LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(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-BF081916.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	1.656	5	6	15	rVV	1681682	3357206	10.72%	1.243%
2	1.781	15	17	62	rVB	11236308	31325790	100.00%	11.603%
3	4.822	280	283	286	rBV	2348927	2981741	9.52%	1.104%
4	5.267	319	322	324	rBV	8537901	8815545	28.14%	3.265%
5	6.319	412	414	417	rBV	7409277	7358167	23.49%	2.725%
6	6.445	423	425	428	rBV	8023854	8349044	26.65%	3.092%
7	6.685	444	446	448	rBV	3792507	3176079	10.14%	1.176%
8	6.845	457	460	462	rVB	6362344	7692215	24.56%	2.849%
9	7.245	492	495	498	rBV	4910636	5053821	16.13%	1.872%
10	7.965	556	558	562	rBV	4126258	4060967	12.96%	1.504%
11	9.051	650	653	655	rBV	10723111	10697595	34.15%	3.962%
12	9.382	679	682	685	rVV2	300895	650361	2.08%	0.241%
13	9.439	685	687	690	rVV	2015706	1844325	5.89%	0.683%
14	9.496	690	692	695	rVV2	184205	334928	1.07%	0.124%
15	9.576	696	699	701	rVB	491625	489381	1.56%	0.181%
16	9.713	709	711	713	rBV	4496456	4051352	12.93%	1.501%
17	9.748	713	714	716	rVB	1022479	755861	2.41%	0.280%
18	9.919	726	729	731	rVB	616652	602819	1.92%	0.223%
19	10.125	744	747	749	rBV2	207009	392397	1.25%	0.145%
20	10.251	757	758	760	rBV2	525671	711405	2.27%	0.263%
21	10.319	762	764	767	rBV2	228561	584756	1.87%	0.217%
22	10.411	771	772	776	rVB2	234621	405098	1.29%	0.150%
23	10.491	777	779	782	rVB2	3354463	4414599	14.09%	1.635%
24	10.639	786	792	795	rBV4	450098	895947	2.86%	0.332%
25	10.731	795	800	803	rBV5	96434	344187	1.10%	0.127%
26	10.811	803	807	808	rBV3	294463	611470	1.95%	0.226%
27	10.959	815	820	821	rBV3	271042	650453	2.08%	0.241%
28	10.994	821	823	826	rVB	572837	630579	2.01%	0.234%
29	11.051	826	828	829	rBV	278725	388818	1.24%	0.144%
30	11.085	829	831	833	rVV	607666	506230	1.62%	0.187%
31	11.211	838	842	844	rBV2	6307148	10232408	32.66%	3.790%
32	11.268	844	847	848	rVB	1835997	2001049	6.39%	0.741%
33	11.371	854	856	857	rVB	332997	326669	1.04%	0.121%
34	11.416	857	860	862	rBV2	487178	653026	2.08%	0.242%

LSC Area Percent Report

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Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.496	865	867	868	rVV	317323	474056	1.51%	0.176%
36	11.519	868	869	871	rVB2	526766	407473	1.30%	0.151%
37	11.691	882	884	885	rVV	2378796	2033300	6.49%	0.753%
38	11.714	885	886	888	rVV	1844215	2566561	8.19%	0.951%
39	11.771	888	891	892	rVV2	813347	1624379	5.19%	0.602%
40	11.805	892	894	897	rVB3	2055885	4373004	13.96%	1.620%
41	11.885	897	901	903	rBV5	171357	413212	1.32%	0.153%
42	11.988	909	910	915	rVB2	1409701	1953991	6.24%	0.724%
43	12.137	920	923	924	rBV	755402	878368	2.80%	0.325%
44	12.171	924	926	929	rVB2	409083	794217	2.54%	0.294%
45	12.239	929	932	934	rBV	1302004	1656774	5.29%	0.614%
46	12.274	934	935	938	rVV2	873819	1389667	4.44%	0.515%
47	12.319	938	939	943	rVV2	1008984	1134523	3.62%	0.420%
48	12.399	943	946	948	rVV	9435789	9026380	28.81%	3.343%
49	12.457	948	951	955	rVB5	559248	1237666	3.95%	0.458%
50	12.525	955	957	961	rBV3	1552747	2247639	7.18%	0.832%
51	12.628	963	966	968	rVV	9628623	11500619	36.71%	4.260%
52	12.674	968	970	973	rVB2	497157	899464	2.87%	0.333%
53	12.742	974	976	977	rBV	523950	441567	1.41%	0.164%
54	12.777	977	979	982	rVB	6645426	6741203	21.52%	2.497%
55	12.845	982	985	987	rBV2	1177935	1777197	5.67%	0.658%
56	12.891	987	989	991	rVV	5595392	4922394	15.71%	1.823%
57	12.948	991	994	996	rVB	1210519	2513533	8.02%	0.931%
58	13.017	999	1000	1002	rBV2	422371	617493	1.97%	0.229%
59	13.051	1002	1003	1005	rVV	1110705	1532325	4.89%	0.568%
60	13.154	1010	1012	1013	rBV	839841	977293	3.12%	0.362%
61	13.177	1013	1014	1016	rVV	909290	969474	3.09%	0.359%
62	13.268	1020	1022	1025	rBV	4968738	5369095	17.14%	1.989%
63	13.371	1026	1031	1034	rBV4	347515	1296517	4.14%	0.480%
64	13.462	1037	1039	1042	rBV	1191873	1547113	4.94%	0.573%
65	13.577	1047	1049	1051	rBV2	1050854	1599805	5.11%	0.593%
66	13.611	1051	1052	1057	rVV3	928529	1905779	6.08%	0.706%
67	13.680	1057	1058	1061	rVB	1177986	1140891	3.64%	0.423%
68	13.737	1061	1063	1069	rBV4	584465	1081259	3.45%	0.400%
69	13.874	1069	1075	1079	rBV3	9538847	23630438	75.43%	8.752%
70	13.954	1080	1082	1083	rBV2	507655	467112	1.49%	0.173%
71	14.080	1091	1093	1095	rBV3	270130	480764	1.53%	0.178%

LSC Area Percent Report

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Data File : BF089812.D
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Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.194	1100	1103	1104	rBV2	299970	453194	1.45%	0.168%
73	14.228	1104	1106	1107	rBV	354638	534544	1.71%	0.198%
74	14.262	1107	1109	1111	rBV	1548733	1775124	5.67%	0.657%
75	14.297	1111	1112	1114	rVB	847973	751899	2.40%	0.278%
76	14.365	1114	1118	1119	rBV2	639887	980204	3.13%	0.363%
77	14.400	1119	1121	1123	rBV	669248	1146703	3.66%	0.425%
78	14.480	1127	1128	1131	rBV2	401654	694877	2.22%	0.257%
79	14.583	1135	1137	1139	rBV2	425784	769130	2.46%	0.285%
80	14.720	1147	1149	1151	rVB	431523	544992	1.74%	0.202%
81	14.754	1151	1152	1156	rBV3	326724	654045	2.09%	0.242%
82	14.845	1158	1160	1162	rVB2	324217	400816	1.28%	0.148%
83	14.937	1165	1168	1173	rBV	4332874	9174117	29.29%	3.398%
84	15.028	1175	1176	1178	rVV	600509	758511	2.42%	0.281%
85	15.211	1190	1192	1194	rVB	2879469	3262966	10.42%	1.209%
86	15.268	1194	1197	1199	rVB	4089485	4814444	15.37%	1.783%
87	15.325	1199	1202	1203	rBV	2263502	3147475	10.05%	1.166%
88	15.474	1212	1215	1217	rBV3	371167	862898	2.75%	0.320%
89	16.457	1298	1301	1308	rVV2	522087	1252321	4.00%	0.464%
90	16.606	1311	1314	1318	rVB2	1871713	3657538	11.68%	1.355%
91	16.766	1325	1328	1330	rBV	460125	871059	2.78%	0.323%
92	16.811	1330	1332	1334	rVV	322554	526998	1.68%	0.195%
93	16.994	1344	1348	1355	rVB	1510523	3202255	10.22%	1.186%
94	17.188	1362	1365	1372	rVB	318361	784860	2.51%	0.291%

