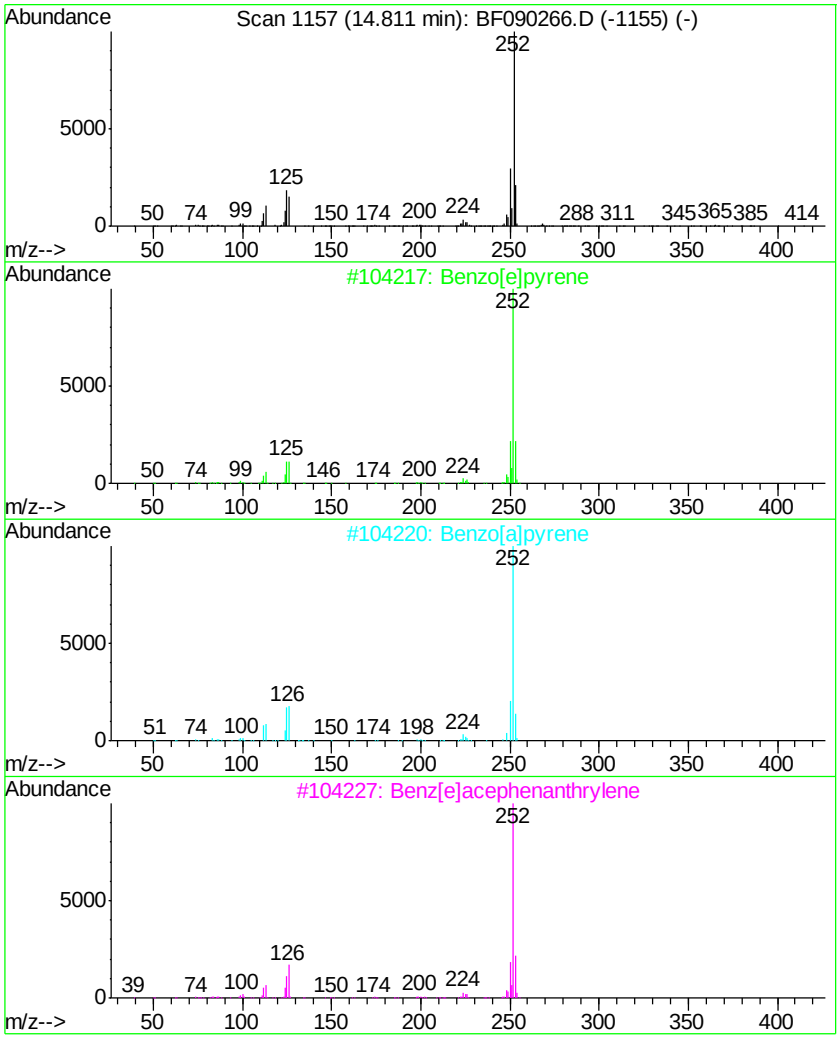
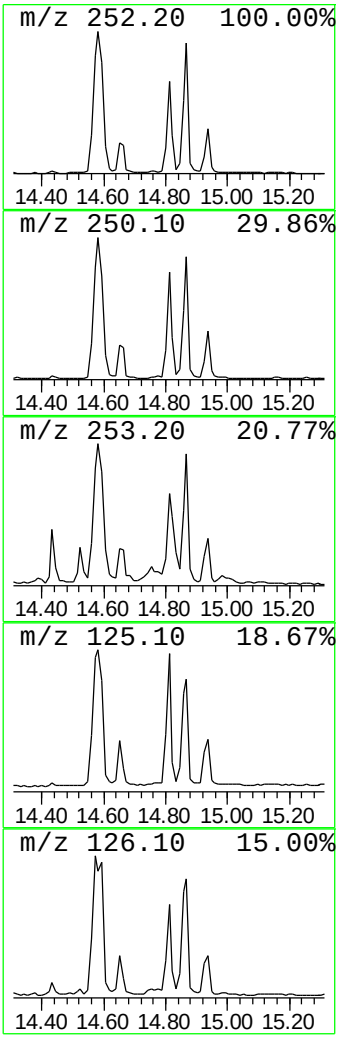
Peak Number 12 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	39.91 ng	1280230	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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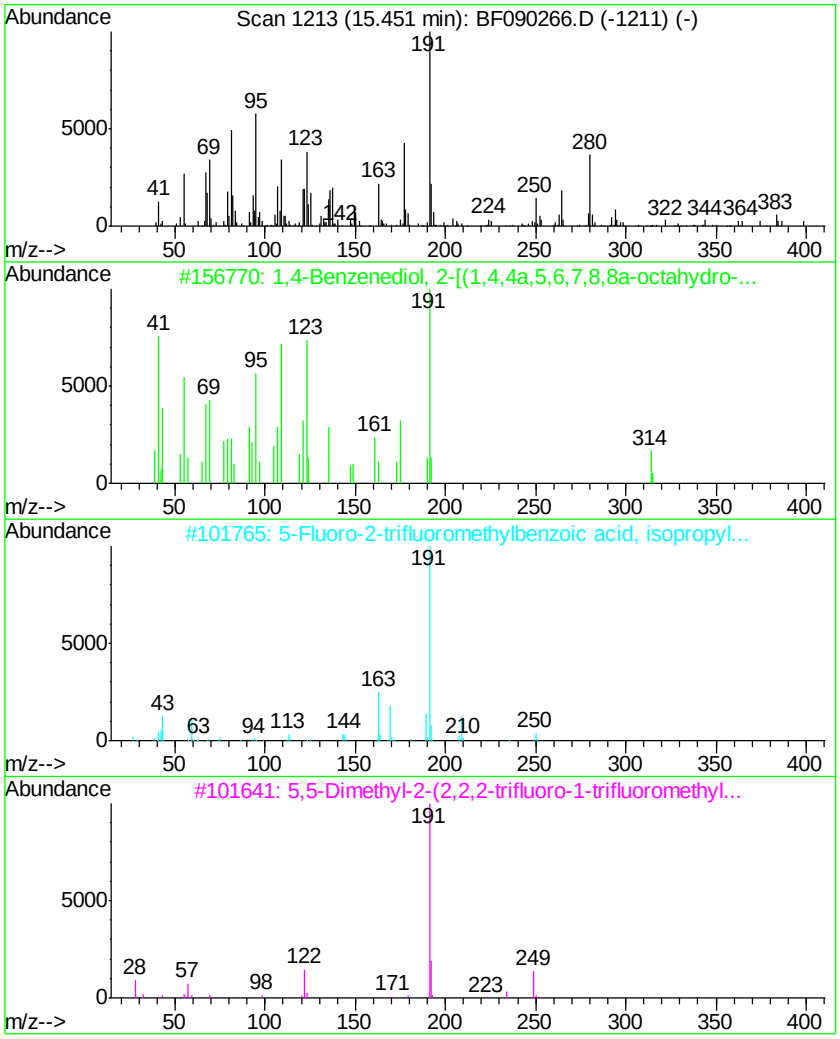
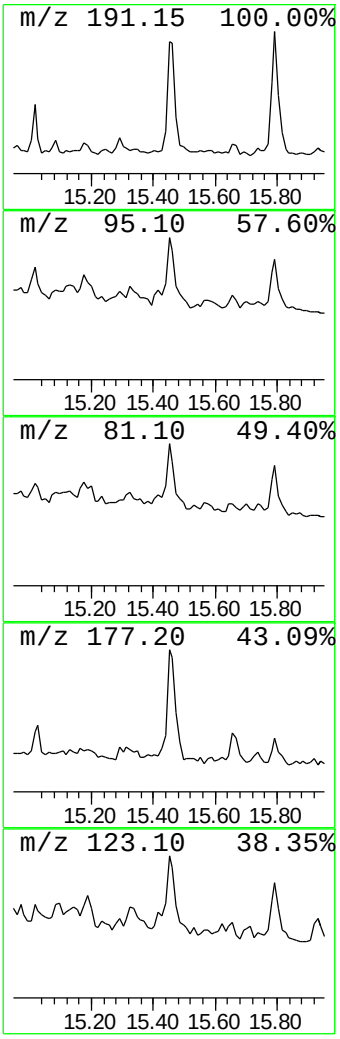
Peak Number 13 unknown15.45 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	9.87 ng	316436	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	22
2	5-Fluoro-2-trifluoromethylbenzoi...	250	C11H10F4O2	1000357-62-3	22
