LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

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-BF031516.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	3.864	135	138	143	rVB	266031	411645	2.35%	0.267%
2	5.464	276	278	284	rVB	387176	512834	2.93%	0.333%
3	6.059	327	330	332	rVB	889929	1104892	6.31%	0.718%
4	6.207	342	343	347	rVV3	1042507	1096052	6.26%	0.712%
5	6.539	370	372	374	rVV	1397911	1347211	7.69%	0.875%
6	6.722	387	388	390	rVV2	284952	446815	2.55%	0.290%
7	6.905	399	404	405	rBV	639034	854924	4.88%	0.555%
8	6.962	405	409	410	rVV	516872	483905	2.76%	0.314%
9	6.985	410	411	413	rVV2	957263	716214	4.09%	0.465%
10	7.122	422	423	424	rVV	619699	687795	3.93%	0.447%
11	7.167	424	427	429	rVV	3019396	4023942	22.97%	2.614%
12	7.305	437	439	441	rVV	1100859	1147365	6.55%	0.745%
13	7.362	441	444	445	rVV2	581095	1533900	8.76%	0.996%
14	7.385	445	446	449	rVV3	760792	1435271	8.19%	0.932%
15	7.453	449	452	454	rVV3	1049492	2489750	14.21%	1.617%
16	7.602	462	465	469	rVB2	239272	376879	2.15%	0.245%
17	7.979	495	498	501	rVB2	660450	875876	5.00%	0.569%
18	8.242	514	521	522	rBV	6754653	17517039	100.00%	11.379%
19	8.265	522	523	526	rVV	1088923	1444616	8.25%	0.938%
20	8.322	526	528	529	rVV2	1140176	1632321	9.32%	1.060%
21	8.539	544	547	550	rVB	1687059	1805515	10.31%	1.173%
22	8.825	570	572	574	rBV	666187	756501	4.32%	0.491%
23	8.859	574	575	577	rVV2	371555	503114	2.87%	0.327%
24	8.905	577	579	582	rVB	4194479	4078946	23.29%	2.650%
25	8.950	582	583	584	rBV	377456	408453	2.33%	0.265%
26	9.008	584	588	590	rVB	1820424	2825138	16.13%	1.835%
27	9.362	617	619	621	rVV	1727974	1514430	8.65%	0.984%
28	9.431	624	625	627	rVV2	224411	423108	2.42%	0.275%
29	9.522	630	633	635	rBV	583554	900443	5.14%	0.585%
30	9.602	635	640	641	rVV	657746	868163	4.96%	0.564%
31	9.625	641	642	644	rVB	526353	441016	2.52%	0.286%
32	9.716	647	650	655	rBV2	321016	469766	2.68%	0.305%
33	9.808	655	658	660	rBV	2234709	2461567	14.05%	1.599%
34	9.945	666	670	671	rBV2	965418	1538604	8.78%	0.999%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

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-BF031516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.968	671	672	674	rVV	853179	1106523	6.32%	0.719%
36	10.151	685	688	690	rBV	3652804	3442158	19.65%	2.236%
37	10.368	703	707	708	rBV	187914	374903	2.14%	0.244%
38	10.493	716	718	721	rVB	4057763	4036954	23.05%	2.622%
39	10.642	730	731	735	rBV2	623899	704797	4.02%	0.458%
40	10.722	735	738	741	rBV2	789073	1377821	7.87%	0.895%
41	11.031	762	765	767	rBV2	445173	768617	4.39%	0.499%
42	11.134	771	774	775	rBV2	363868	494756	2.82%	0.321%
43	11.316	788	790	793	rBV	668290	955771	5.46%	0.621%
44	11.465	797	803	805	rBV	5945569	9634446	55.00%	6.258%
45	11.511	805	807	808	rVV	3523972	3026467	17.28%	1.966%
46	11.659	816	820	822	rBV2	1845174	2083137	11.89%	1.353%
47	11.922	841	843	845	rBV	563160	933942	5.33%	0.607%
48	11.956	845	846	848	rVB	1243350	916387	5.23%	0.595%
49	12.002	848	850	851	rBV	439093	406474	2.32%	0.264%
50	12.048	851	854	858	rVB2	1578463	2394844	13.67%	1.556%
51	12.219	868	869	871	rVB	678327	536702	3.06%	0.349%
52	12.311	875	877	880	rBV2	214258	571004	3.26%	0.371%
53	12.642	903	906	908	rVB	3951244	6472572	36.95%	4.205%
54	12.734	912	914	916	rVB	677687	538867	3.08%	0.350%
55	12.779	916	918	923	rBV3	1337723	1892113	10.80%	1.229%
56	12.871	923	926	929	rVV	3586318	5552779	31.70%	3.607%
57	12.985	935	936	938	rVV	623773	717987	4.10%	0.466%
58	13.019	938	939	941	rVV	486425	567681	3.24%	0.369%
59	13.088	941	945	946	rVV2	757229	1279638	7.31%	0.831%
60	13.122	946	948	949	rVB	660465	736418	4.20%	0.478%
61	13.191	949	954	956	rBV	1007578	1837235	10.49%	1.193%
62	13.259	958	960	962	rVV	1406094	2057335	11.74%	1.336%
63	13.305	962	964	965	rVV	863703	1077931	6.15%	0.700%
64	13.362	967	969	970	rVV	642162	778339	4.44%	0.506%
65	13.385	970	971	973	rVV2	311560	466310	2.66%	0.303%
66	13.419	973	974	976	rVV2	491821	468952	2.68%	0.305%
67	13.842	1009	1011	1012	rVV	406392	489541	2.79%	0.318%
68	13.865	1012	1013	1018	rVB3	388459	531930	3.04%	0.346%
69	14.060	1025	1030	1032	rVV	3144809	4793139	27.36%	3.114%
70	14.094	1032	1033	1035	rVV	2482124	1995664	11.39%	1.296%
71	14.254	1042	1047	1048	rVV	418085	849447	4.85%	0.552%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

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-BF031516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.288	1048	1050	1054	rVV2	396302	790756	4.51%	0.514%
73	14.448	1061	1064	1065	rVV	434824	531791	3.04%	0.345%
74	14.540	1069	1072	1074	rBV2	327059	574911	3.28%	0.373%
75	14.597	1074	1077	1079	rVV3	515375	1093330	6.24%	0.710%
76	14.757	1088	1091	1096	rBV3	373342	1006283	5.74%	0.654%
77	15.100	1118	1121	1126	rBV	1906575	4604385	26.29%	2.991%
78	15.203	1128	1130	1132	rBV	648541	742965	4.24%	0.483%
79	15.294	1135	1138	1142	rBV3	237026	639704	3.65%	0.416%
80	15.397	1144	1147	1150	rVB	1210275	1744824	9.96%	1.133%
81	15.465	1150	1153	1155	rBV	1892571	2799482	15.98%	1.819%
82	15.511	1155	1157	1159	rBV	560103	932871	5.33%	0.606%
83	15.545	1159	1160	1163	rVB	694097	657515	3.75%	0.427%
84	15.694	1170	1173	1176	rBV	169164	543376	3.10%	0.353%
85	15.740	1176	1177	1180	rVB3	309837	446931	2.55%	0.290%
86	15.865	1186	1188	1193	rVB	175656	436306	2.49%	0.283%
87	16.060	1202	1205	1208	rVV	375395	693797	3.96%	0.451%
88	16.140	1210	1212	1215	rVB4	189236	377292	2.15%	0.245%
89	16.517	1239	1245	1251	rBV6	135658	706154	4.03%	0.459%
90	16.654	1254	1257	1260	rVV5	164294	457419	2.61%	0.297%
91	16.768	1263	1267	1274	rVV3	235788	1162504	6.64%	0.755%
92	16.951	1279	1283	1287	rVV2	915224	2160724	12.33%	1.404%
93	17.020	1287	1289	1293	rVV	155358	432589	2.47%	0.281%
94	17.123	1295	1298	1300	rVV	229475	467478	2.67%	0.304%
95	17.180	1300	1303	1307	rVV	195022	541923	3.09%	0.352%
96	17.386	1315	1321	1327	rBV	557371	1457640	8.32%	0.947%
97	17.523	1327	1333	1337	rBV5	167406	534853	3.05%	0.347%
98	17.614	1337	1341	1344	rBV	274888	549126	3.13%	0.357%
99	17.889	1362	1365	1368	rBV5	140543	414088	2.36%	0.269%
100	18.289	1395	1400	1403	rBV5	179410	438011	2.50%	0.285%

