LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093780.D
Acq On : 20 Mar 2017 22:38
Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

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-BF032017.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	5.419	305	309	312	rBV2	468122	812887	4.33%	0.324%
2	6.665	416	418	421	rBV2	623092	787052	4.19%	0.313%
3	6.836	431	433	435	rVB	1670054	1426230	7.60%	0.568%
4	7.019	448	449	452	rVB	1300390	1013561	5.40%	0.404%
5	7.099	453	456	458	rBV	3036893	2616103	13.94%	1.042%
6	7.876	521	524	525	rBV2	872503	982684	5.24%	0.391%
7	7.910	525	527	533	rVB	735945	1002176	5.34%	0.399%
8	8.162	543	549	551	rVV2	8115891	18766074	100.00%	7.474%
9	8.196	551	552	555	rVV	1653502	1442799	7.69%	0.575%
10	8.790	600	604	605	rVB2	468115	630502	3.36%	0.251%
11	8.848	605	609	610	rVB	6752787	8888855	47.37%	3.540%
12	8.882	610	612	614	rBV	501445	649912	3.46%	0.259%
13	8.939	614	617	619	rVB	5711033	6014133	32.05%	2.395%
14	9.293	646	648	651	rVB	2173372	2604098	13.88%	1.037%
15	9.396	651	657	660	rBV3	1353736	2377882	12.67%	0.947%
16	9.465	660	663	665	rBV	2851084	4127112	21.99%	1.644%
17	9.499	665	666	667	rVB	1002512	687723	3.66%	0.274%
18	9.533	667	669	671	rBV	2959625	4869801	25.95%	1.940%
19	9.602	673	675	677	rVB	1759734	1745640	9.30%	0.695%
20	9.659	677	680	683	rBV	1344463	2428455	12.94%	0.967%
21	9.739	684	687	689	rVB	5762505	5518078	29.40%	2.198%
22	9.876	696	699	700	rBV2	1890102	2863663	15.26%	1.141%
23	9.911	700	702	704	rBV	2726033	3074529	16.38%	1.224%
24	9.979	706	708	710	rBV	975280	1442310	7.69%	0.574%
25	10.082	713	717	718	rBV	3175392	3811662	20.31%	1.518%
26	10.116	718	720	722	rBV	1481878	1203466	6.41%	0.479%
27	10.185	724	726	728	rBV2	1183719	2027915	10.81%	0.808%
28	10.219	728	729	731	rVB	1096438	816261	4.35%	0.325%
29	10.288	732	735	737	rBV3	1192491	1828545	9.74%	0.728%
30	10.322	737	738	740	rVB	1637265	1364549	7.27%	0.543%
31	10.391	740	744	745	rBV2	1127562	1801369	9.60%	0.717%
32	10.425	745	747	750	rVB	4958938	5973608	31.83%	2.379%
33	10.482	750	752	753	rBV	681234	903600	4.82%	0.360%
34	10.528	755	756	759	rVB2	1024054	1309946	6.98%	0.522%

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Misc :
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Instrument : BNA_F
ClientSampleId : HP-CT-00

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.574	759	760	764	rVB2	850927	1654938	8.82%	0.659%
36	10.642	764	766	770	rVB2	2059225	3069693	16.36%	1.223%
37	10.756	774	776	777	rBV2	454308	616094	3.28%	0.245%
38	10.791	777	779	784	rVB	1435887	2012853	10.73%	0.802%
39	10.859	784	785	788	rBV2	461549	829921	4.42%	0.331%
40	10.962	792	794	796	rVV	1399020	2331119	12.42%	0.928%
41	10.996	796	797	799	rVV	1456313	1403529	7.48%	0.559%
42	11.054	800	802	803	rVV	1225870	1183918	6.31%	0.472%
43	11.122	806	808	811	rVV3	529558	965457	5.14%	0.385%
44	11.168	811	812	814	rVB2	759720	618680	3.30%	0.246%
45	11.214	814	816	817	rBV	945118	720399	3.84%	0.287%
46	11.259	817	820	824	rVB	3239436	6032386	32.15%	2.403%
47	11.396	826	832	834	rBV2	6346395	13001088	69.28%	5.178%
48	11.442	834	836	837	rVB	4544101	4440367	23.66%	1.768%
49	11.465	837	838	840	rBV	830191	1083660	5.77%	0.432%
50	11.511	840	842	845	rVV2	789752	1128494	6.01%	0.449%
51	11.579	847	848	850	rVV	1202582	1232972	6.57%	0.491%
52	11.694	853	858	859	rVV3	1828346	4281563	22.82%	1.705%
53	11.774	863	865	867	rVB	2022205	2255408	12.02%	0.898%
54	11.865	870	873	874	rVV	3249860	4111845	21.91%	1.638%
55	11.888	874	875	877	rVB	3461354	3483899	18.56%	1.388%
56	11.934	877	879	881	rBV	1587891	2068915	11.02%	0.824%
57	11.979	881	883	887	rVV2	3355748	6568305	35.00%	2.616%
58	12.071	888	891	895	rVB3	1269980	2949308	15.72%	1.175%
59	12.151	895	898	899	rBV	1920742	2367773	12.62%	0.943%
60	12.185	899	901	904	rVB2	985397	1436056	7.65%	0.572%
61	12.254	904	907	908	rBV3	660678	1262999	6.73%	0.503%
62	12.299	908	911	913	rVV3	875177	1825684	9.73%	0.727%
63	12.357	913	916	918	rVB3	1513099	2598890	13.85%	1.035%
64	12.414	918	921	922	rBV	2552156	3465595	18.47%	1.380%
65	12.459	922	925	927	rVB3	1772099	3828155	20.40%	1.525%
66	12.505	927	929	930	rBV2	767467	1102826	5.88%	0.439%
67	12.574	933	935	937	rBV	4545279	5271982	28.09%	2.100%
68	12.619	937	939	941	rVV2	544912	636168	3.39%	0.253%
69	12.665	941	943	945	rVB	1736267	1755051	9.35%	0.699%
70	12.734	945	949	952	rVB3	670742	1601227	8.53%	0.638%
71	12.802	952	955	959	rBV	4680089	9404749	50.12%	3.746%