Sum of corrected areas: 269989803

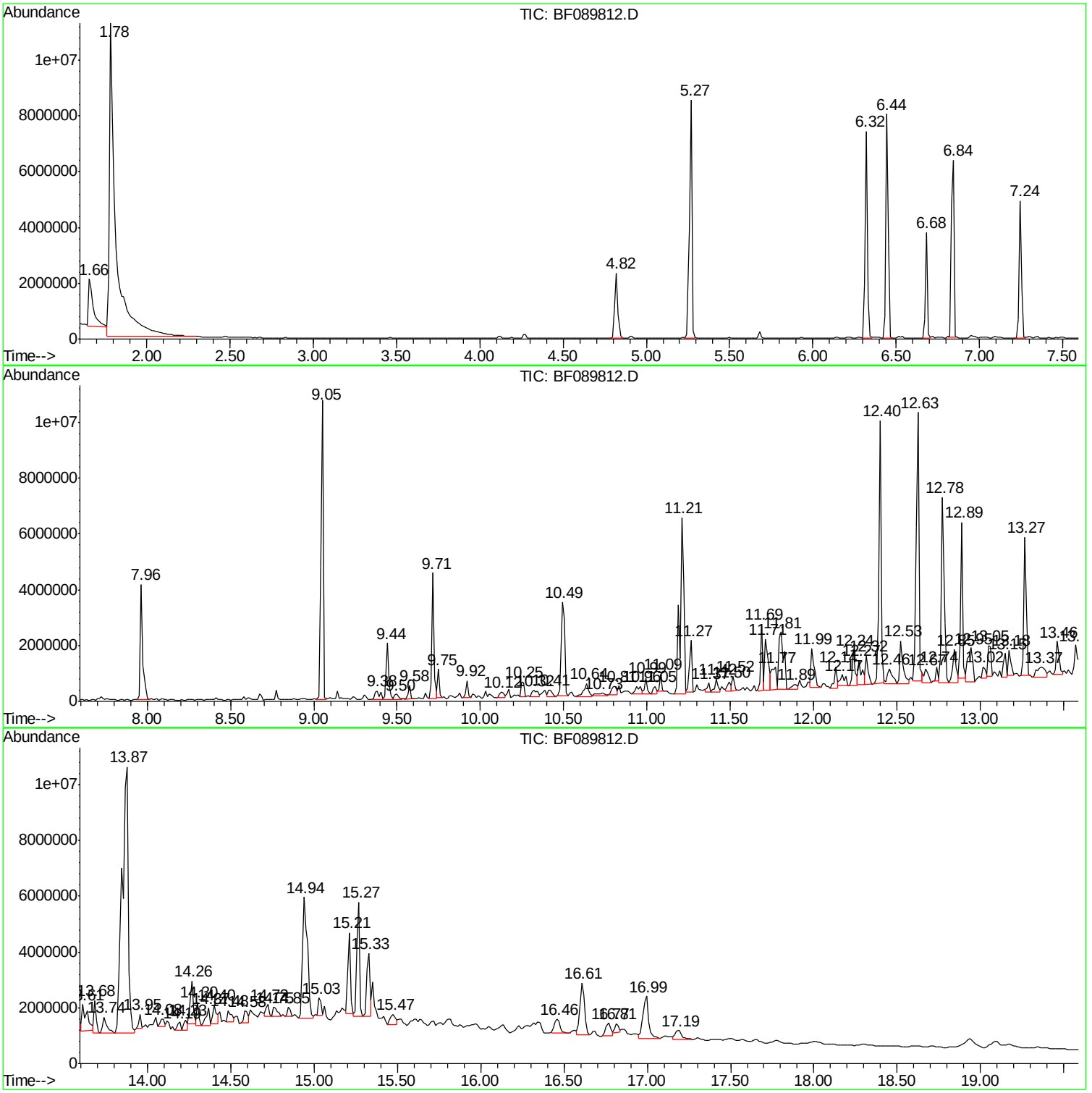
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

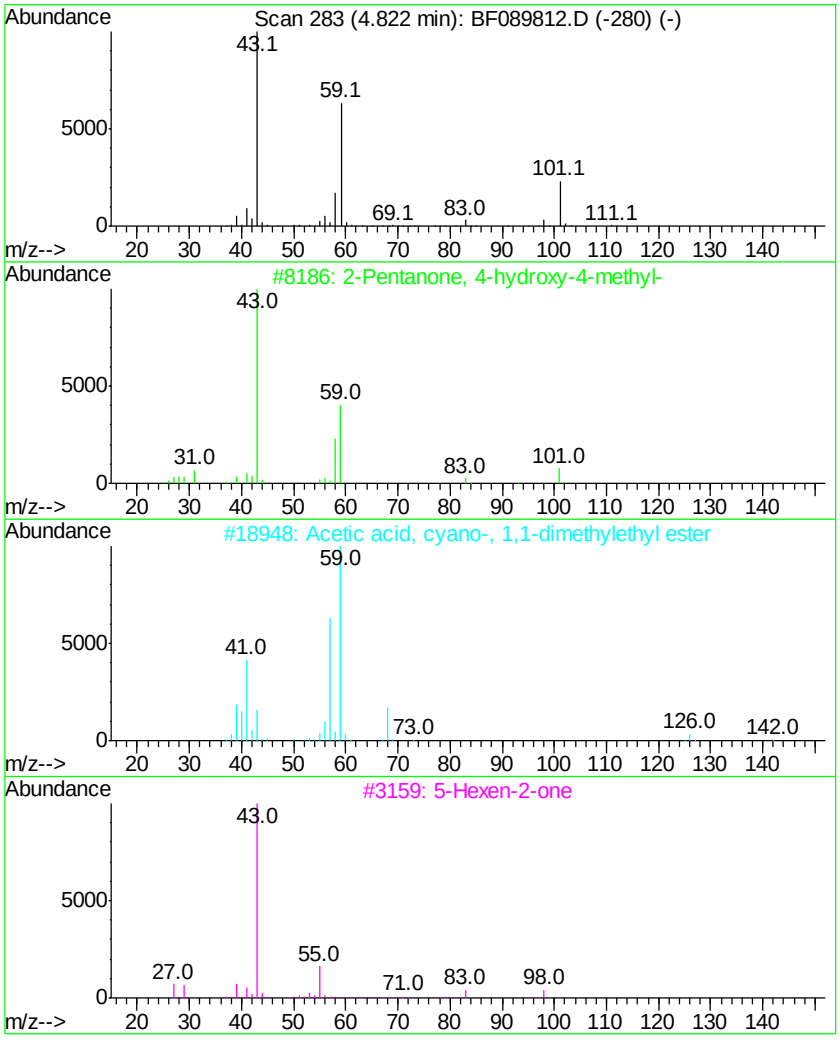
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

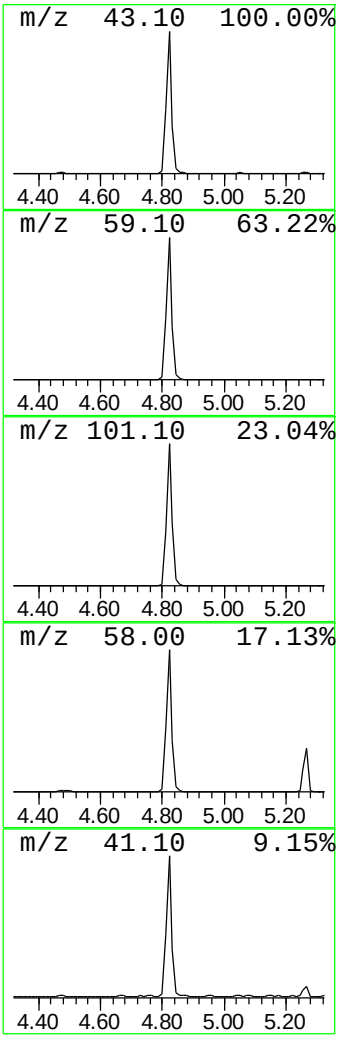
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	18.78 ng	2981740	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

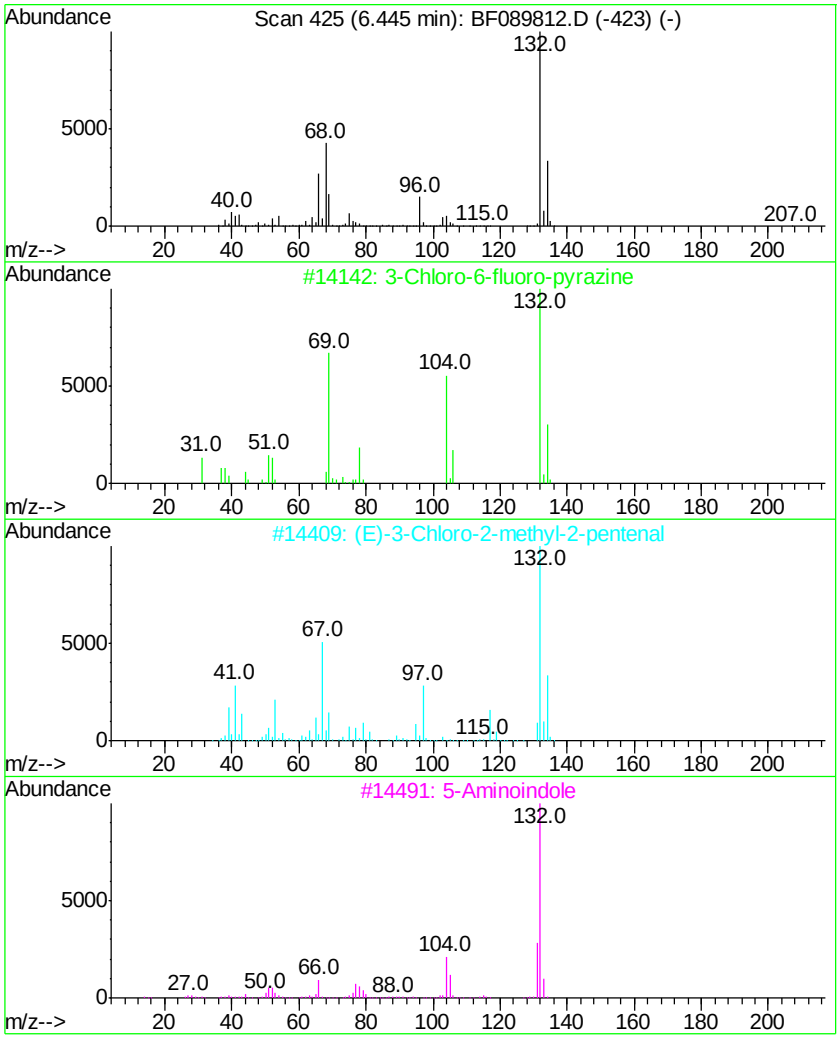
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