Sum of corrected areas: 153942619

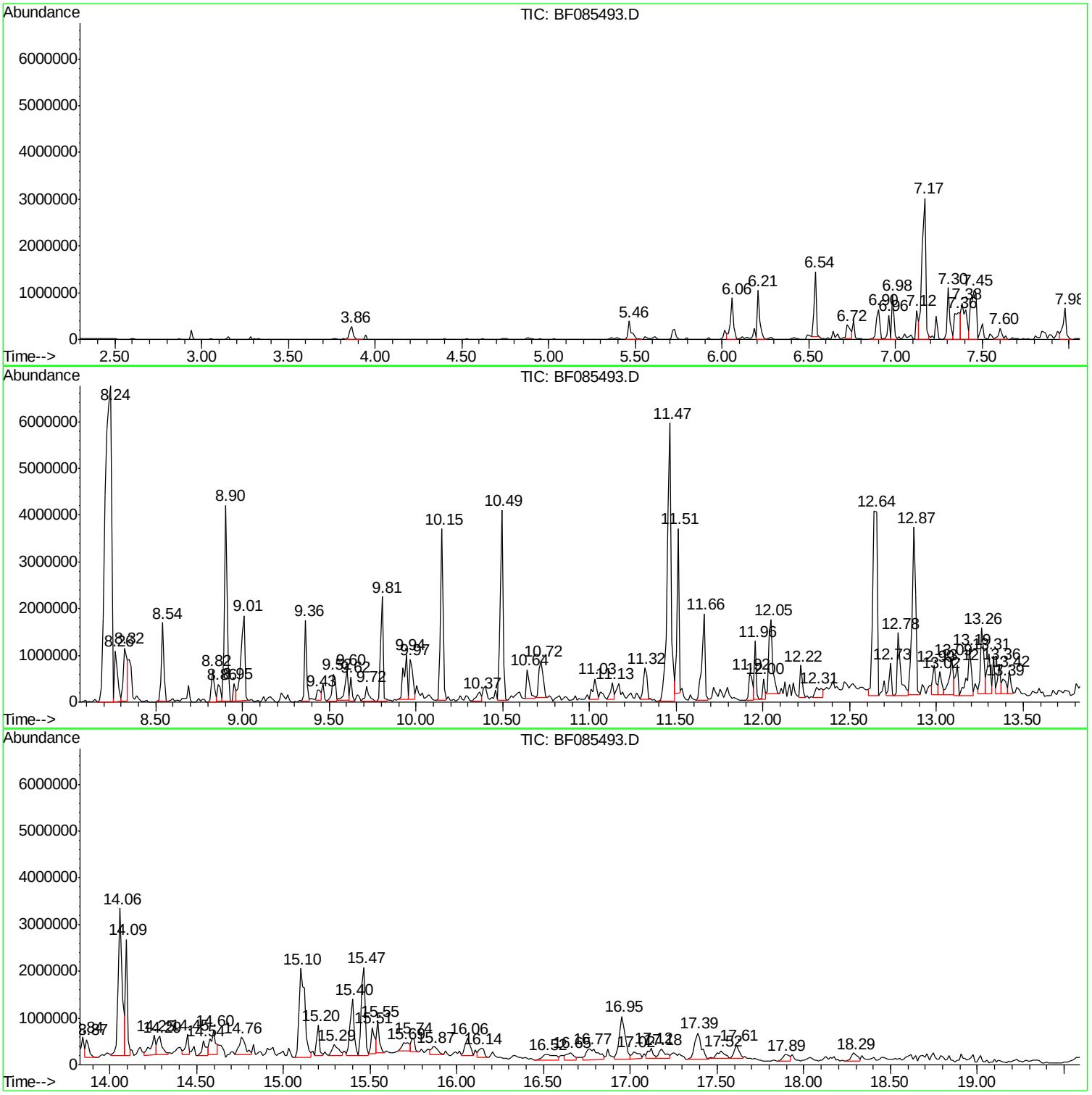
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.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\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

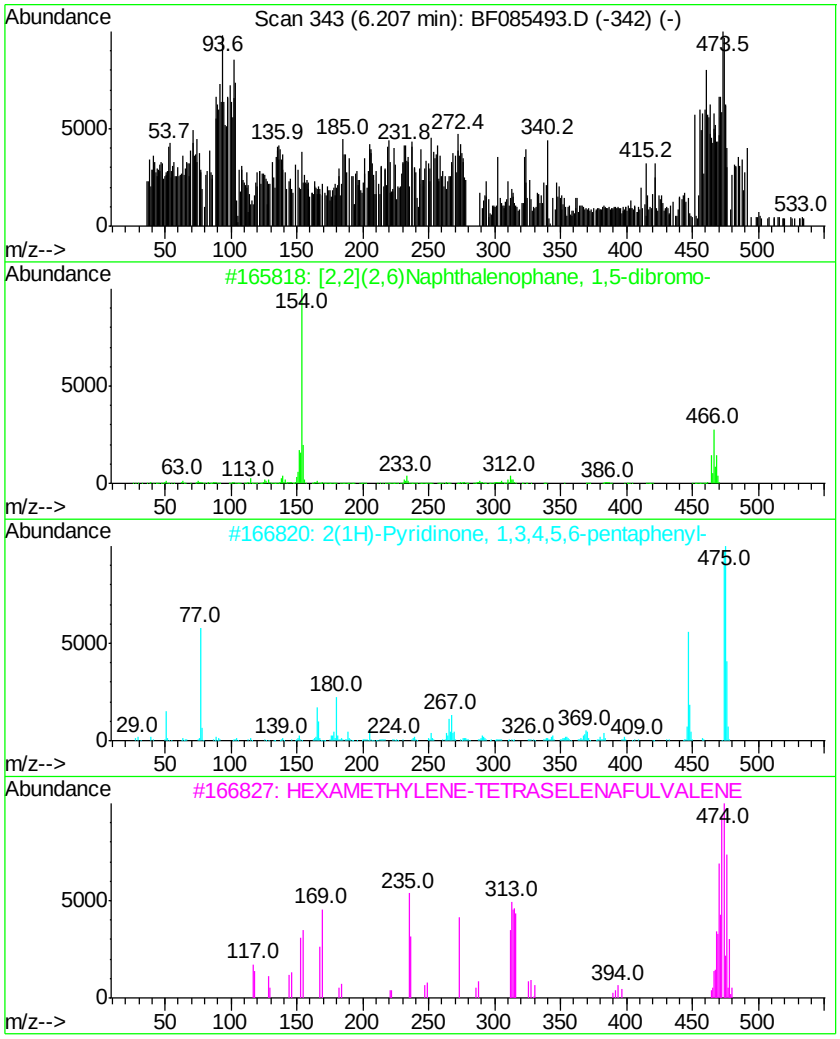
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

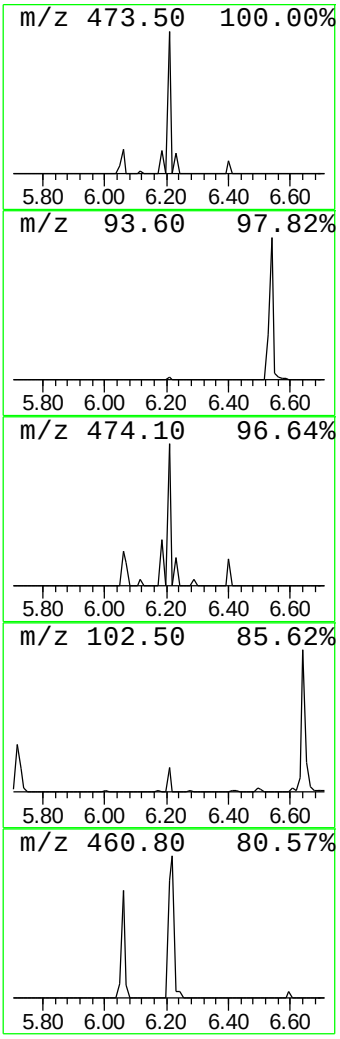
****

Peak Number 2 unknown6.21 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	25.64 ng	1096050	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[2,2](2,6)Naphthalenophane, 1,5-...	464	C24H18Br2	1000149-74-9	35
2	2(1H)-Pyridinone, 1,3,4,5,6-pent...	475	C35H25NO	062557-81-7	25
3	HEXAMETHYLENE-TETRASELENAFULVALENE	476	C12H12Se4	1000149-16-6	20
4	4-Pyridinol, 2,6-bis[p-bromophen...	471	C17H9Br2Cl2NO	1000252-78-2	18
5	2,2',3',4',5,5',6-Heptachloro-3-...	470	C13H5Cl7O2S	153310-27-1	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

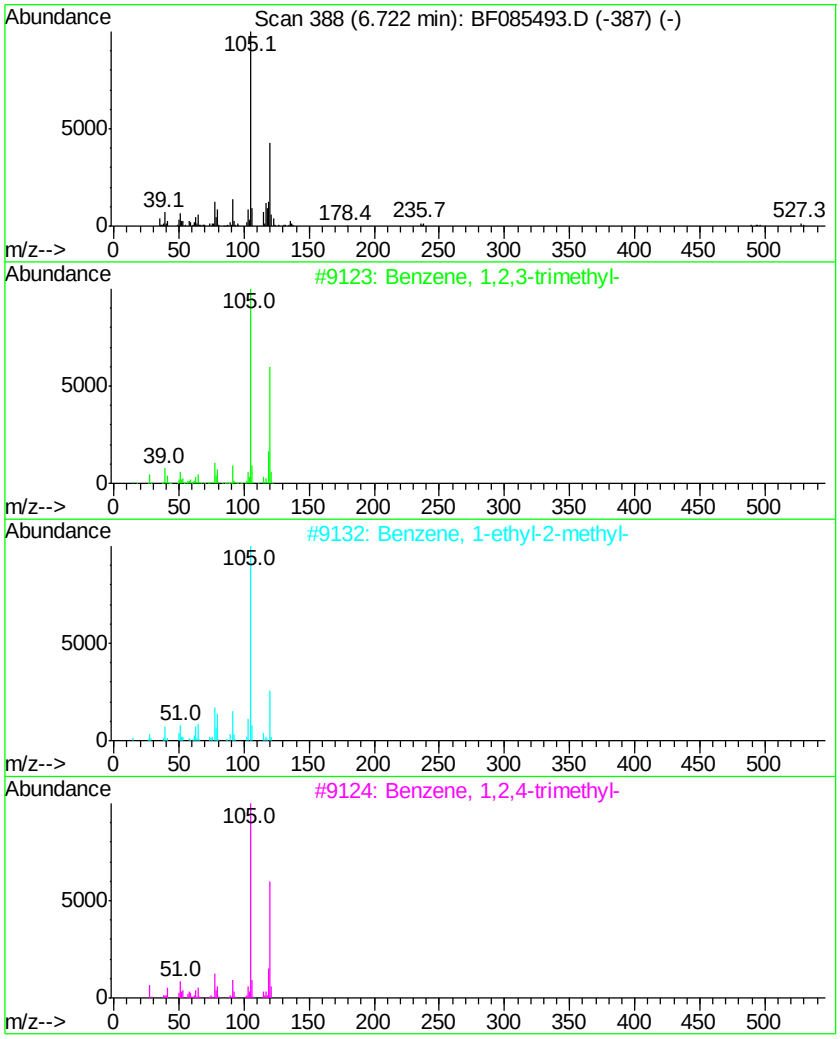
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