LSC Area Percent Report

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Integrator: RTE
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.859	959	960	961	rVB	870147	596921	3.18%	0.238%
73	12.917	962	965	966	rBV	369886	619572	3.30%	0.247%
74	13.008	971	973	977	rVV3	1061938	2568302	13.69%	1.023%
75	13.122	979	983	985	rVV	2128172	3686528	19.64%	1.468%
76	13.191	985	989	990	rVV3	2180613	3408215	18.16%	1.357%
77	13.225	990	992	996	rVV2	1587130	2613128	13.92%	1.041%
78	13.294	996	998	999	rVV	825692	1368294	7.29%	0.545%
79	13.317	999	1000	1001	rVV	1353584	1159328	6.18%	0.462%
80	13.351	1001	1003	1005	rVV	1314583	1657764	8.83%	0.660%
81	13.522	1016	1018	1021	rBV3	832797	1245047	6.63%	0.496%
82	13.602	1023	1025	1027	rBV	349466	628997	3.35%	0.251%
83	13.740	1034	1037	1040	rBV3	1289340	2444339	13.03%	0.974%
84	13.854	1045	1047	1049	rVB3	602669	756693	4.03%	0.301%
85	13.980	1055	1058	1060	rBV2	3323005	5346241	28.49%	2.129%
86	14.014	1060	1061	1065	rVB	2450205	2258240	12.03%	0.899%
87	14.368	1090	1092	1094	rVB	919809	1119377	5.96%	0.446%
88	14.471	1099	1101	1102	rVB2	563542	734060	3.91%	0.292%
89	14.562	1107	1109	1111	rVB3	464489	615024	3.28%	0.245%
90	15.008	1144	1148	1153	rBV2	1432704	3592517	19.14%	1.431%
91	15.100	1153	1156	1159	rVB2	738721	1133805	6.04%	0.452%
92	15.283	1170	1172	1175	rVB	1266825	1572678	8.38%	0.626%
93	15.351	1175	1178	1180	rVV	1657033	2693898	14.36%	1.073%
94	15.397	1180	1182	1183	rVV	722151	863356	4.60%	0.344%
95	15.431	1183	1185	1188	rVB2	580621	1107651	5.90%	0.441%
96	15.854	1219	1222	1224	rVV	362856	686670	3.66%	0.273%
97	16.768	1298	1302	1306	rVB2	703769	1446655	7.71%	0.576%
98	17.180	1334	1338	1346	rVB	655671	1338636	7.13%	0.533%
99	17.397	1353	1357	1363	rVB	314921	808073	4.31%	0.322%
100	19.249	1515	1519	1528	rVB2	149795	599390	3.19%	0.239%

Sum of corrected areas: 251084545

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093780.D
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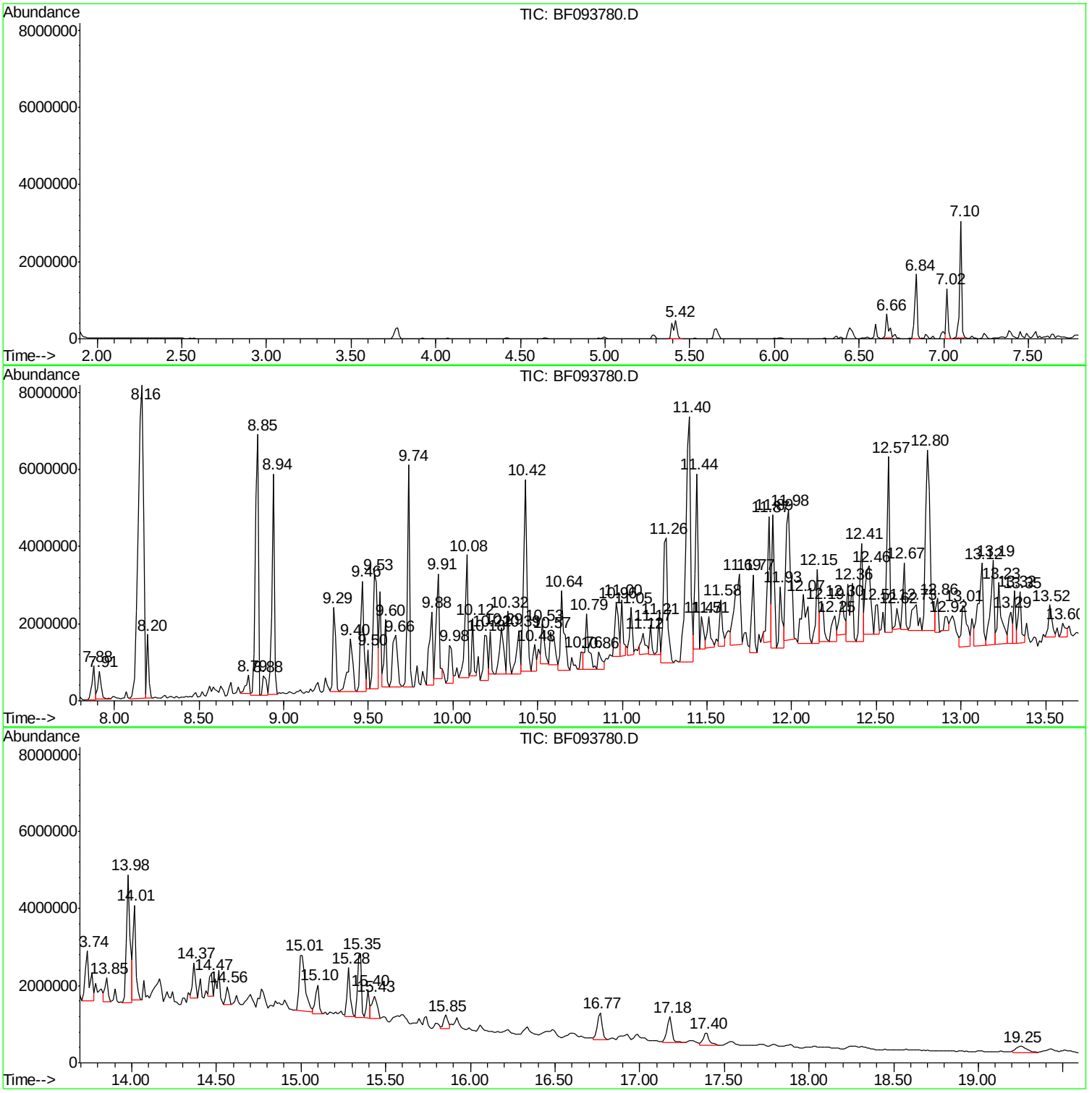
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