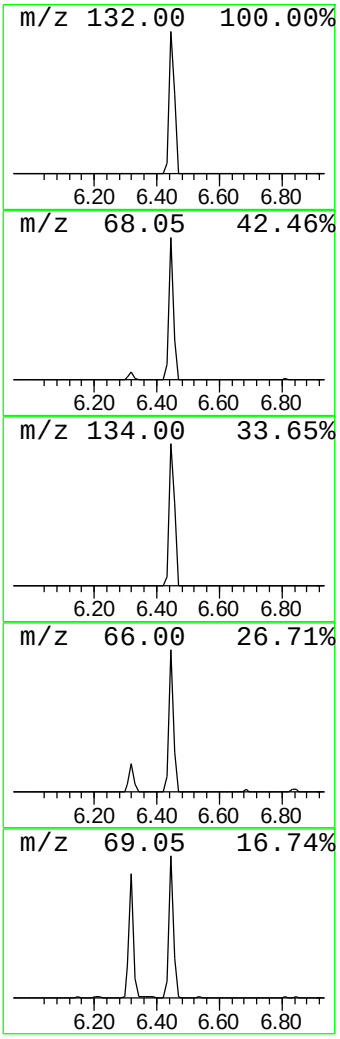
****

Peak Number 4 unknown6.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	52.57 ng	8349040	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

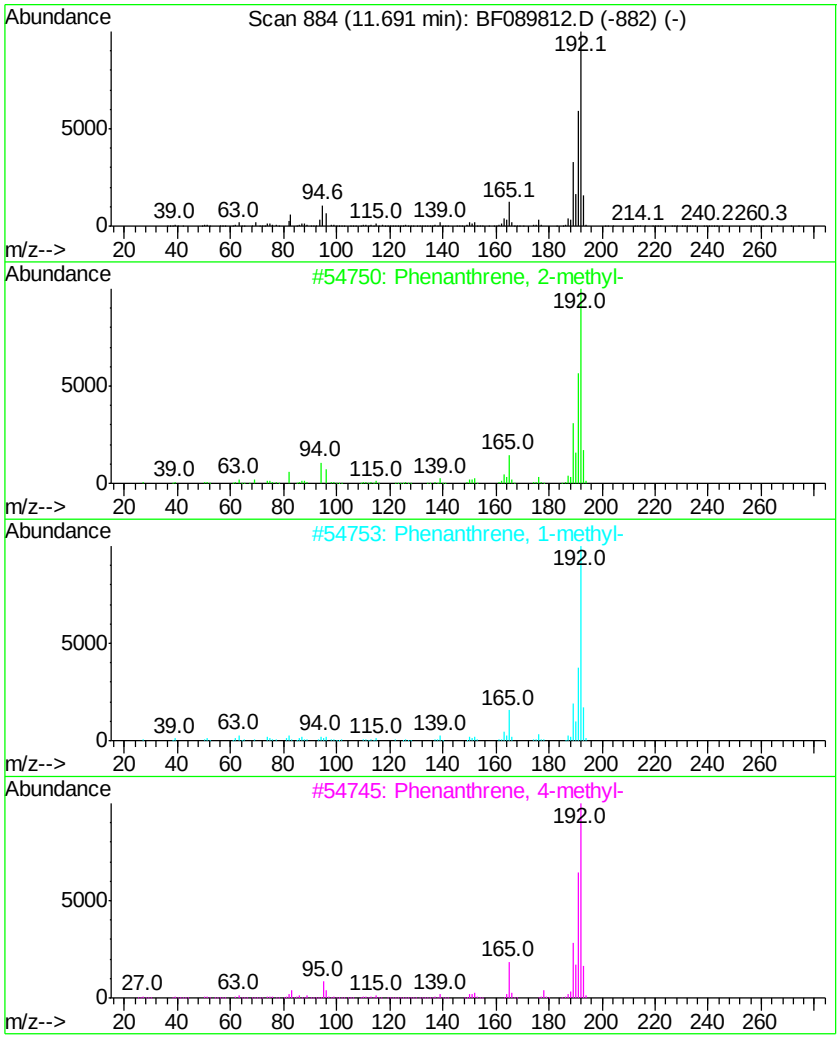
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

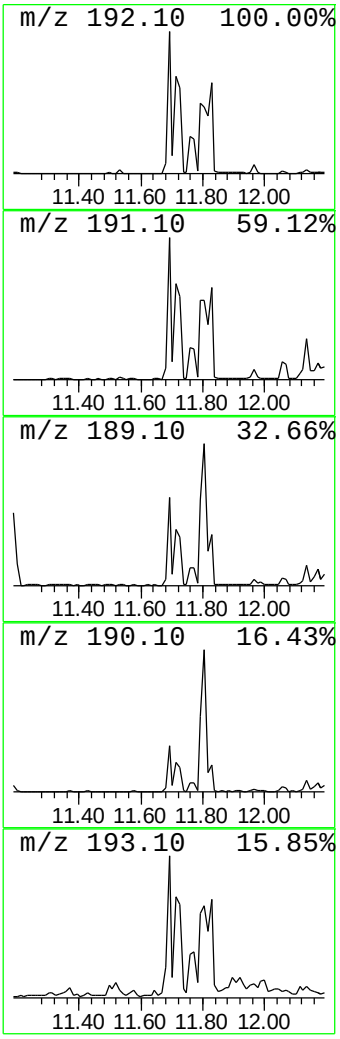
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	3.97 ng	2033300	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

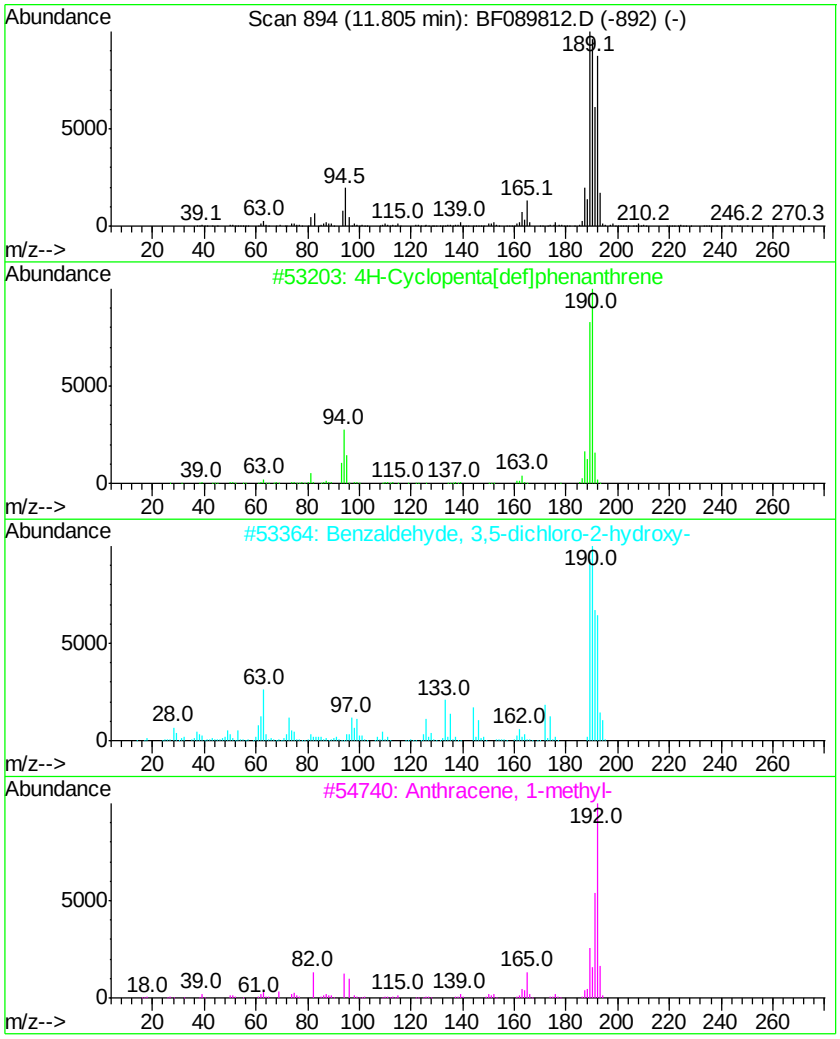
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