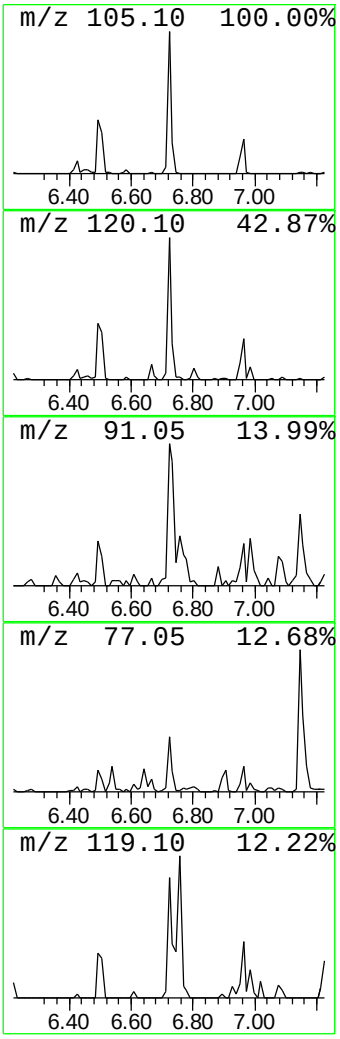
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	10.45 ng	446815	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	70
5	2,4-Nonadiyne	120	C9H12	063621-15-8	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
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Acq On : 17 Mar 2016 6:12
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Sample : H1796-15 50X
Misc :
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Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

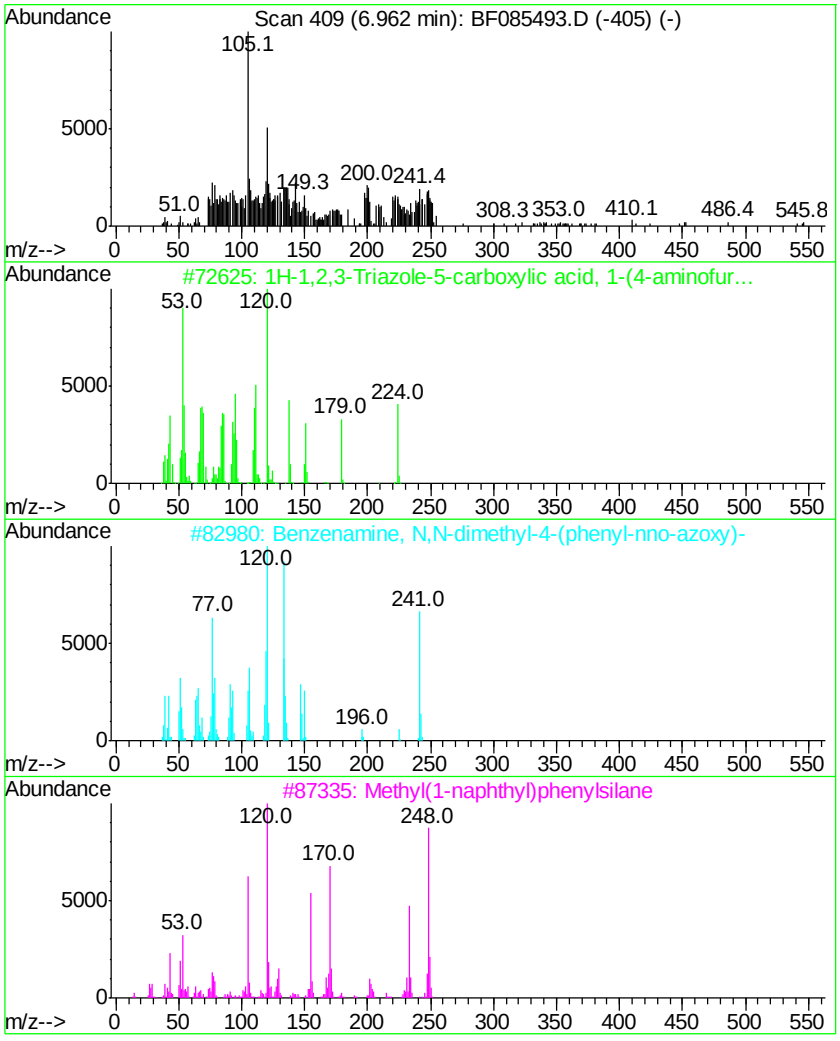
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

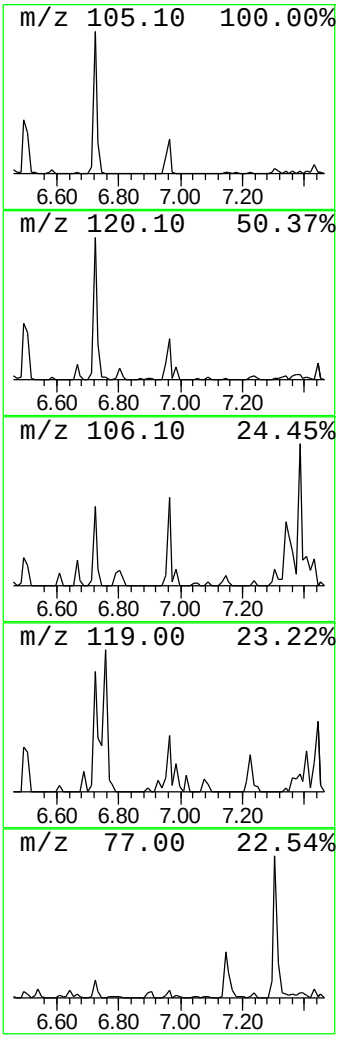
****

Peak Number 4 1H-1,2,3-Triazole-5-carboxy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	11.32 ng	483905	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,3-Triazole-5-carboxylic a...	224	C7H8N6O3	292836-28-3	91
2	Benzenamine, N,N-dimethyl-4-(phe...	241	C14H15N3O	003291-89-2	15
3	Methyl(1-naphthyl)phenylsilane	248	C17H16Si	007427-12-5	14
4	2-Furanacetic acid, tetrahydro-5...	220	C13H16O3	083041-42-3	11
5	Isobutyric acid, 2-bromo-N-phenyl-	241	C10H12BrNO	002322-45-4	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

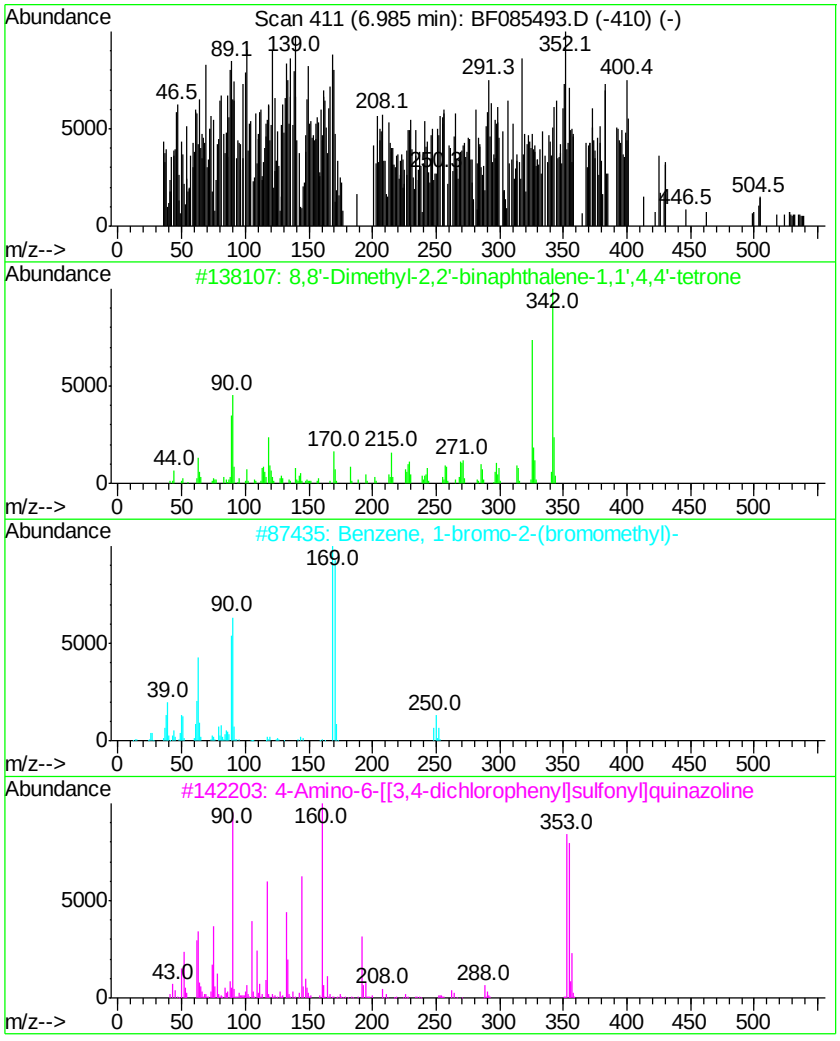
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