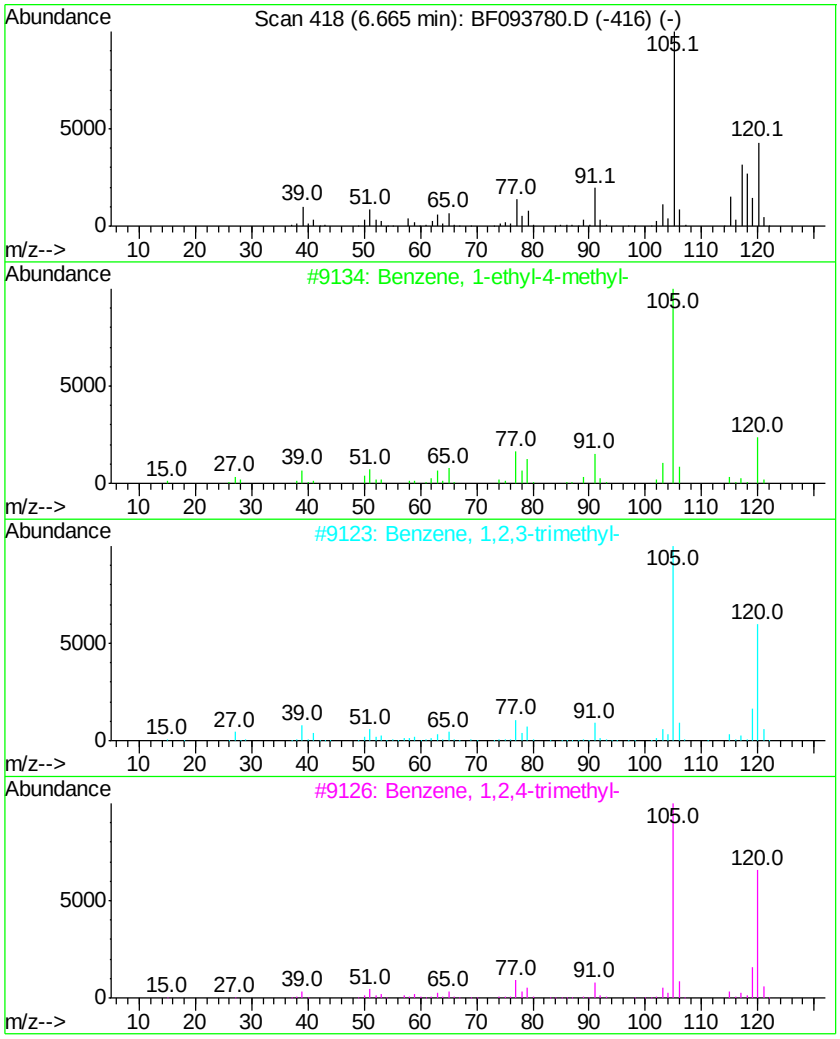
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

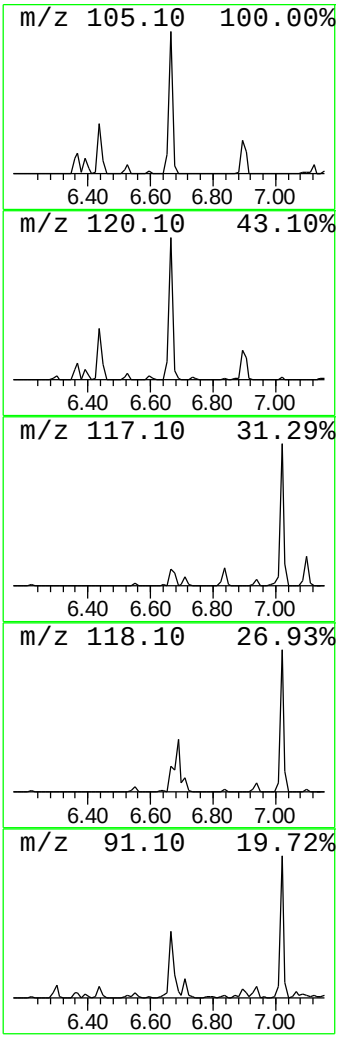
****

Peak Number 1 Benzene, 1-ethyl-4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	11.04 ng	787052	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	60
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	60
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
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Sample : I2318-01 20X
Misc :
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Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

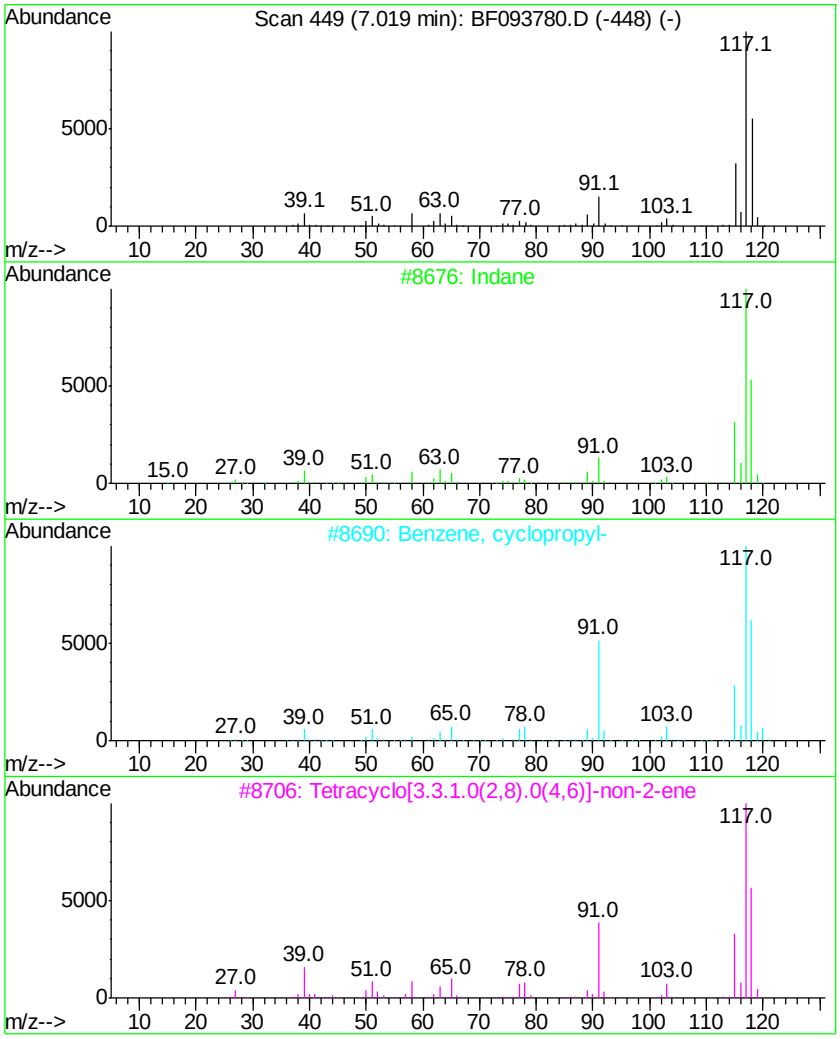
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