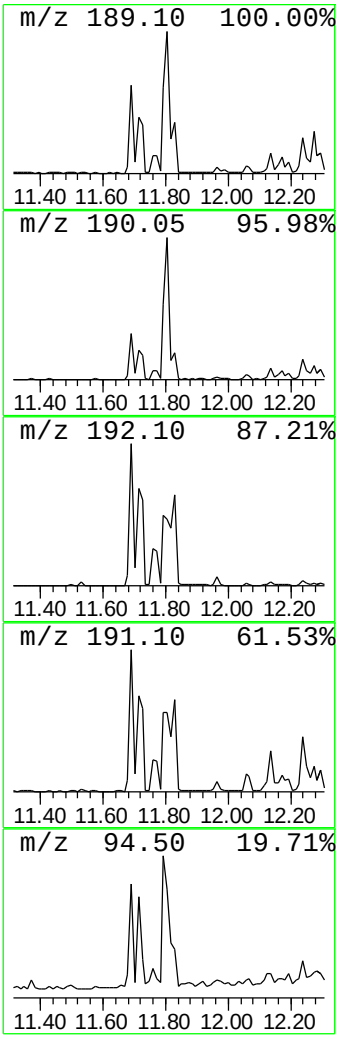
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	8.55 ng	4373000	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

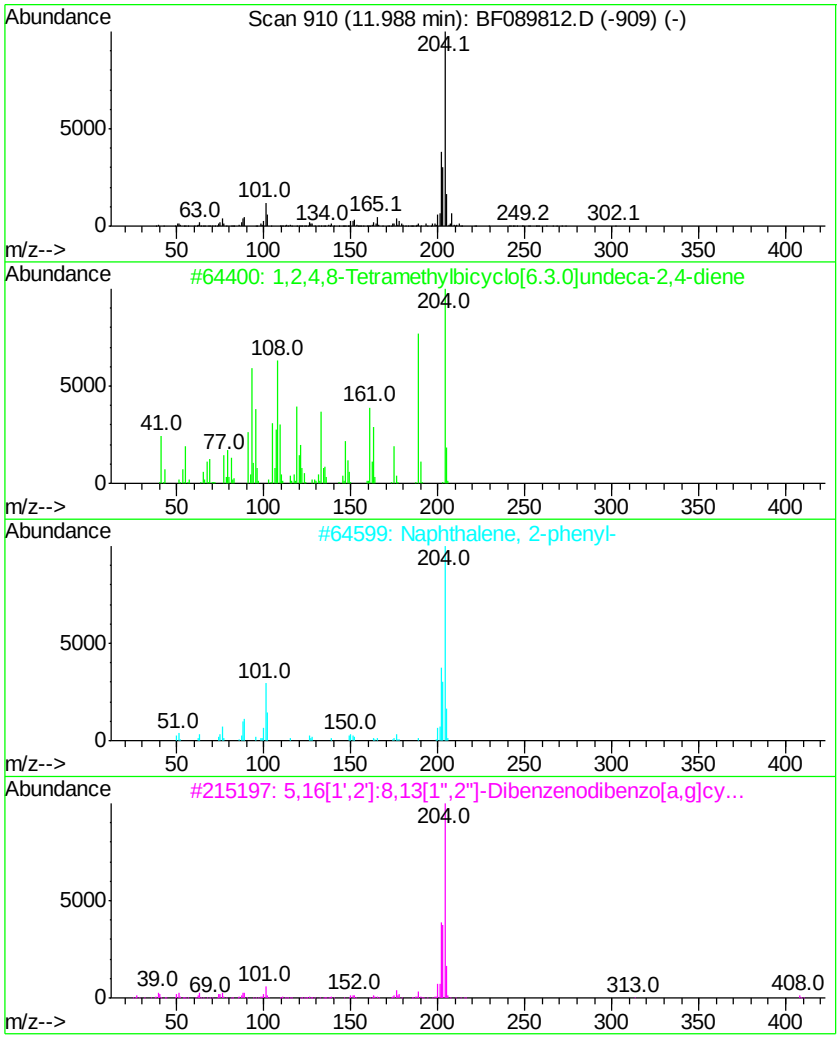
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

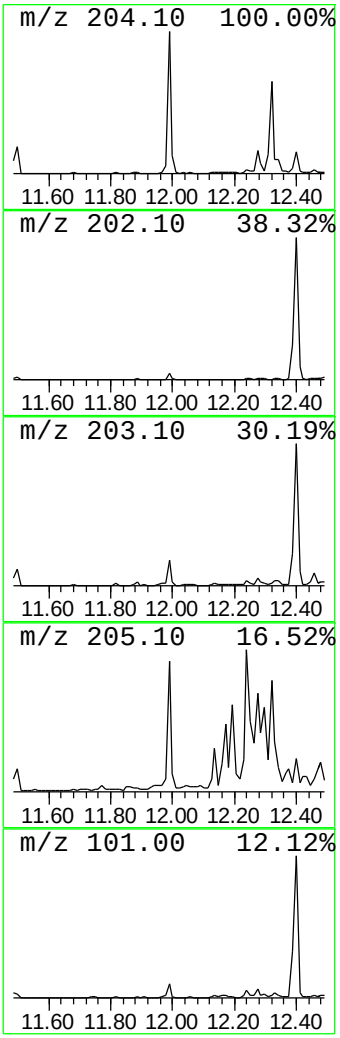
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.82 ng	1953990	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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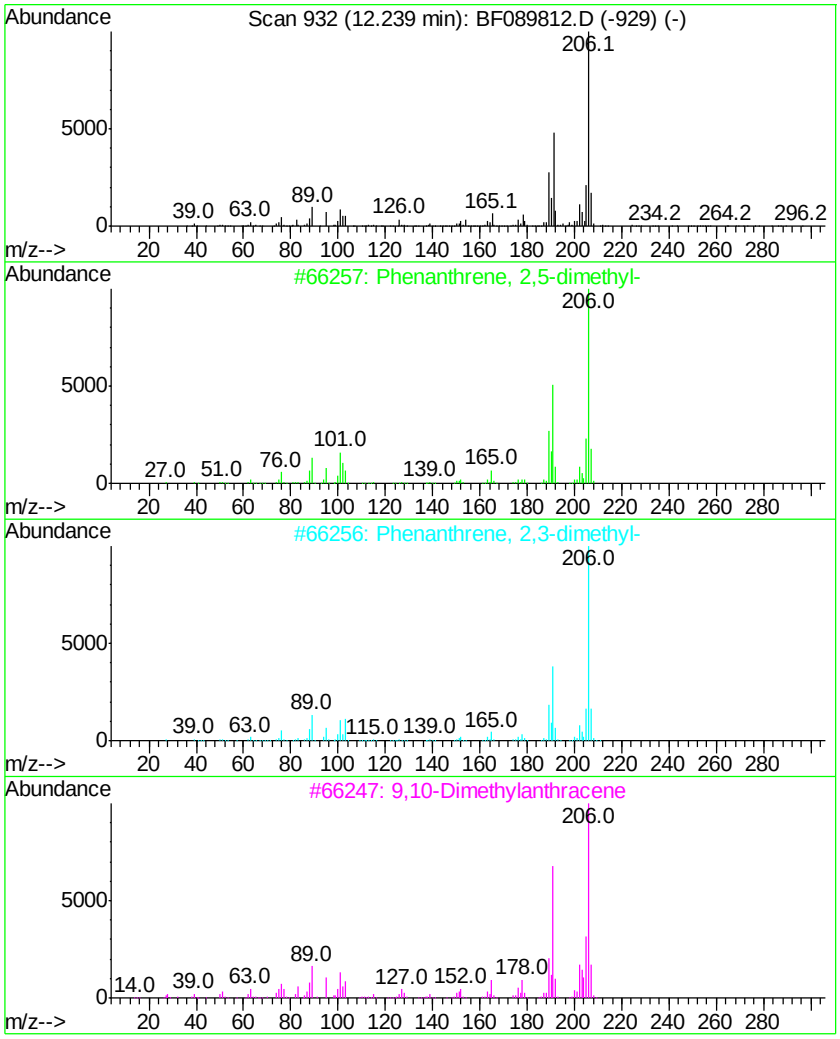
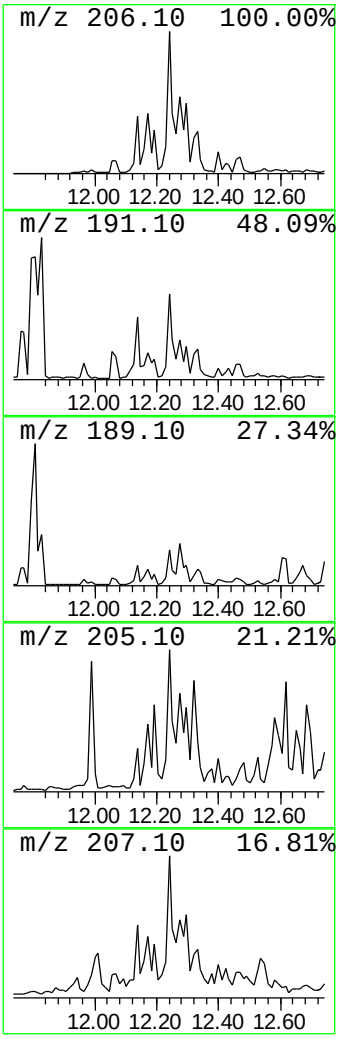
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	3.24 ng	1656770	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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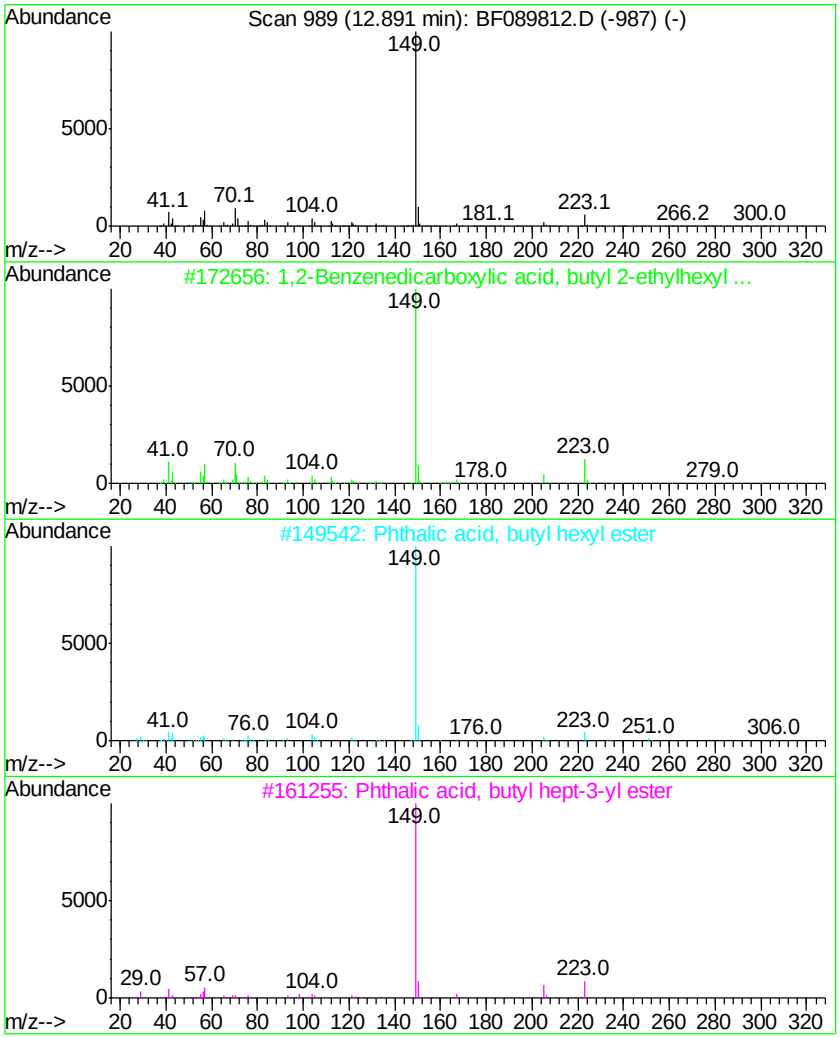
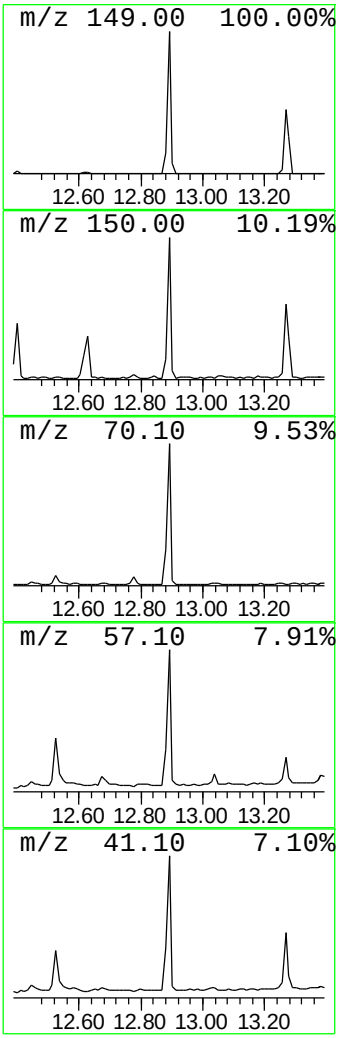
Peak Number 11 1,2-Benzenedicarboxylic aci... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.17 ng	4922390	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	90
2	Phthalic acid, butyl hexyl ester	306	C18H26O4	1000308-99-5	80
3	Phthalic acid, butyl hept-3-yl e...	320	C19H28O4	1000356-98-7	80
4	Phthalic acid, isobutyl octyl ester	334	C20H30O4	1000309-04-5	80
5	Phthalic acid, butyl 2-ethylbuty...	306	C18H26O4	1000356-89-0	78