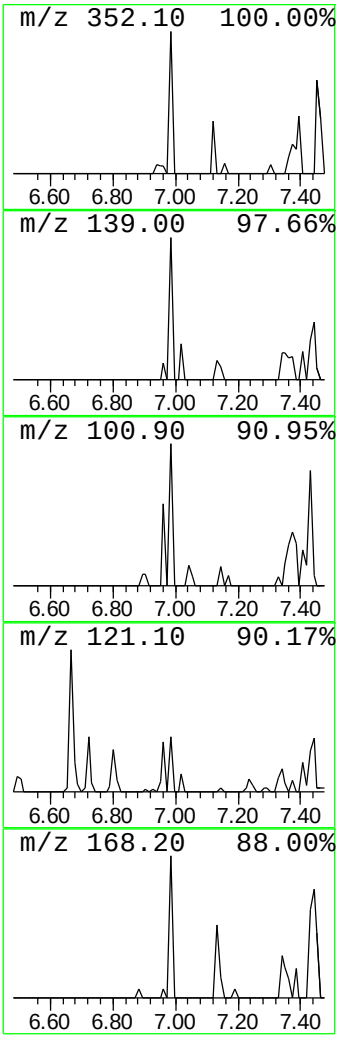
****

Peak Number 5 unknown6.98 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	16.76 ng	716214	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,8'-Dimethyl-2,2'-binaphthalene...	342	C22H14O4	097308-81-1	41
2	Benzene, 1-bromo-2-(bromomethyl)-	248	C7H6Br2	003433-80-5	38
3	4-Amino-6-[[3,4-dichlorophenyl]s...	353	C14H9Cl2N3O2S	052979-19-8	25
4	1H-Indazole-3-carboxylic acid	162	C8H6N2O2	004498-67-3	25
5	Androstan-7-one, (5.alpha.)-	274	C19H30O	002232-18-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

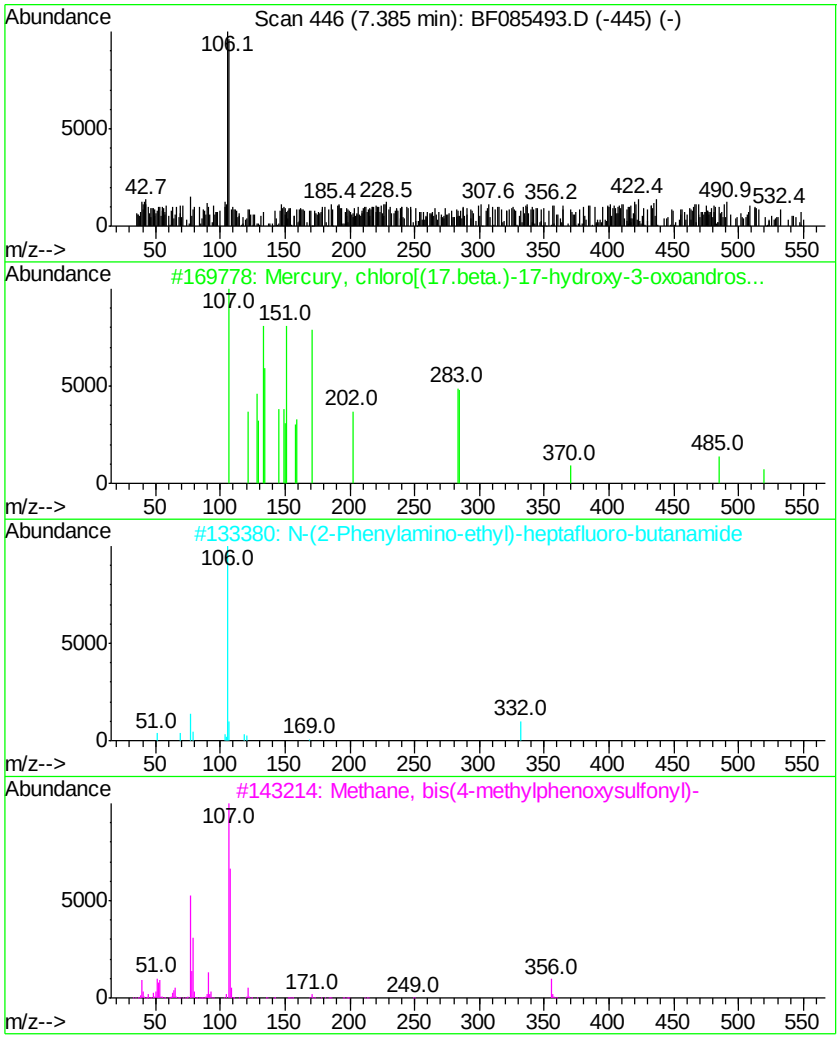
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

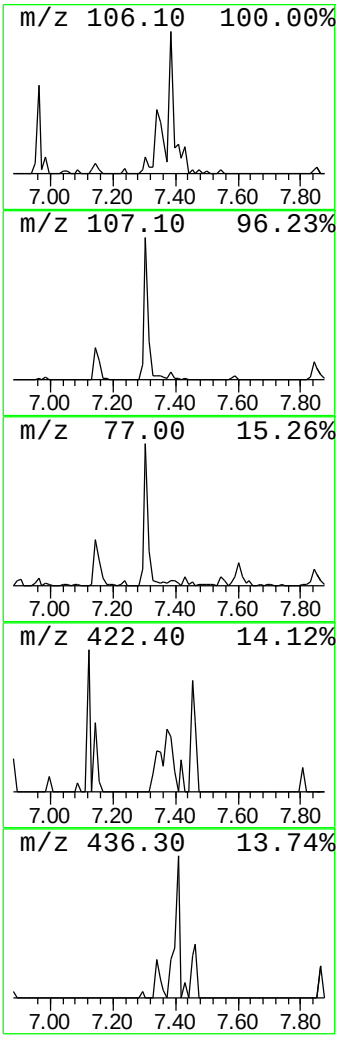
****

Peak Number 7 unknown7.38 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	33.58 ng	1435270	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mercury, chloro[(17.beta.)-17-hy...	520	C19H23ClHgO2	036794-30-6	32
2	N-(2-Phenylamino-ethyl)-heptaflu...	332	C12H11F7N2O	077970-77-5	30
3	Methane, bis(4-methylphenoxysulf...	356	C15H16O6S2	002997-56-0	25
4	3,7,14,18-Tetrathiatricyclo[18.2...	420	C22H28S4	026822-25-3	16
5	1,3;5,7-Di-O-benzylidene-.alpha....	388	C21H24O7	1000130-05-5	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

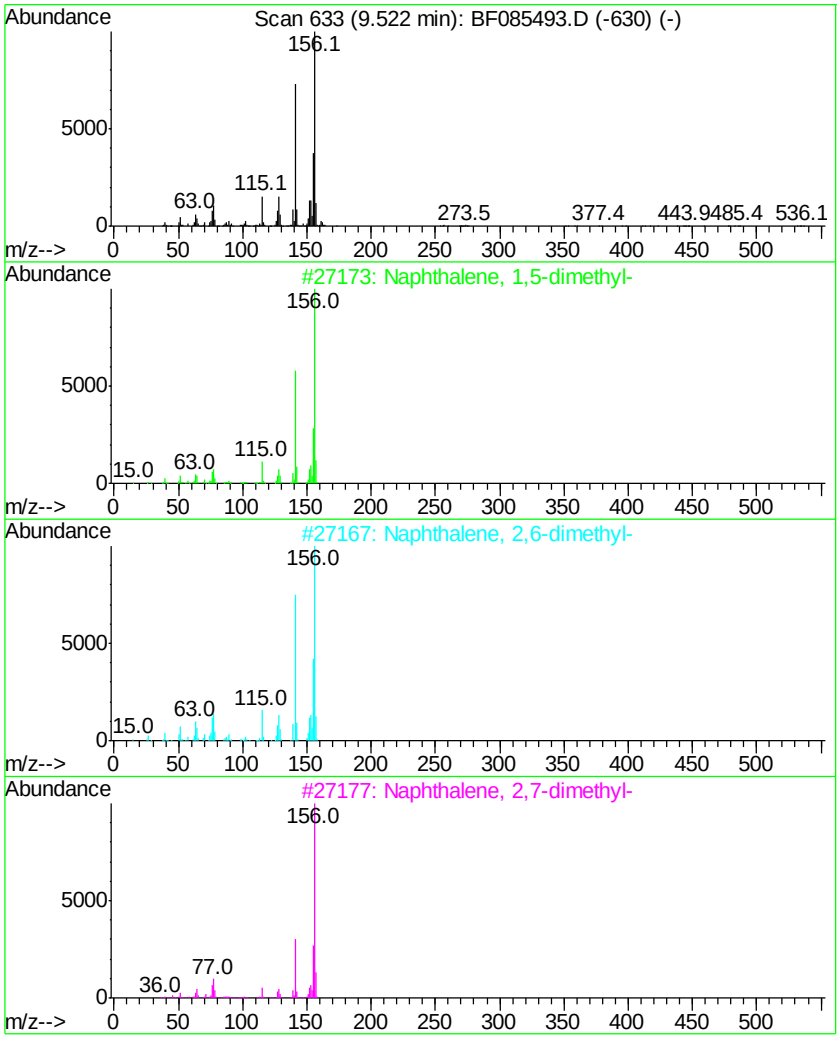
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