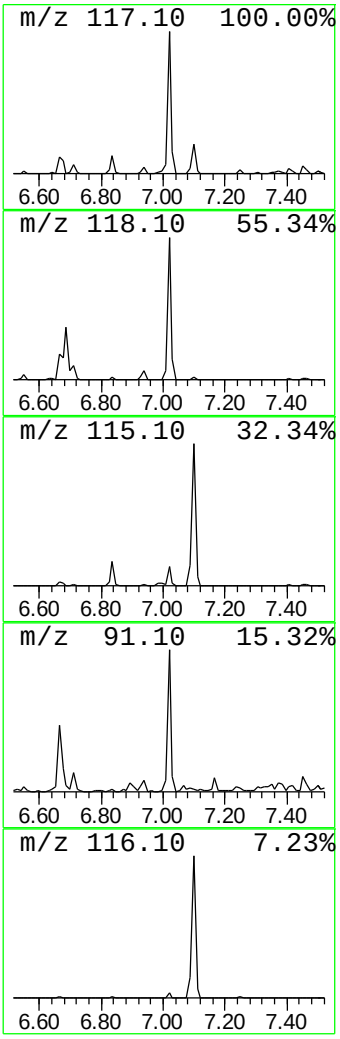
****

Peak Number 2 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	14.21 ng	1013560	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Deltacyclene	118	C9H10	007785-10-6	72





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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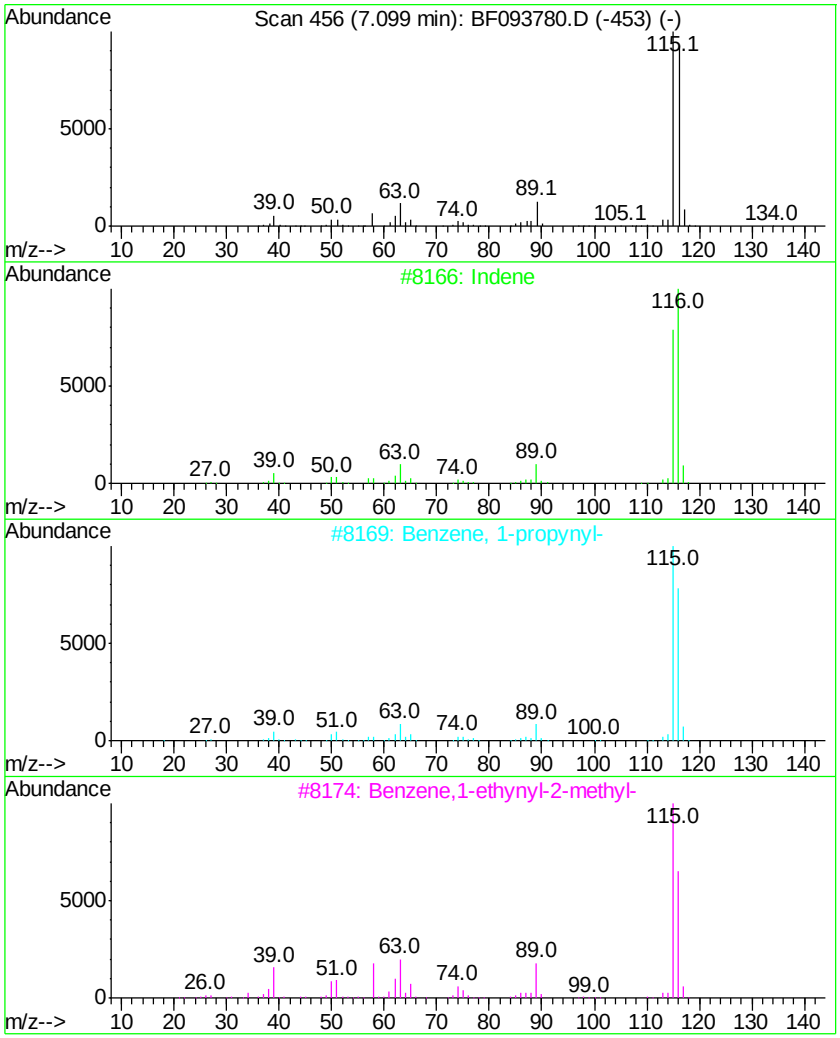
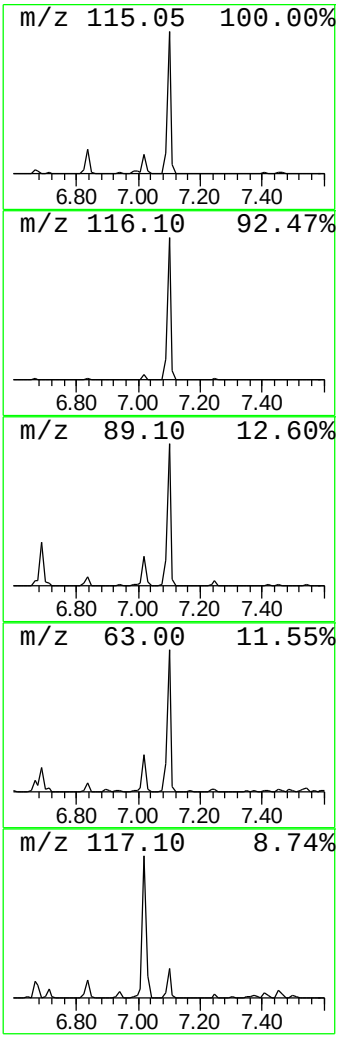
Peak Number 3 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	36.69 ng	2616100	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Library Search Compound Report