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Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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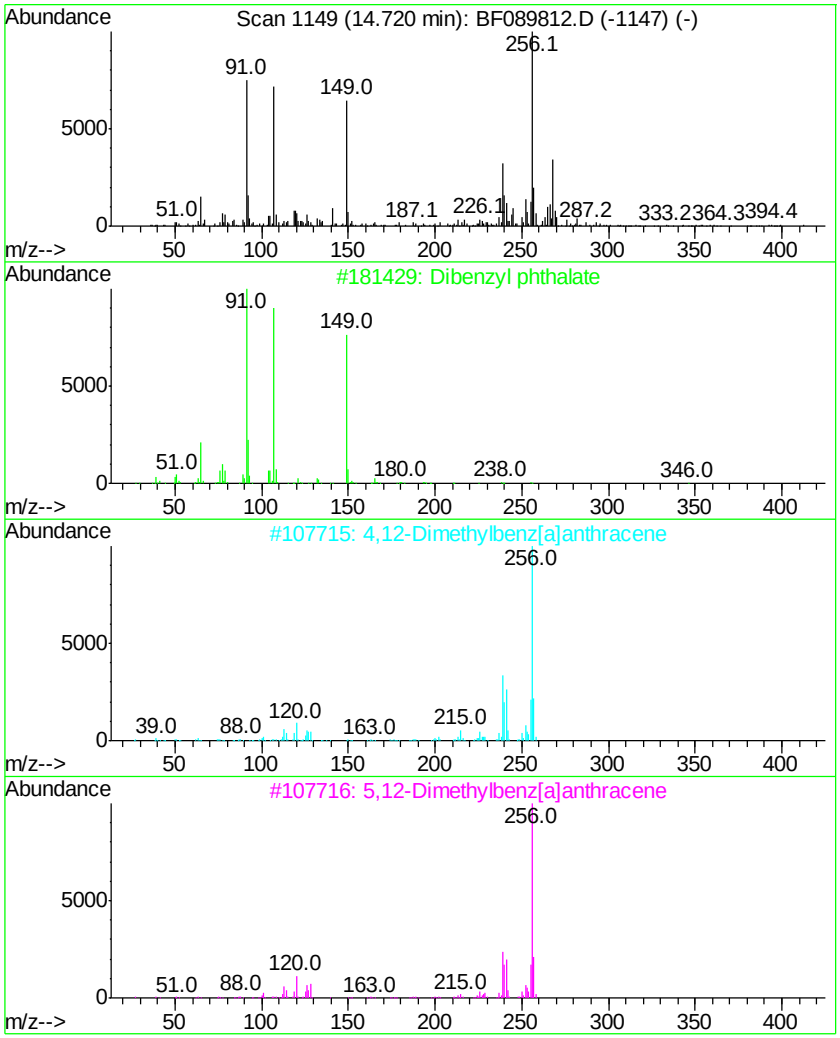
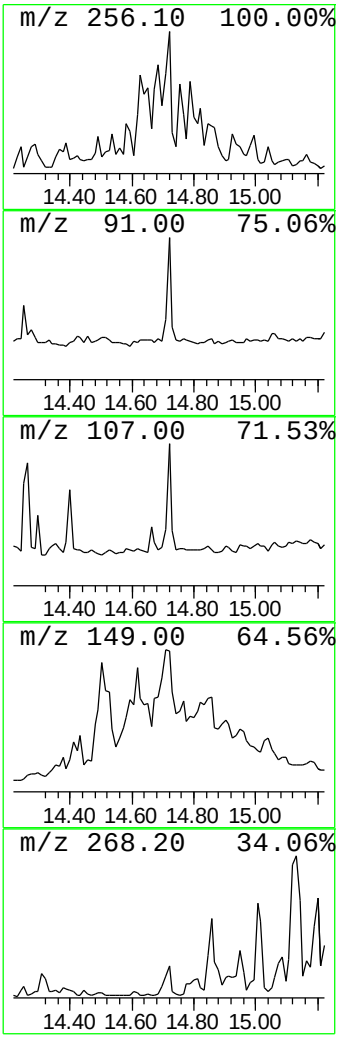
Peak Number 12 Dibenzyl phthalate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	3.46 ng	544992	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzyl phthalate	346	C22H18O4	000523-31-9	60
2	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	50
3	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	50
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	46
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	46