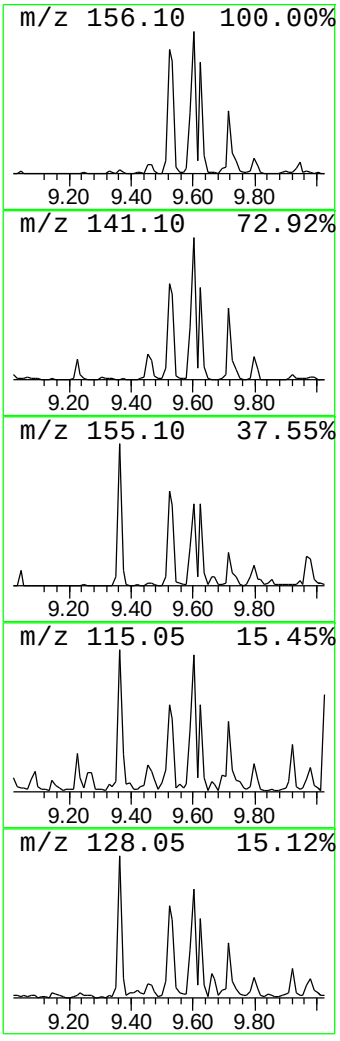
****

Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	11.70 ng	900443	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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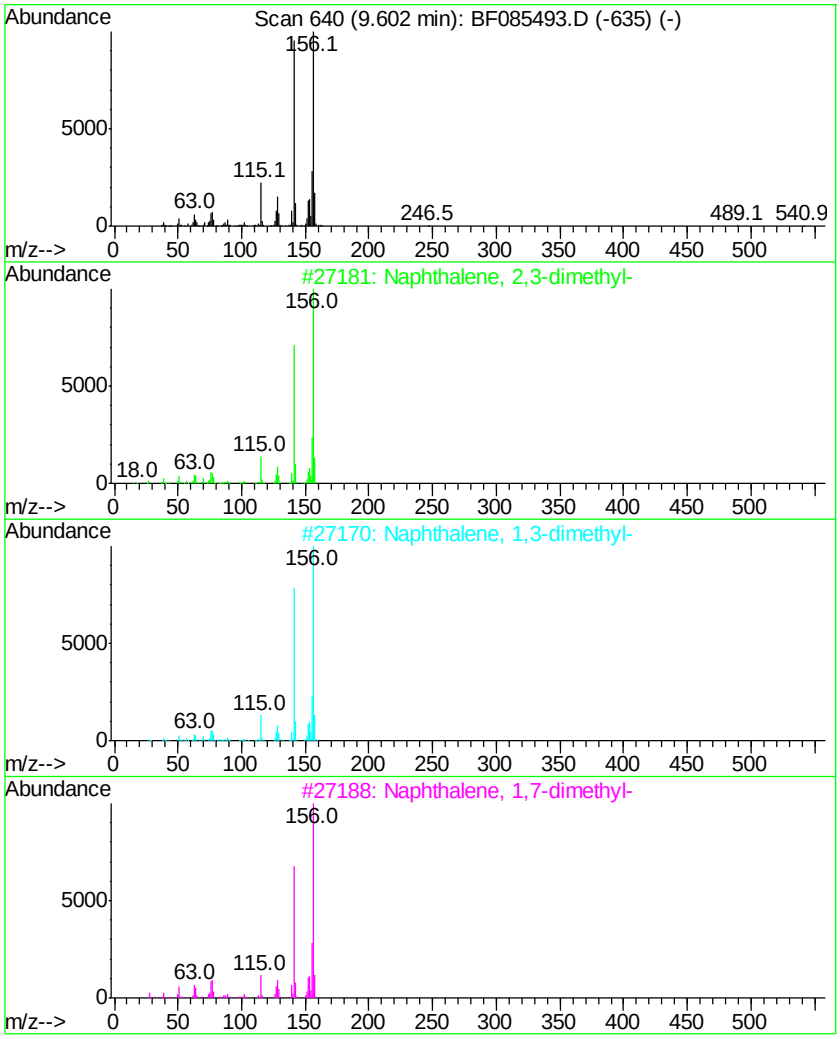
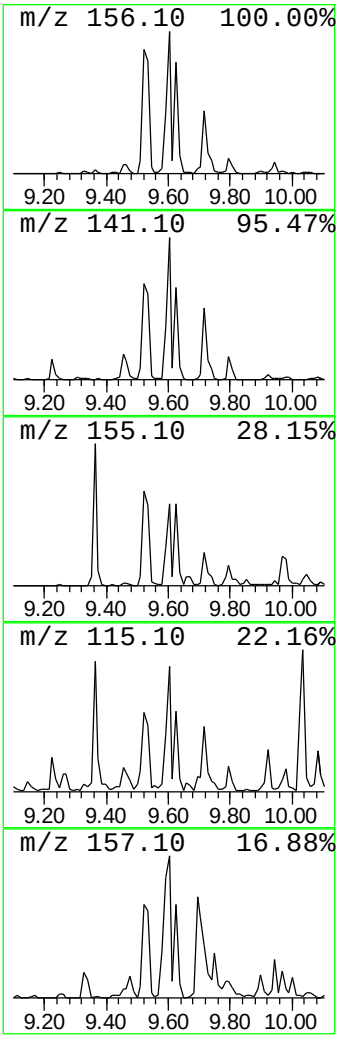
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	11.29 ng	868163	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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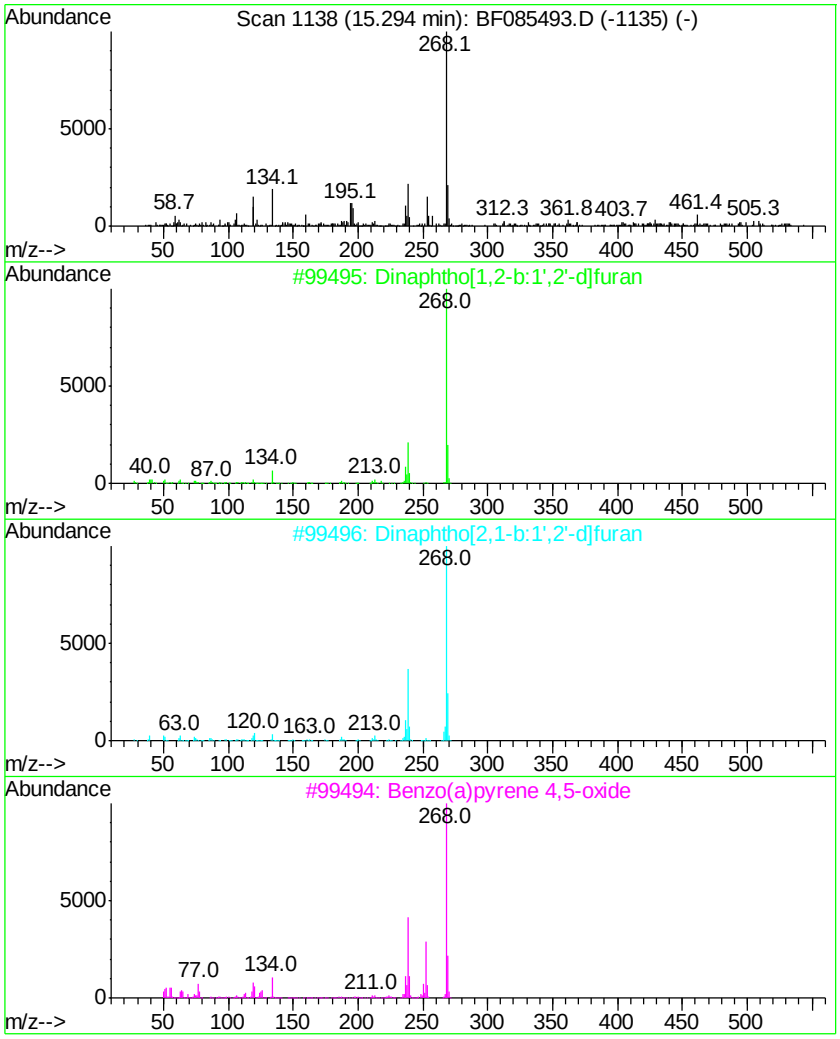
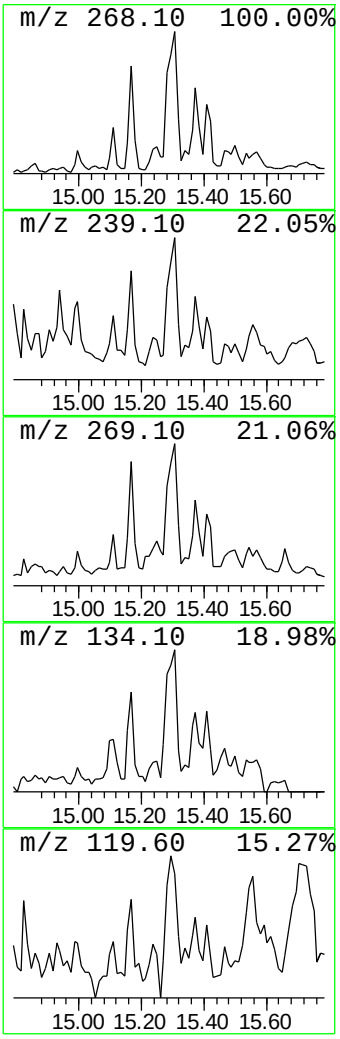
Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	13.71 ng	639704	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	76
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	64
5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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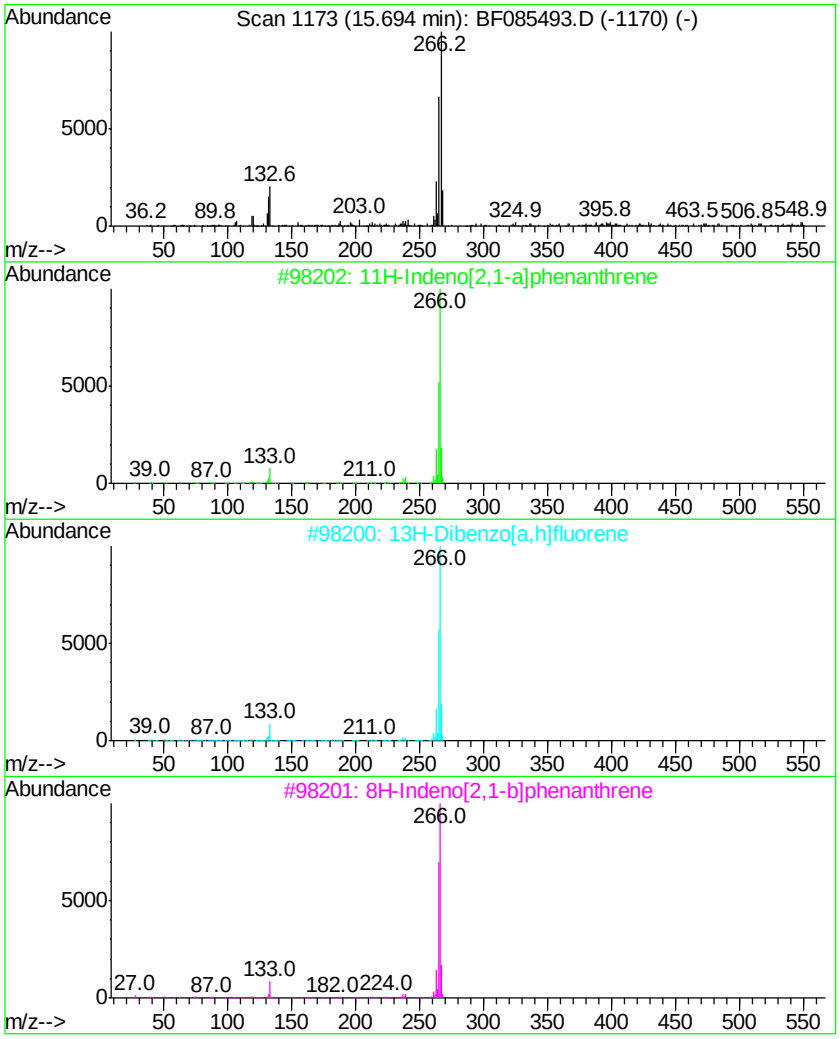
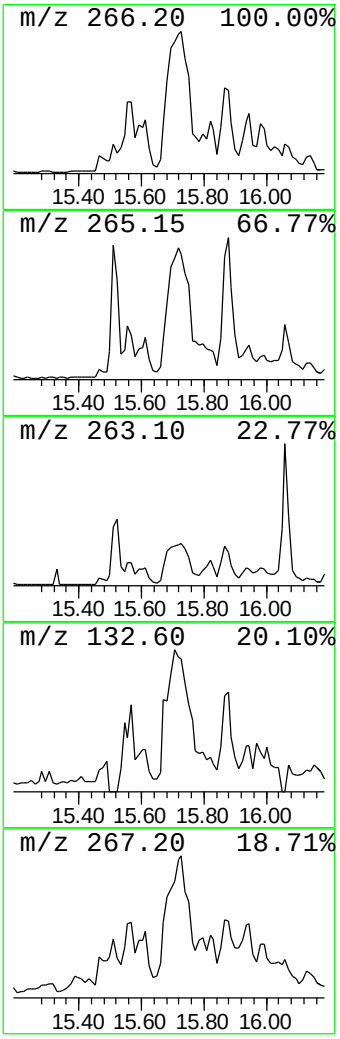
Peak Number 13 11H-Indeno[2,1-a]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	11.65 ng	543376	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	96
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	96