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

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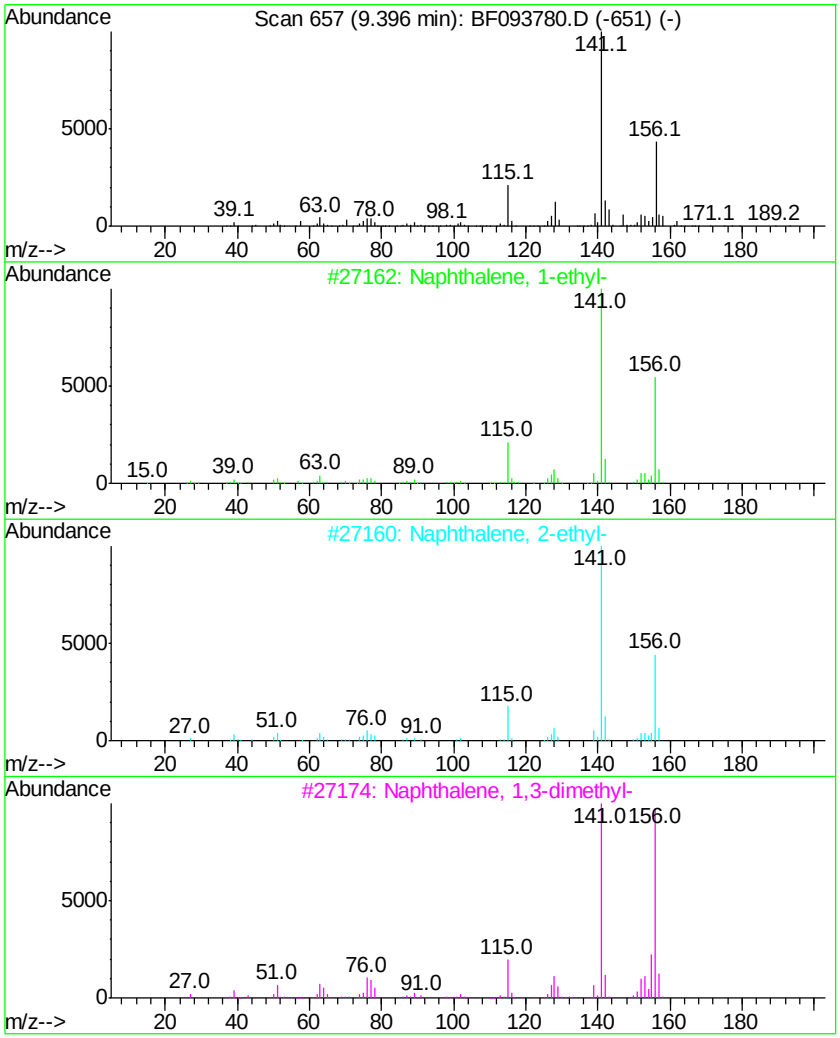
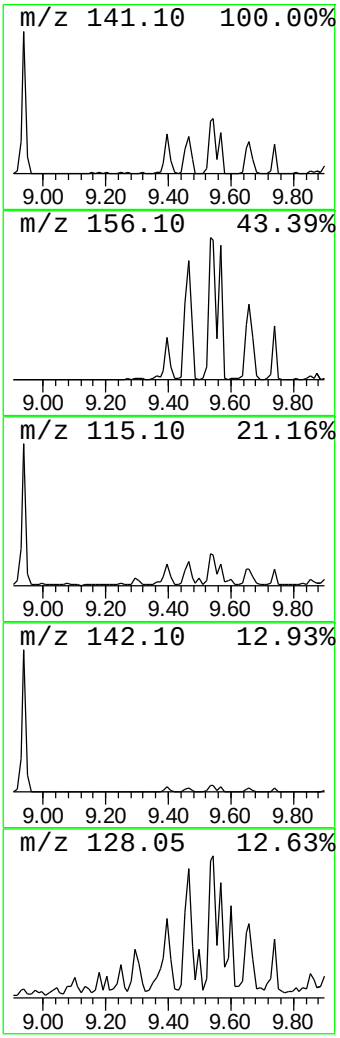
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	16.61 ng	2377880	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	62
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	38