3	5,5-Dimethyl-2-(2,2,2-trifluoro-...	249	C8H9F6NO	020967-43-5	22
4	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	22
5	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	18





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Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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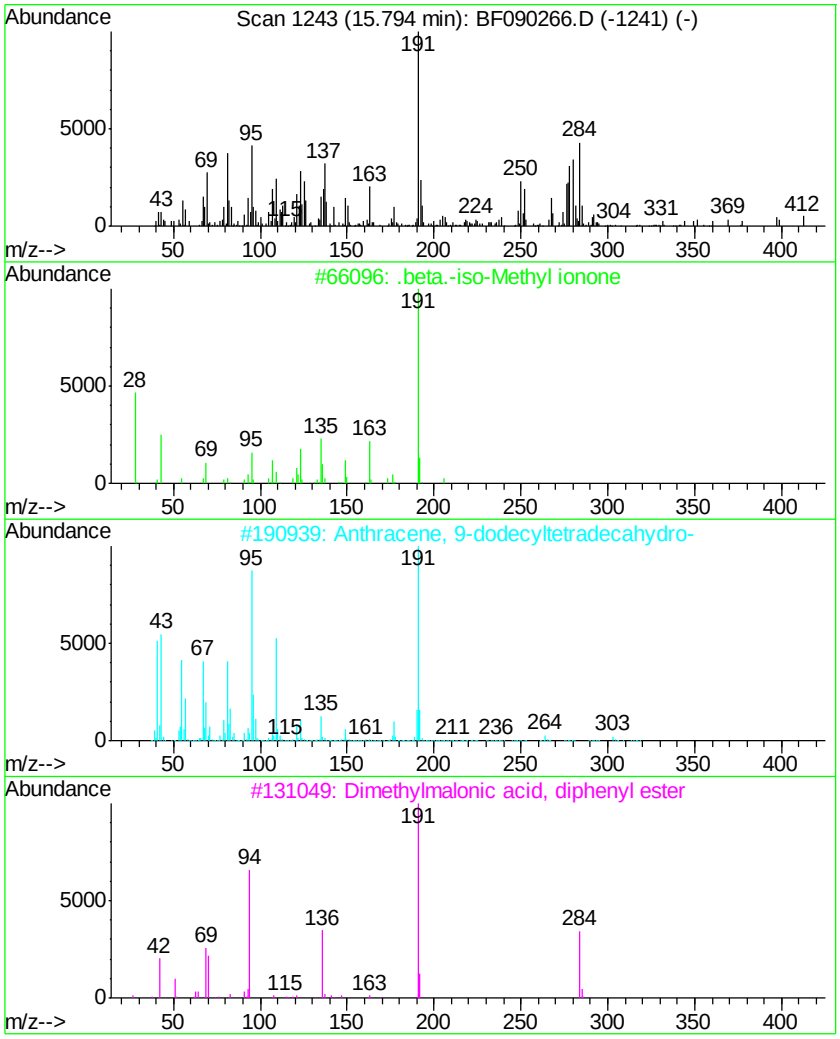
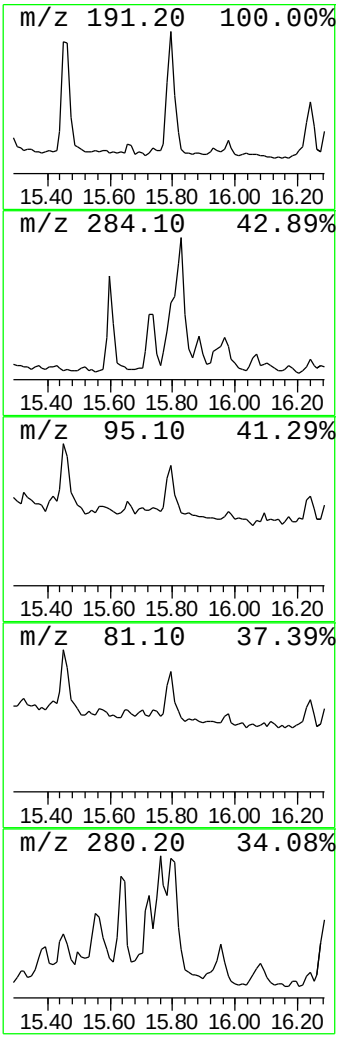
Peak Number 15 unknown15.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	14.23 ng	456303	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	41