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	93
4	2-Amino-3-cyano-5-[2-[3,4-methyl...	266	C14H10N4O2	1000252-72-1	68
5	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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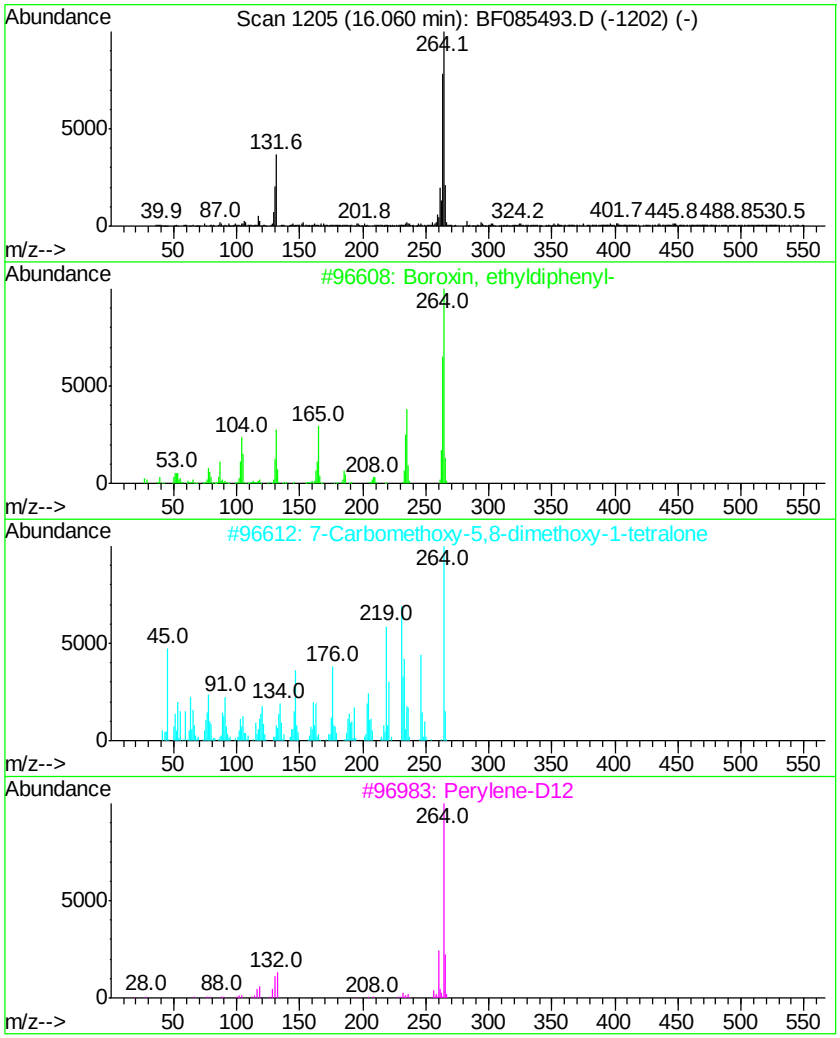
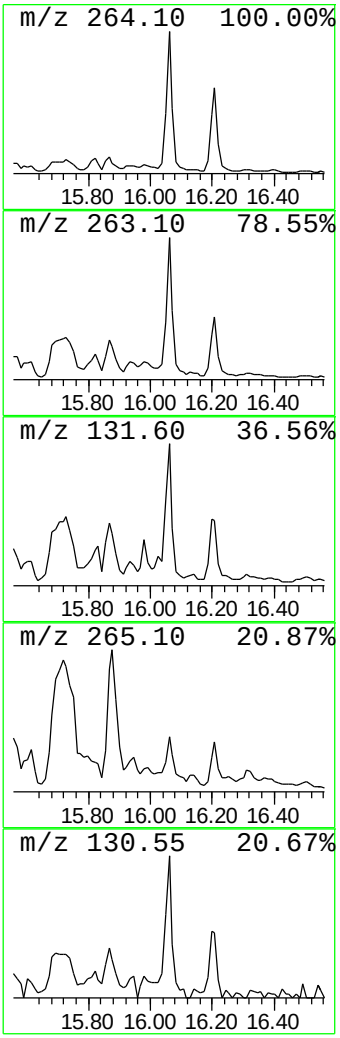
Peak Number 14 Boroxin, ethyldiphenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	14.87 ng	693797	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	50
2	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	38
3	Perylene-D12	264	C20D12	001520-96-3	38
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
5	7,9-Diamino-5,6,8,10-tetraaza-be...	264	C13H8N6O	052559-29-2	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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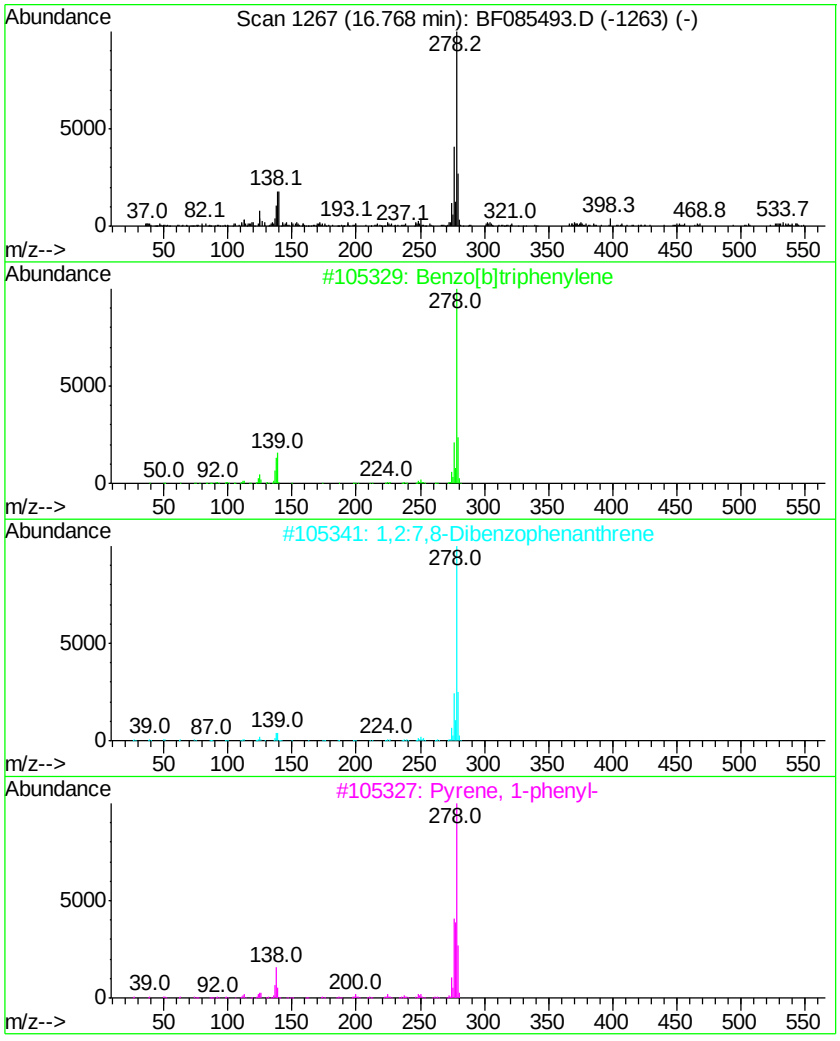
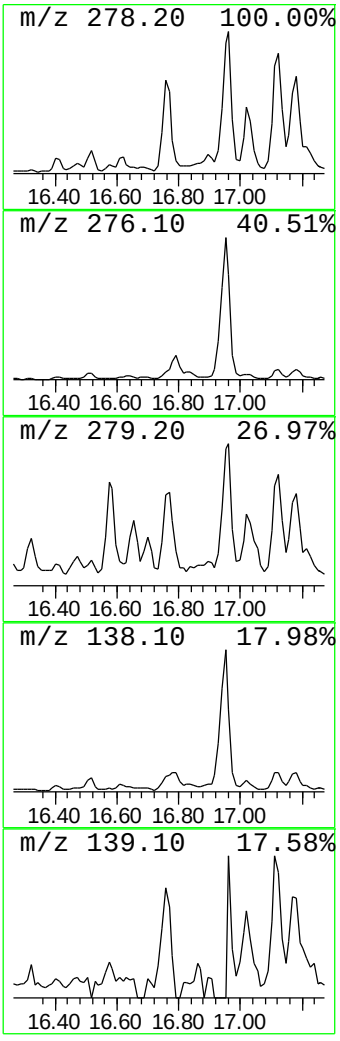
Peak Number 16 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	24.92 ng	1162500	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	91
3	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	78
4	Pentaphene	278	C22H14	000222-93-5	78