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Misc :
ALS Vial : 28 Sample Multiplier: 1

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TIC Library : C:\Database\NIST11.L
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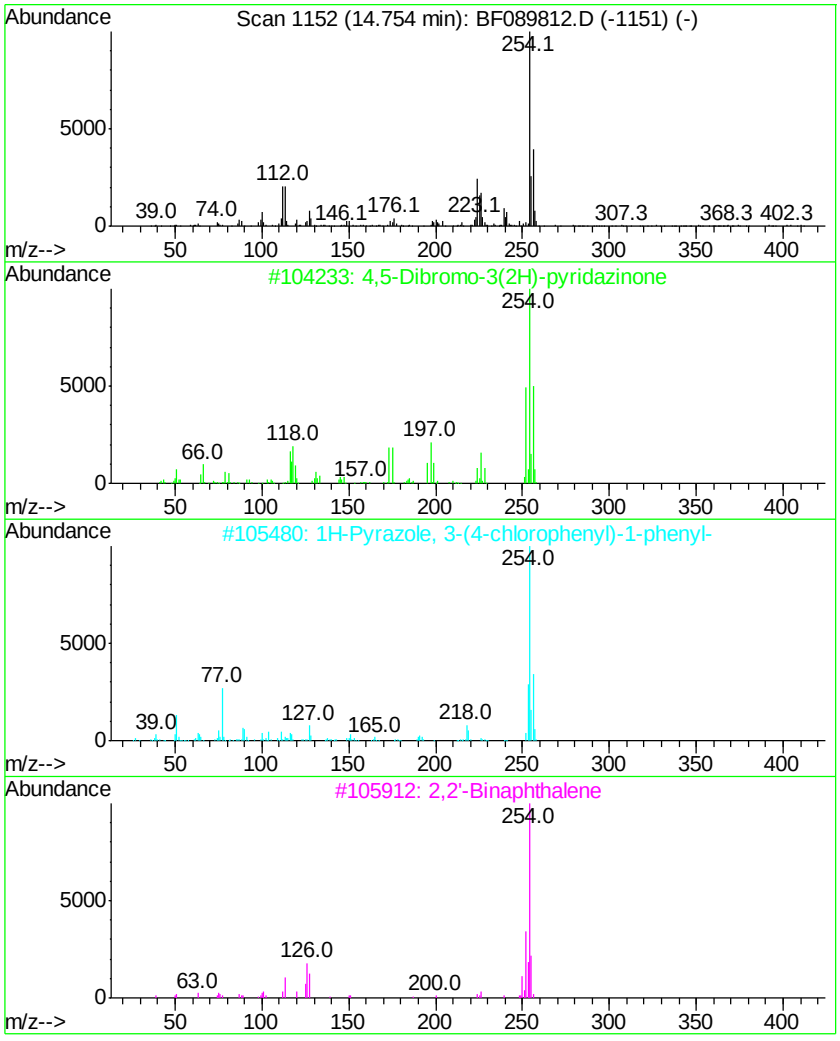
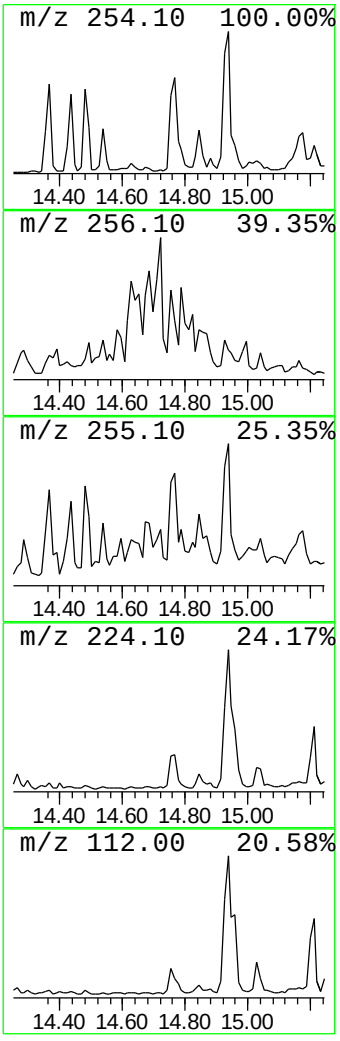
Peak Number 13 unknown14.75 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.16 ng	654045	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dibromo-3(2H)-pyridazinone	252	C4H2Br2N2O	005788-58-9	47
2	1H-Pyrazole, 3-(4-chlorophenyl)-...	254	C15H11ClN2	033064-19-6	46
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	43
4	1,2,4-Oxadiazole, 5-(chloromethy...	254	C11H11ClN2O3	1000338-17-0	38
5	Pyrazole, 4-chloro-3,5-diphenyl-	254	C15H11ClN2	071549-28-5	38





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Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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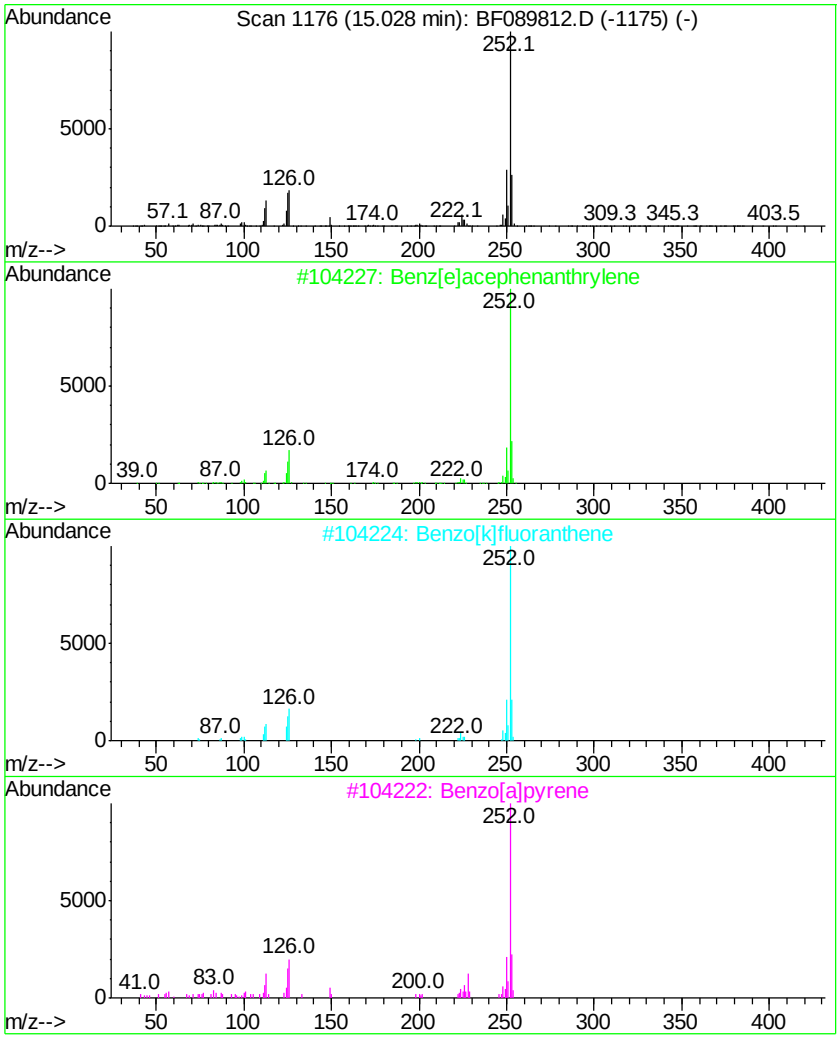
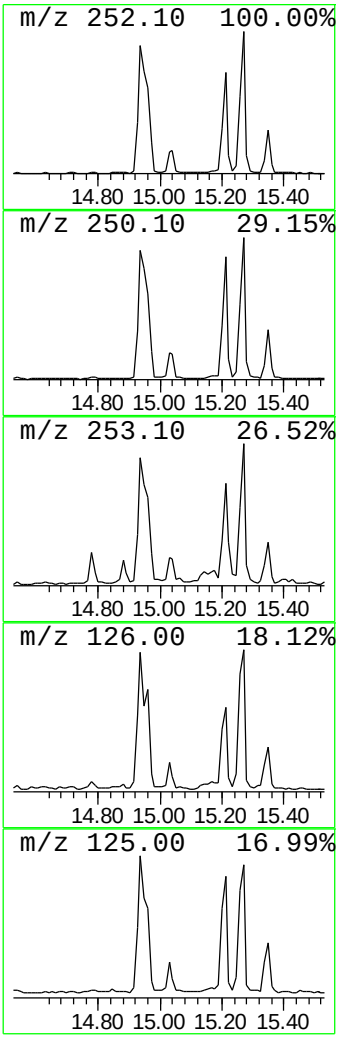
Peak Number 14 Benz[e]acephenanthrylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	4.82 ng	758511	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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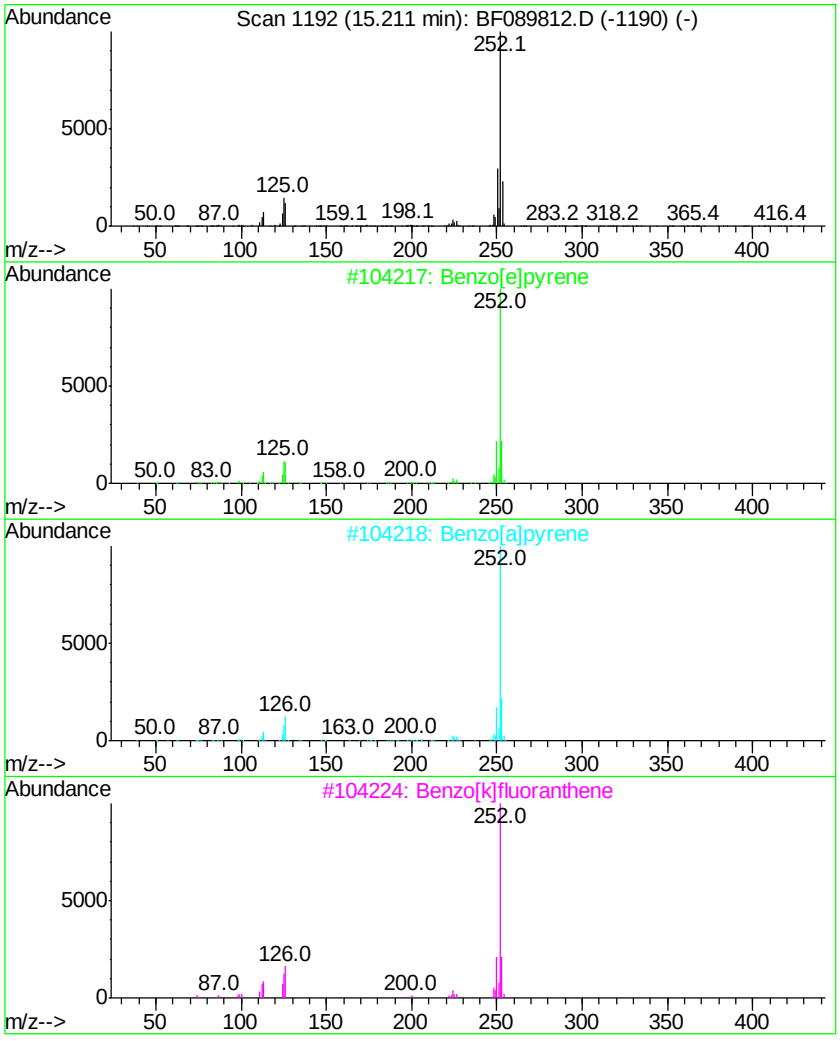
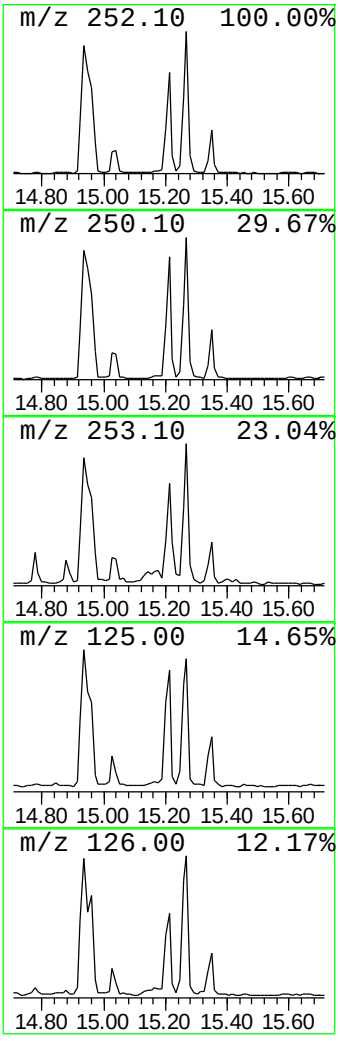
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	20.73 ng	3262970	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