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	35
3	Dimethylmalonic acid, diphenyl e...	284	C17H16O4	1000361-81-0	35
4	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	35
5	Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090266.D
Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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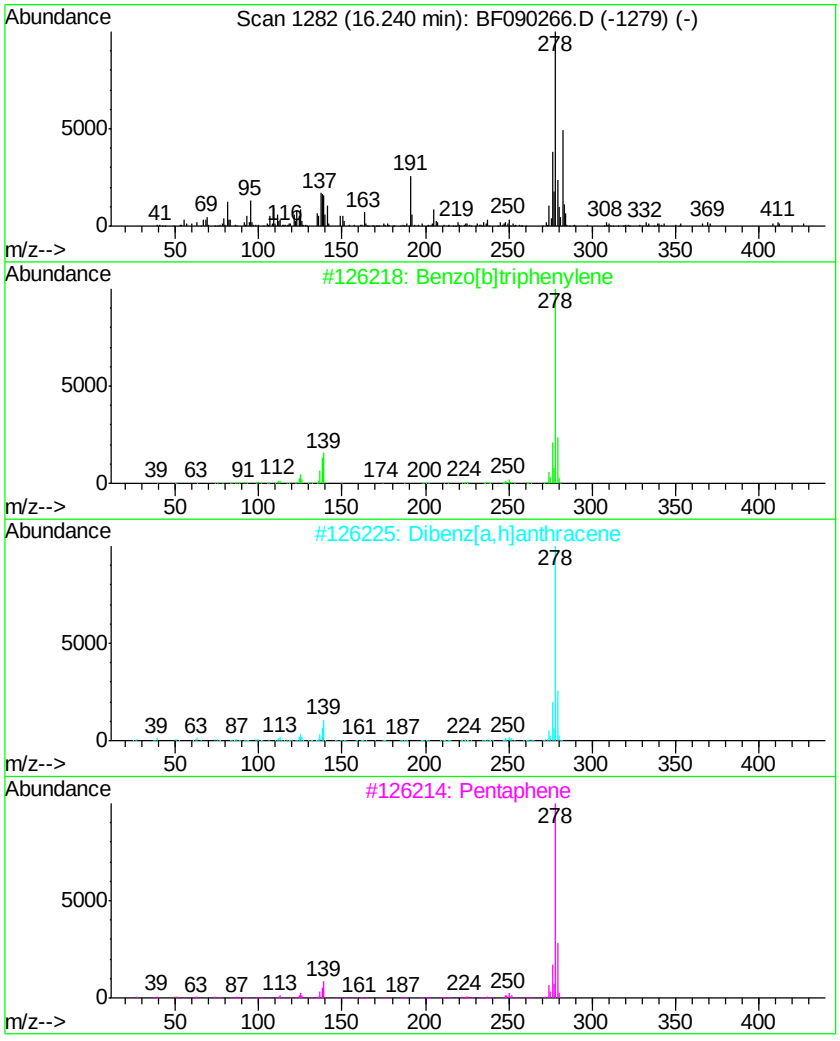
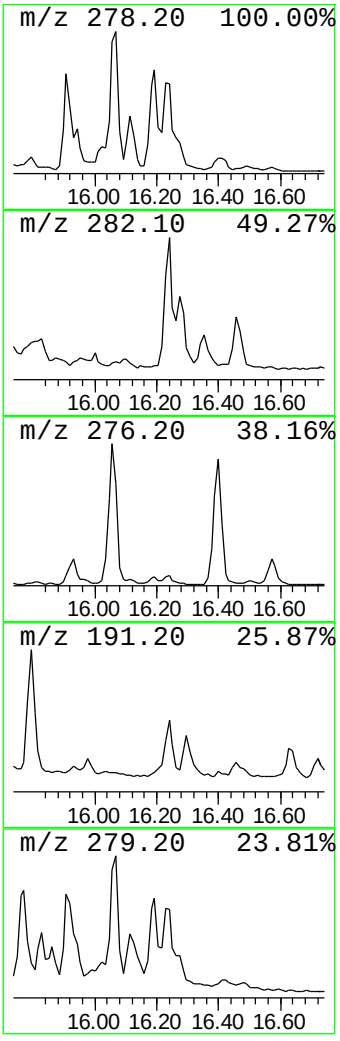
Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	5.74 ng	184067	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3	Pentaphene	278	C22H14	000222-93-5	83