5	Benzo[b]chrysene	278	C22H14	000214-17-5	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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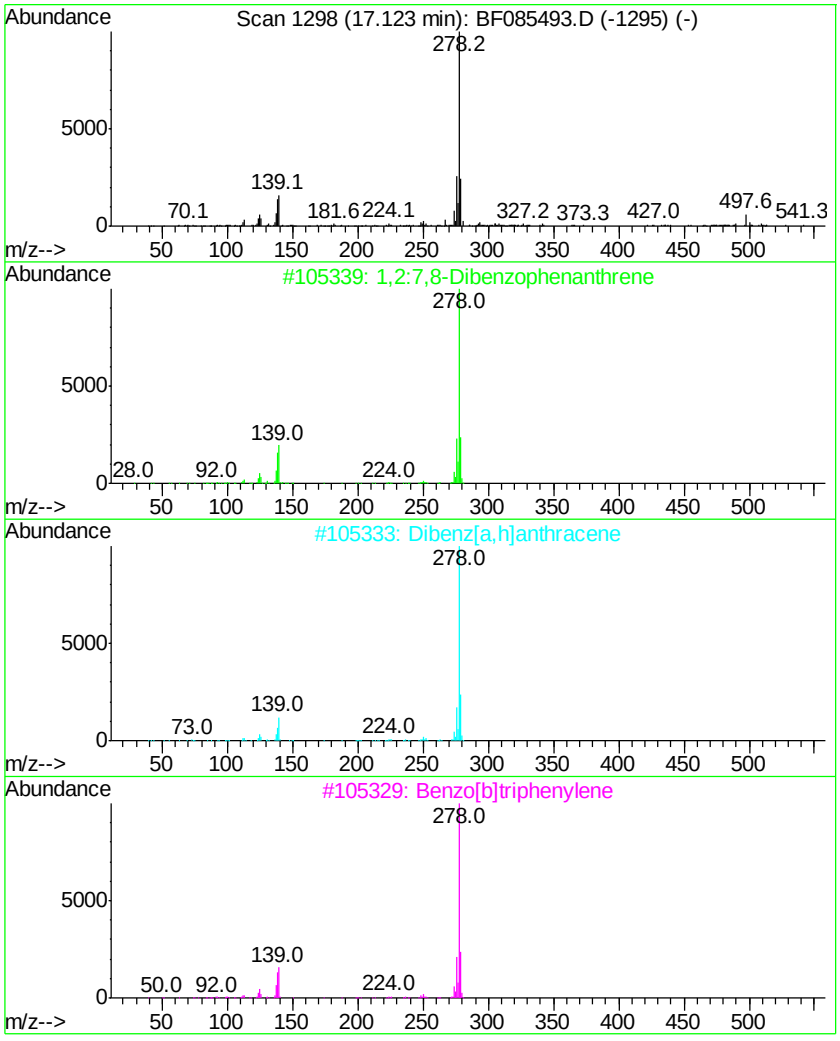
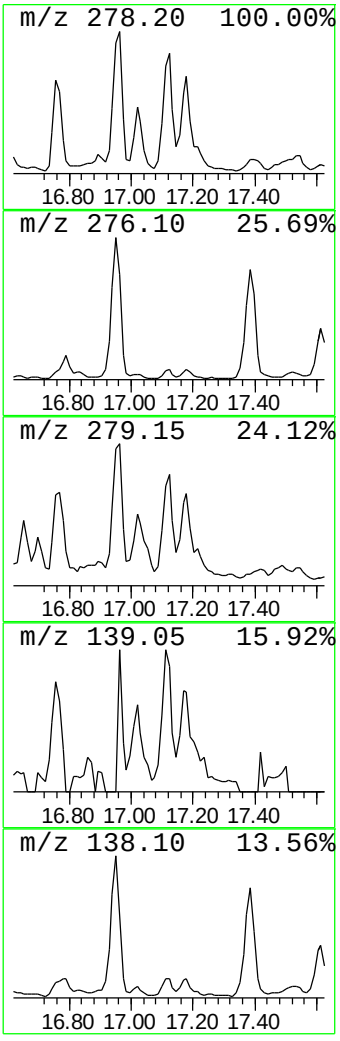
Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	10.02 ng	467478	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4	Pentacene	278	C22H14	000135-48-8	95
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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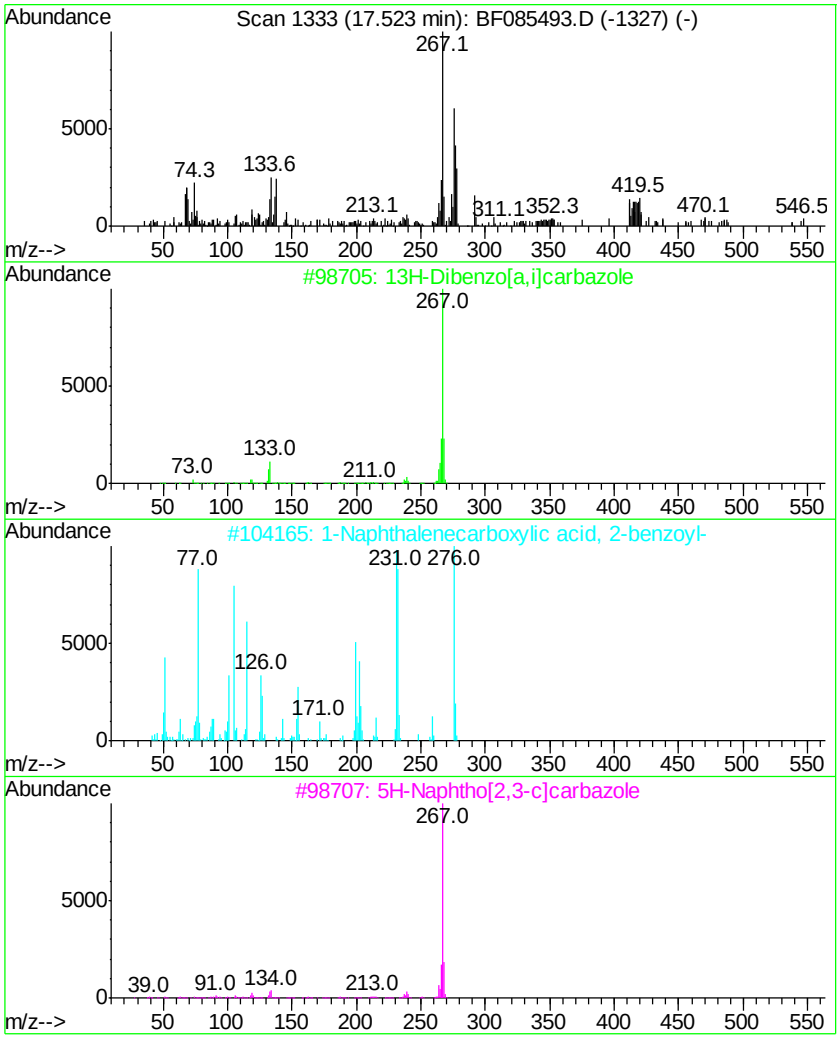
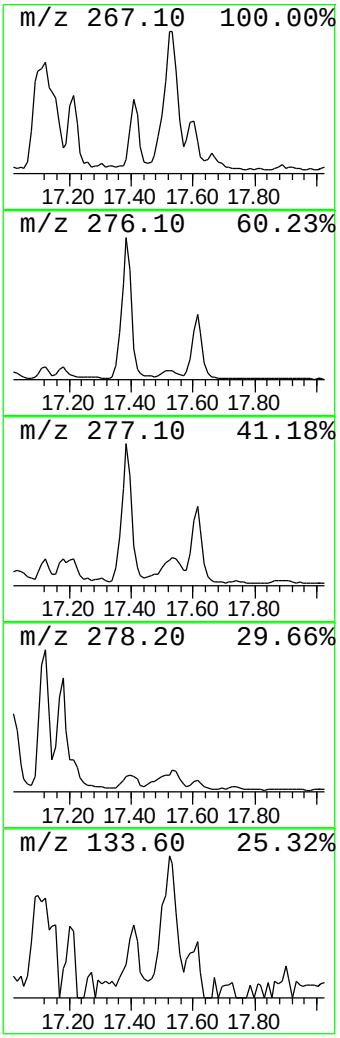
Peak Number 19 13H-Dibenzo[a,i]carbazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	11.47 ng	534853	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	62
2	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	59
3	5H-Naphtho[2,3-c]carbazole	267	C20H13N	000198-96-9	43
4	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	35
5	10H-Phenothiazine, 2-(trifluorom...	267	C13H8F3NS	000092-30-8	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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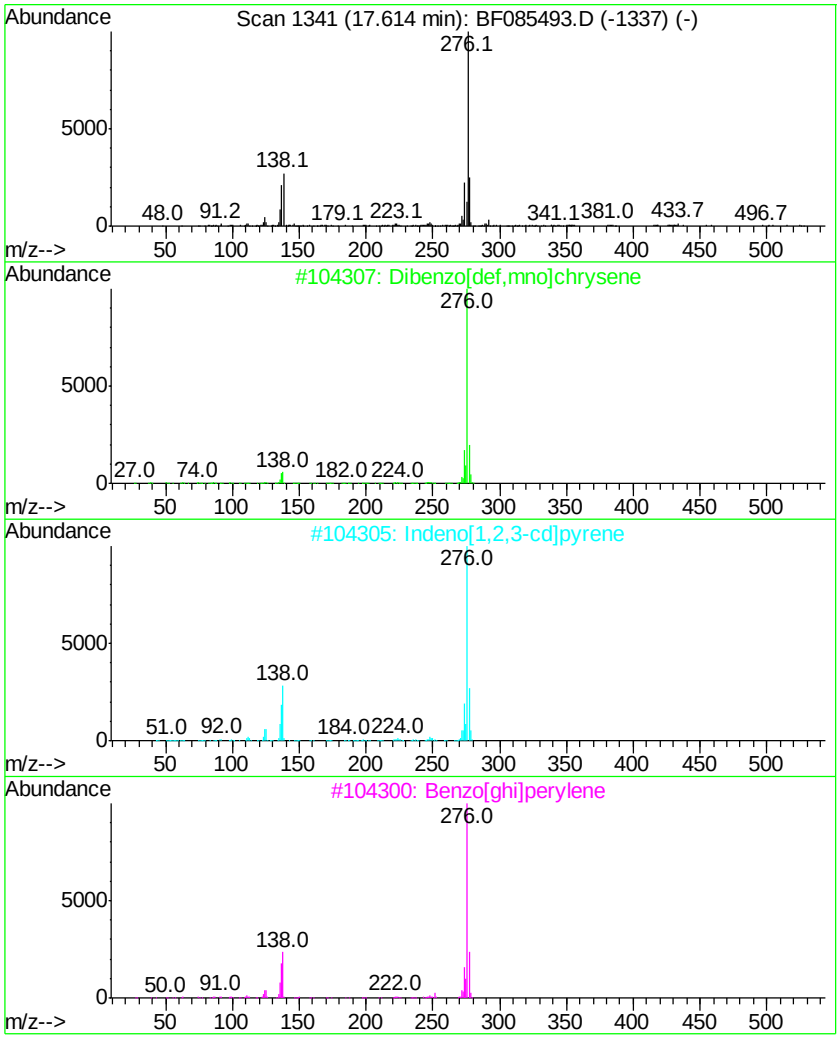
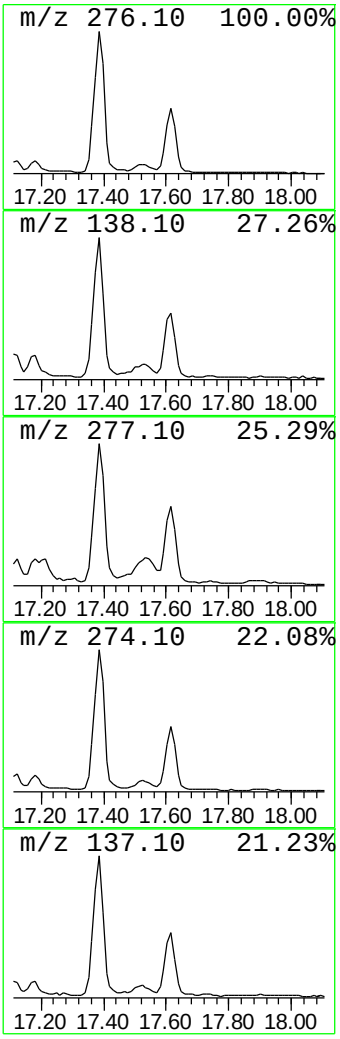