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Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
Sample : H4518-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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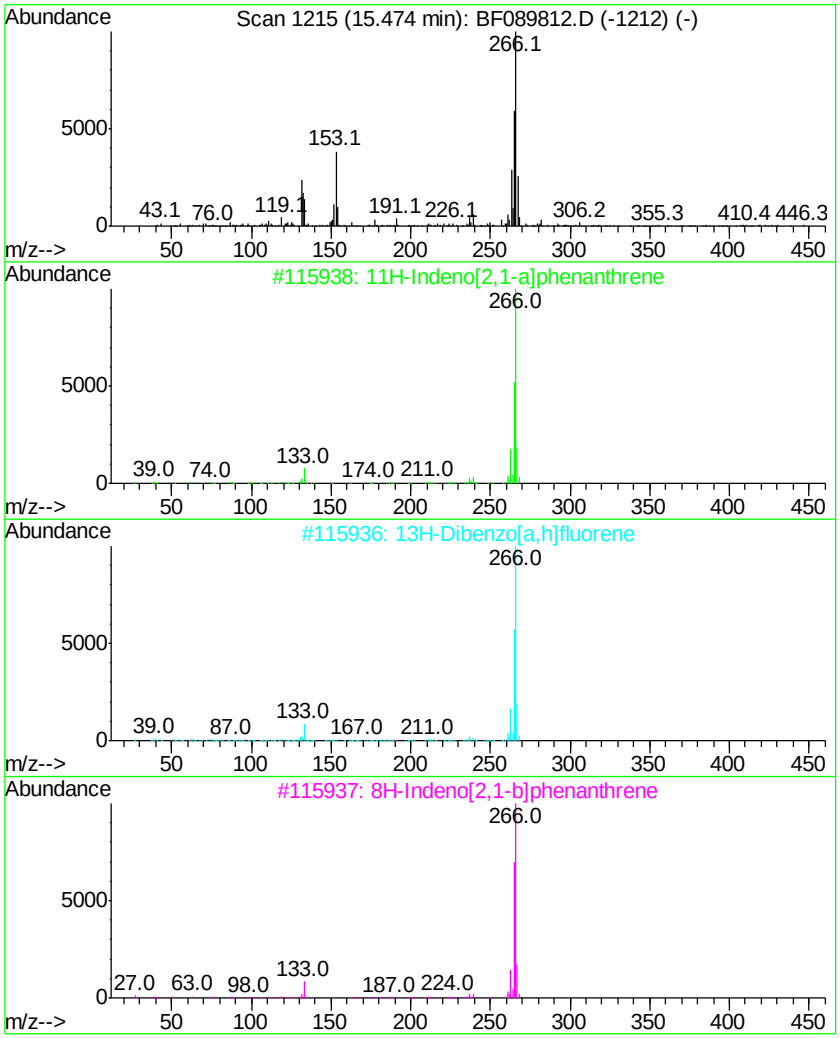
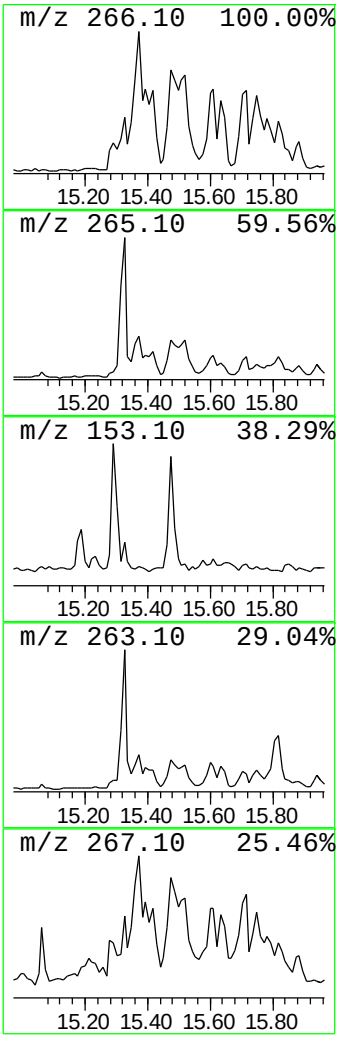
Peak Number 16 11H-Indeno[2,1-a]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	5.48 ng	862898	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	97
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	53
4	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	50
5	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	49