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	46
5	Picene	278	C22H14	000213-46-7	46





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Misc :
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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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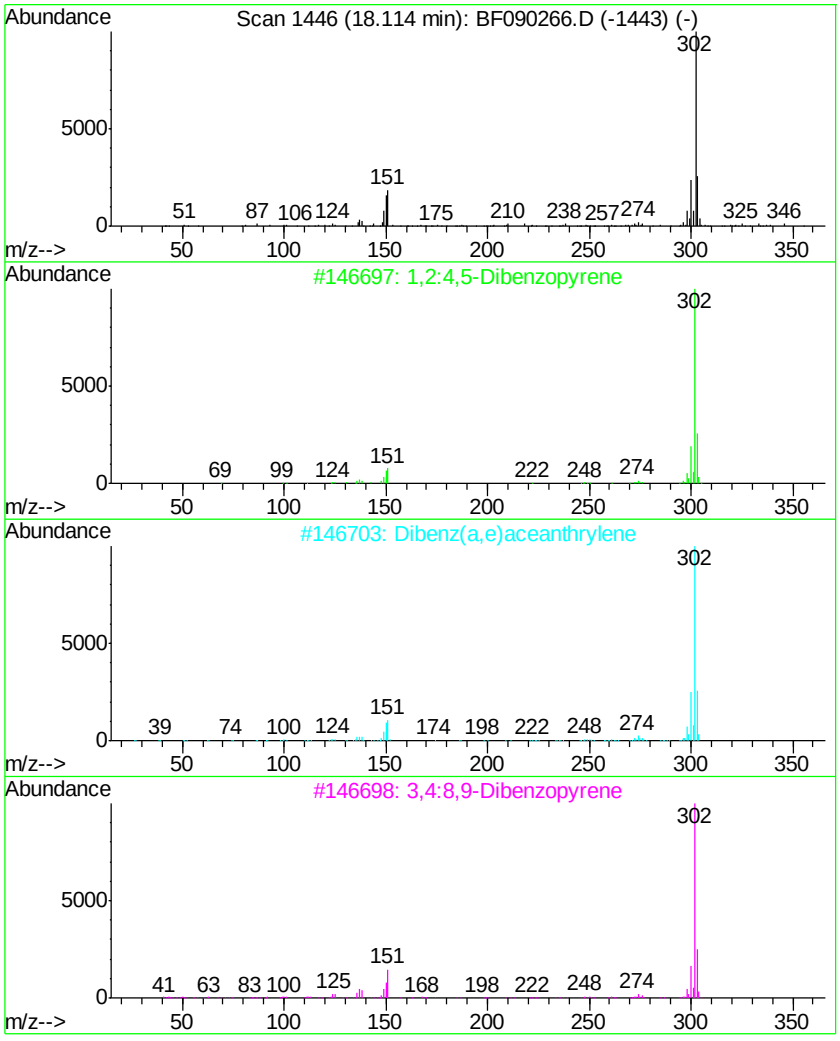
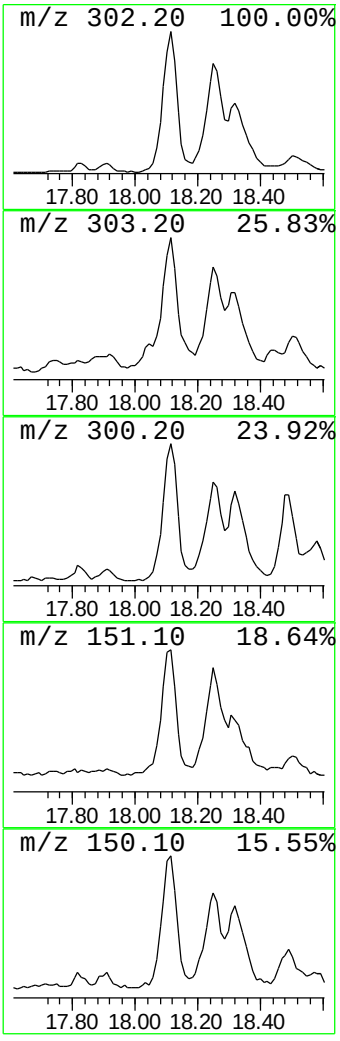
Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	12.76 ng	409331	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	72