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	11.77 ng	549126	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
Data File : BF085493.D
Acq On : 17 Mar 2016 6:12
Operator : UM/SJ
Sample : H1796-15 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB15(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.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
unknown6.21	6.21	25.6	ng	1096050	1	6.90	854924	20.0
Benzene, 1,2,3-tr...	6.72	10.4	ng	446815	1	6.90	854924	20.0
1H-1,2,3-Triazole...	6.96	11.3	ng	483905	1	6.90	854924	20.0
unknown6.98	6.98	16.8	ng	716214	1	6.90	854924	20.0
unknown7.38	7.38	33.6	ng	1435270	1	6.90	854924	20.0
Naphthalene, 1,5-...	9.52	11.7	ng	900443	3	9.94	1538600	20.0
Naphthalene, 2,3-...	9.60	11.3	ng	868163	3	9.94	1538600	20.0
Dinaphtho[1,2-b:1...	15.29	13.7	ng	639704	6	15.51	932871	20.0
11H-Indeno[2,1-a]...	15.69	11.7	ng	543376	6	15.51	932871	20.0
Boroxin, ethyldip...	16.06	14.9	ng	693797	6	15.51	932871	20.0
Benzo[b]triphenylene	16.77	24.9	ng	1162500	6	15.51	932871	20.0
1,2:7,8-Dibenzoph...	17.12	10.0	ng	467478	6	15.51	932871	20.0
13H-Dibenzo[a,i]c...	17.52	11.5	ng	534853	6	15.51	932871	20.0
Dibenzo[def,mno]c...	17.61	11.8	ng	549126	6	15.51	932871	20.0