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Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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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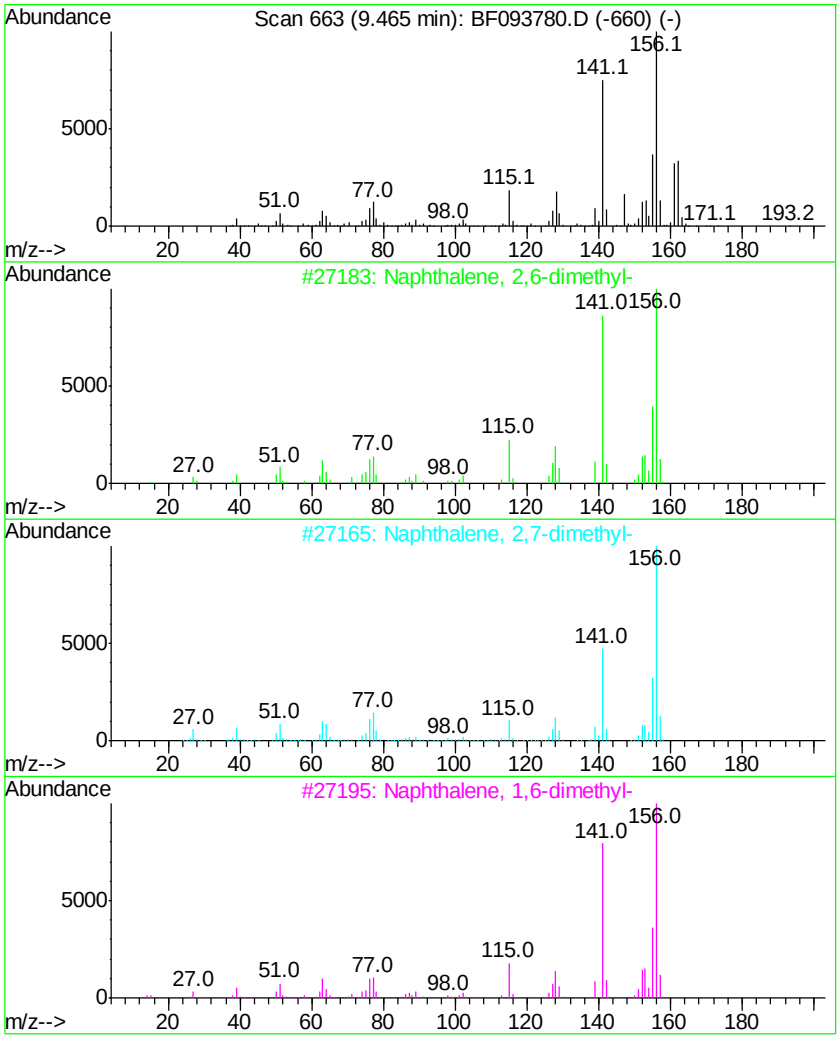
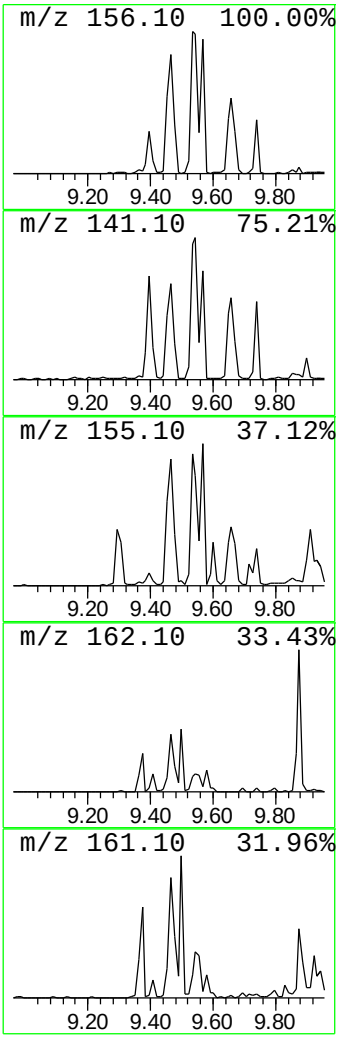
Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	28.82 ng	4127110	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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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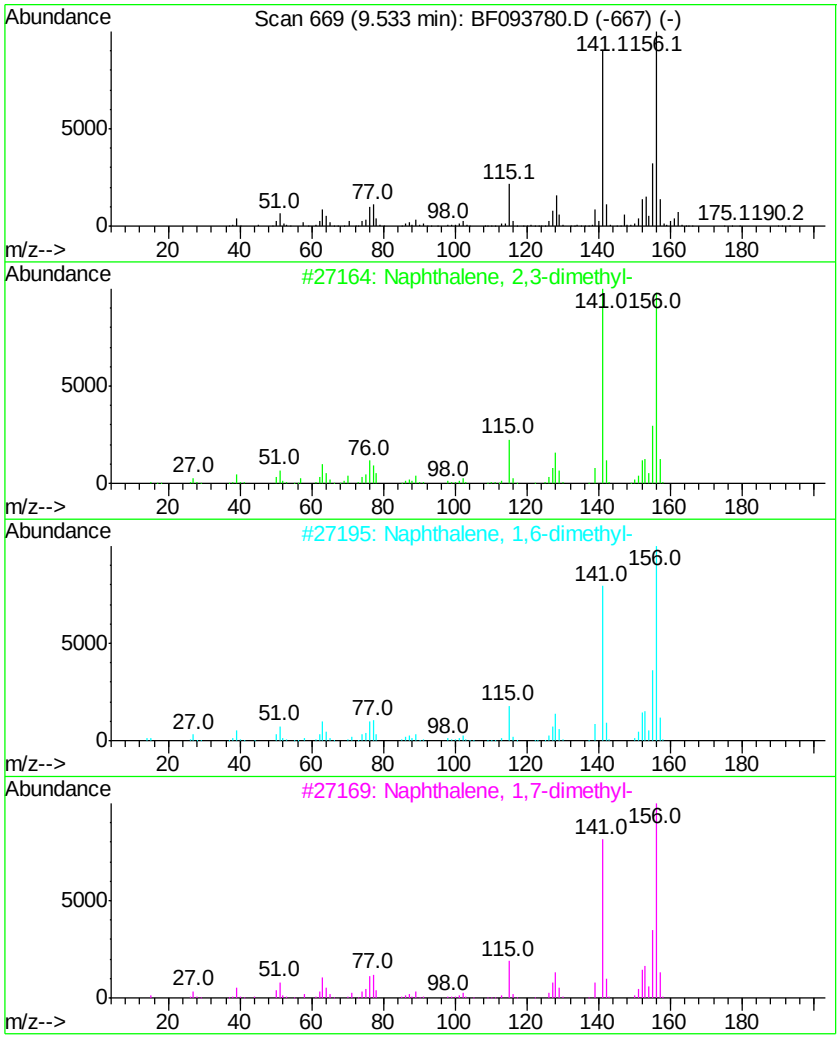
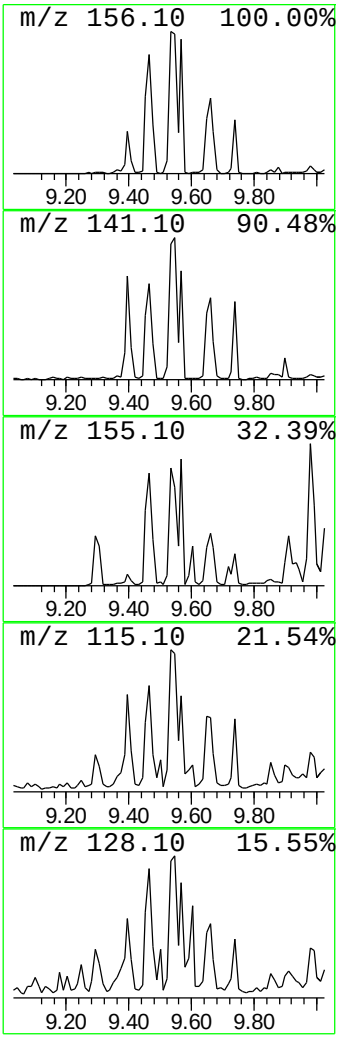
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	34.01 ng	4869800	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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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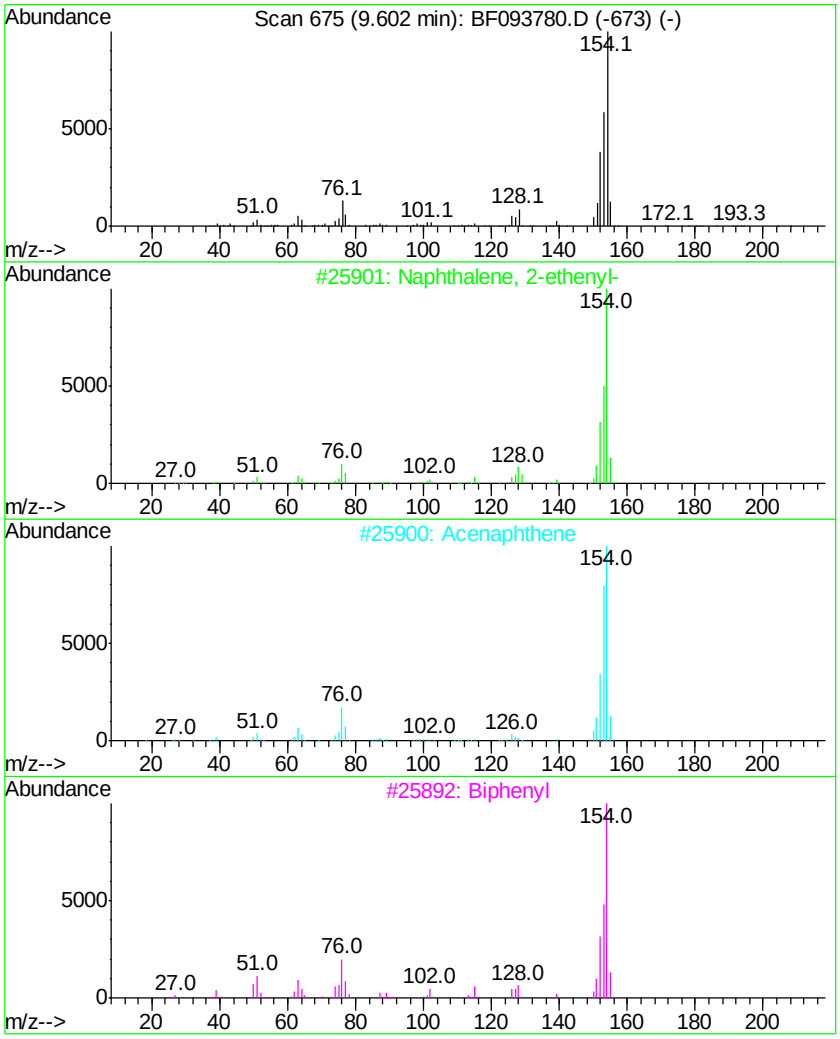
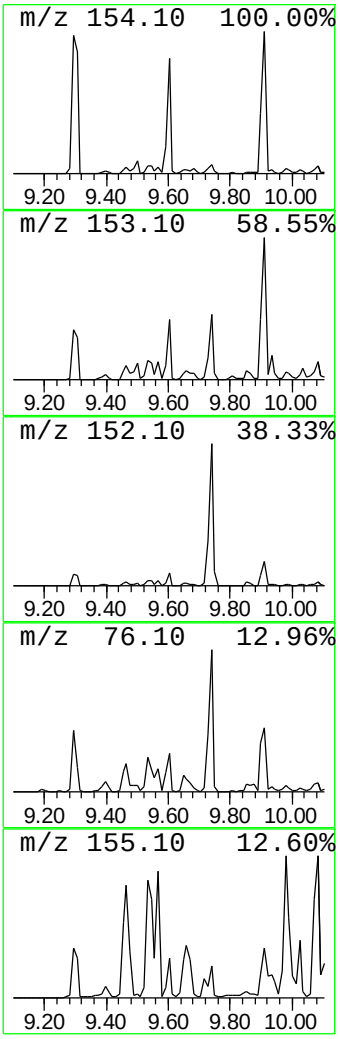
Peak Number 7 Naphthalene, 2-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	12.19 ng	1745640	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Acenaphthene	154	C12H10	000083-32-9	93
3	Biphenyl	154	C12H10	000092-52-4	81
4	1-Isoquinolinecarbonitrile	154	C10H6N2	001198-30-7	43
5	3-Quinolinecarbonitrile	154	C10H6N2	034846-64-5	38