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Misc :
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Instrument : BNA_F
ClientSampleId : S-3-1-LOC-3(0-5)

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

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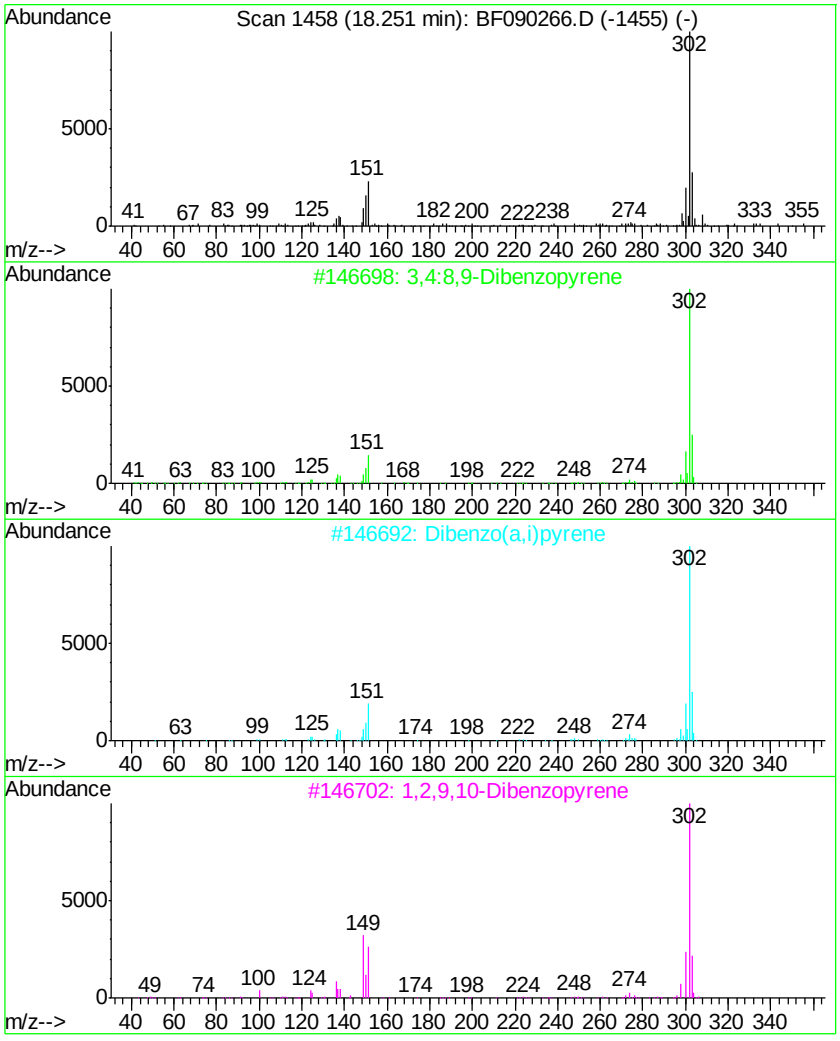
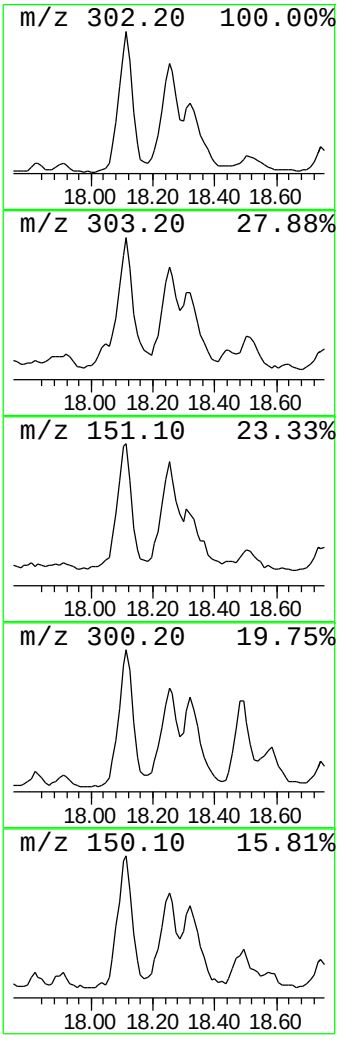
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	7.10 ng	227635	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	94
3	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	76