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
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TIC Library : C:\Database\NIST11.L
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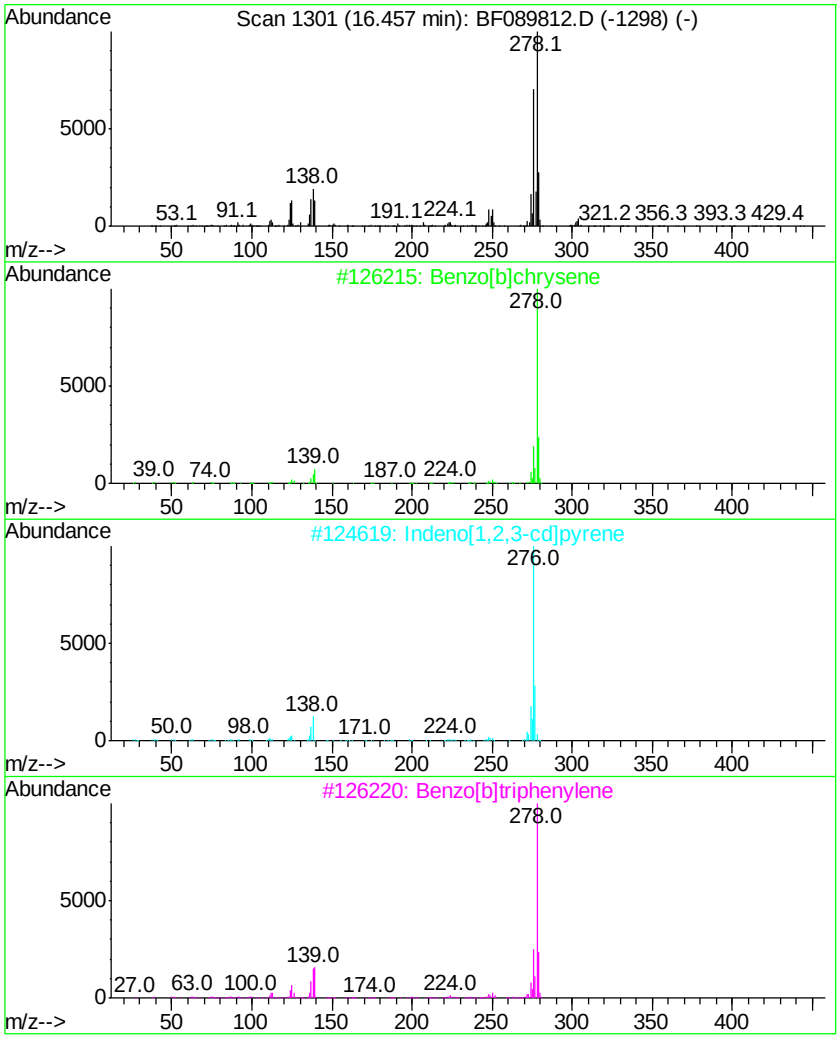
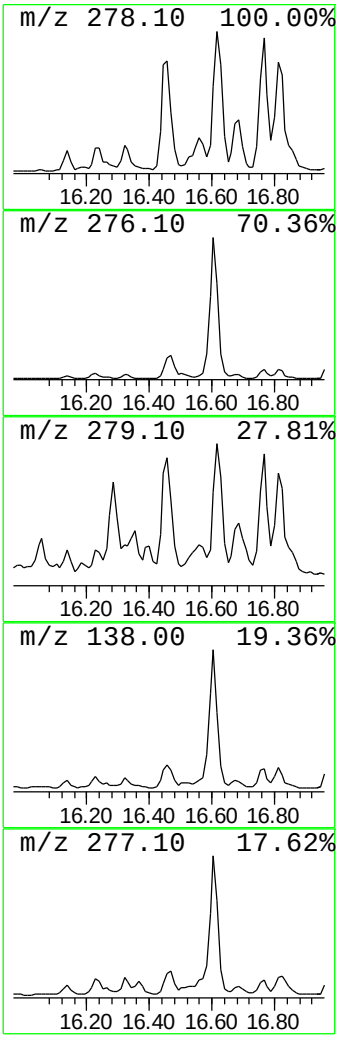
Peak Number 17 Benzo[b]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	7.96 ng	1252320	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	83
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
4	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	68
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
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Operator : UM/SJ
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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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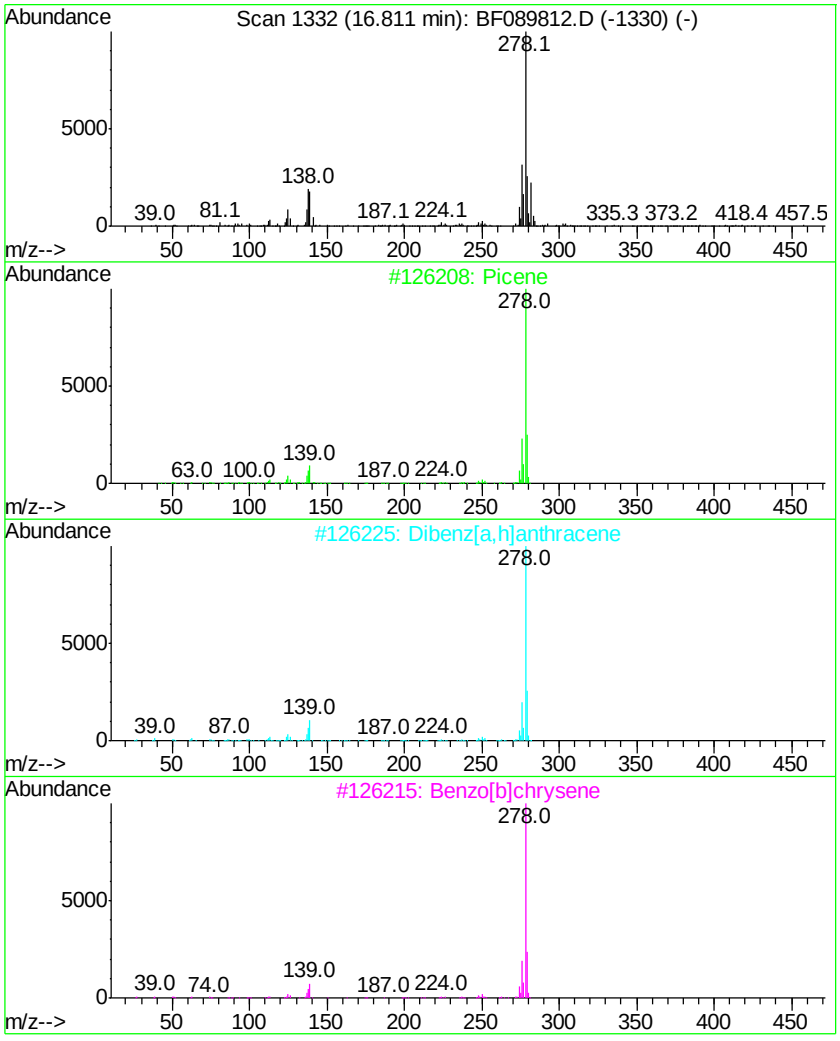
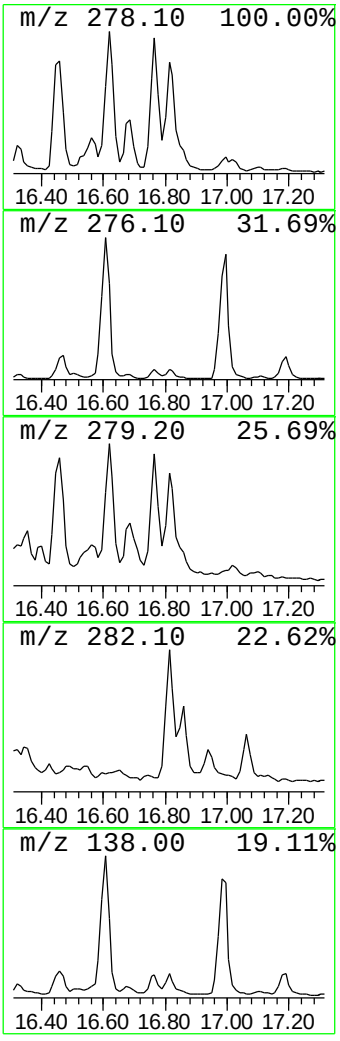
Peak Number 19 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	3.35 ng	526998	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Pentaphene	278	C22H14	000222-93-5	92
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	92





Tentatively Identified Compound (LSC) summary

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Data File : BF089812.D
Acq On : 19 Aug 2016 22:40
Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : B-1(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.82	18.8	ng	2981740	1	6.68	3176080	20.0
unknown6.44	6.44	52.6	ng	8349040	1	6.68	3176080	20.0
Phenanthrene, 2-m...	11.69	4.0	ng	2033300	4	11.19	10232400	20.0
4H-Cyclopenta[def...	11.81	8.6	ng	4373000	4	11.19	10232400	20.0
1,2,4,8-Tetrameth...	11.99	3.8	ng	1953990	4	11.19	10232400	20.0
Phenanthrene, 2,5...	12.24	3.2	ng	1656770	4	11.19	10232400	20.0
1,2-Benzenedicarb...	12.89	4.2	ng	4922390	5	13.85	23630400	20.0
Dibenzyl phthalate	14.72	3.5	ng	544992	6	15.33	3147480	20.0
unknown14.75	14.75	4.2	ng	654045	6	15.33	3147480	20.0
Benz[e]acephenant...	15.03	4.8	ng	758511	6	15.33	3147480	20.0
Benzo[e]pyrene	15.21	20.7	ng	3262970	6	15.33	3147480	20.0
11H-Indeno[2,1-a]...	15.47	5.5	ng	862898	6	15.33	3147480	20.0
Benzo[b]chrysene	16.46	8.0	ng	1252320	6	15.33	3147480	20.0
Picene	16.81	3.4	ng	526998	6	15.33	3147480	20.0