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Misc :
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Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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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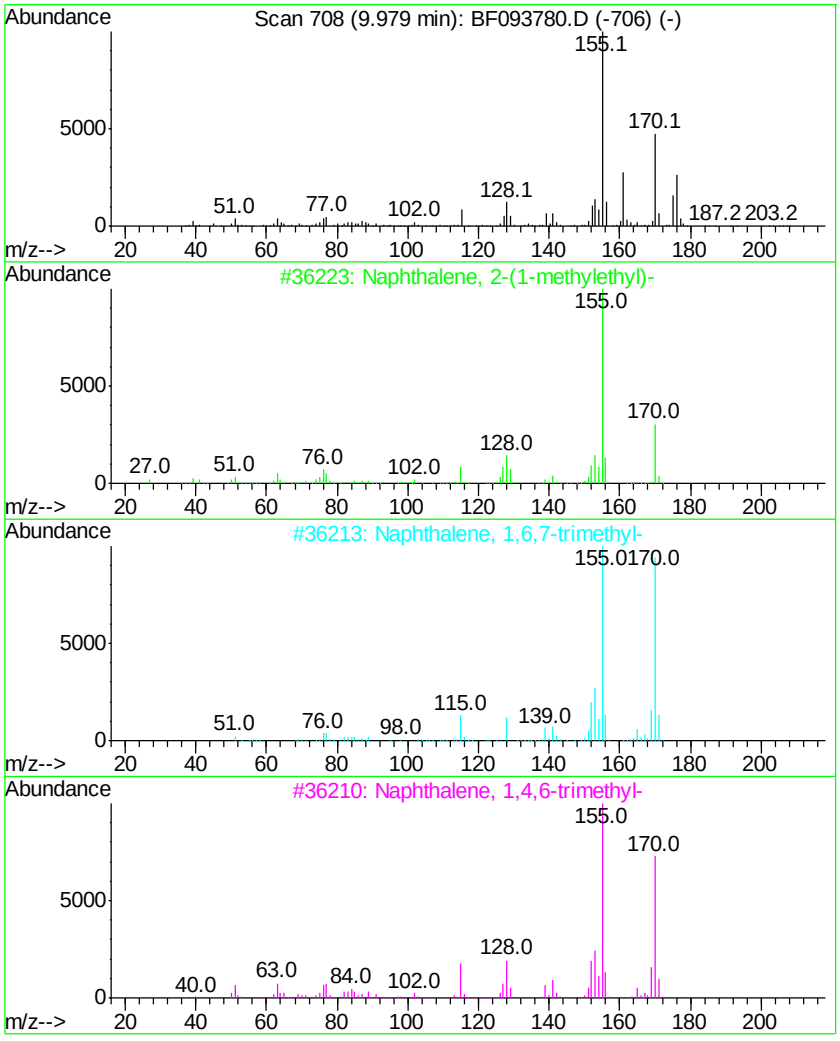
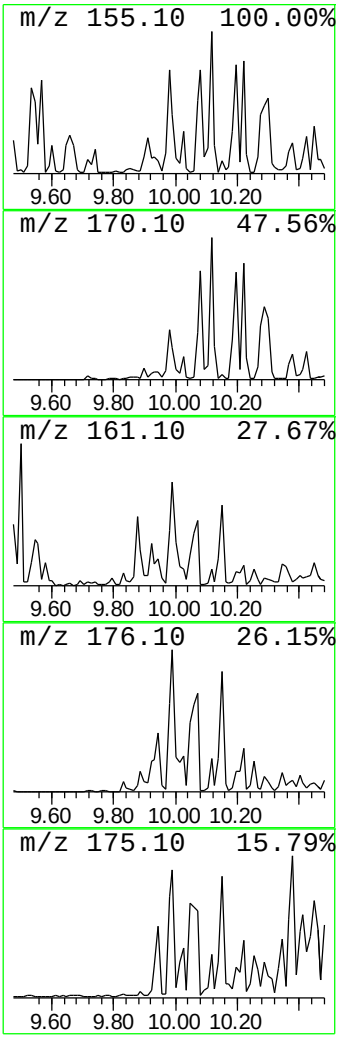
Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	10.07 ng	1442310	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	76
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	52
5	1'-Acetonaphthone	170	C12H10O	000941-98-0	52