4	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	72
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	68





Tentatively Identified Compound (LSC) summary

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Acq On : 27 Sep 2016 21:49
Operator : UM/SJ
Sample : H4949-05 10X
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Xenon	6.24	10.9	ng	323644	1	6.48	593853	20.0
unknown6.74	6.74	5.3	ng	156877	1	6.48	593853	20.0
Naphthalene, deca...	6.87	4.5	ng	134165	1	6.48	593853	20.0
4H-Cyclopenta[def...	11.58	6.4	ng	1178950	4	10.97	3705020	20.0
Pyrene, 2-methyl-	12.72	5.3	ng	920767	5	13.59	3447590	20.0
Piperazine, 1-met...	14.27	7.3	ng	234601	6	14.91	641494	20.0
unknown14.38	14.38	6.4	ng	204354	6	14.91	641494	20.0
9H-Fluorene, 9-(p...	14.43	10.6	ng	338527	6	14.91	641494	20.0
Benzo[e]pyrene	14.81	39.9	ng	1280230	6	14.91	641494	20.0
unknown15.45	15.45	9.9	ng	316436	6	14.91	641494	20.0
unknown15.79	15.79	14.2	ng	456303	6	14.91	641494	20.0
Benzo[b]triphenylene	16.24	5.7	ng	184067	6	14.91	641494	20.0
1,2:4,5-Dibenzopy...	18.11	12.8	ng	409331	6	14.91	641494	20.0
3,4:8,9-Dibenzopy...	18.25	7.1	ng	227635	6	14.91	641494	20.0