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : HP-CT-00

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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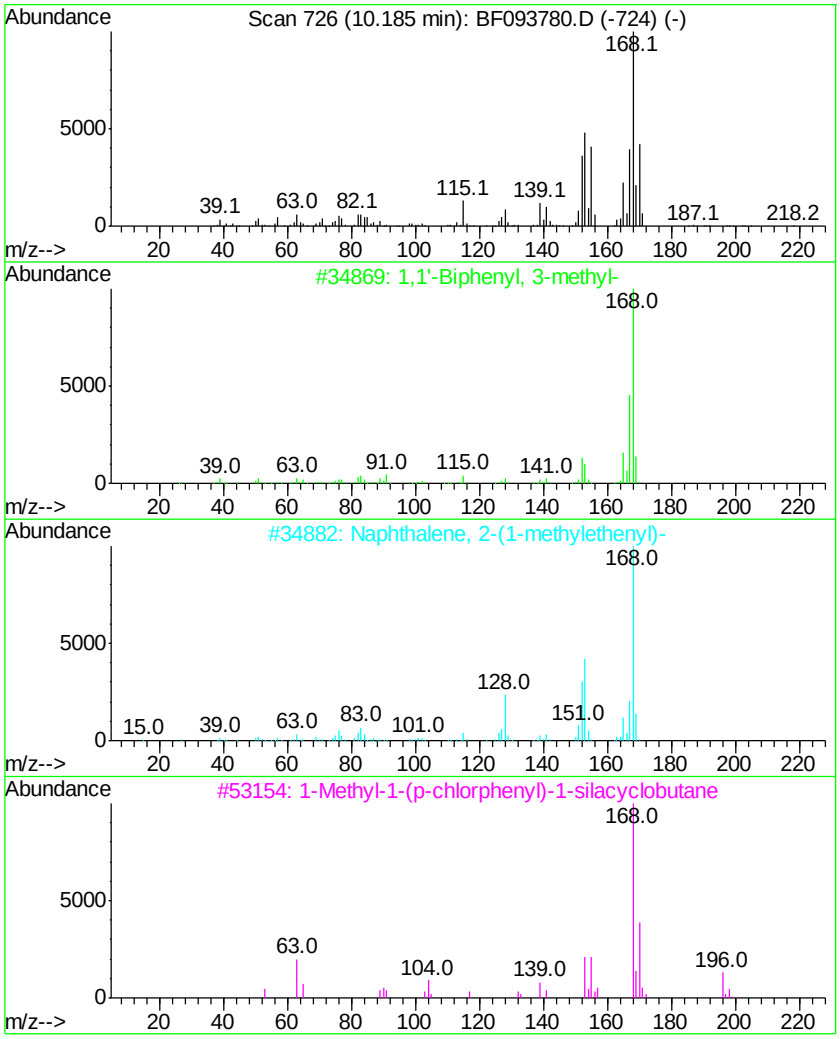
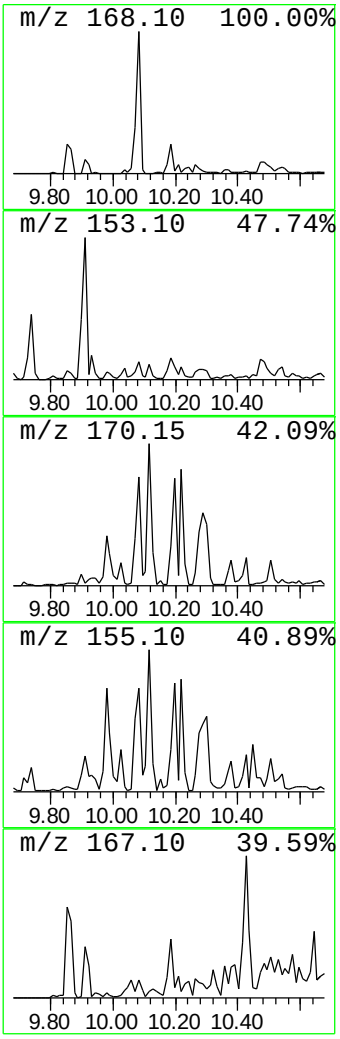
Peak Number 10 1,1'-Biphenyl, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	14.16 ng	2027920	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	49
3	1-Methyl-1-(p-chlorphenyl)-1-sil...	196	C10H13ClSi	057465-49-3	37
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	35
5	Benzo[b]thiophene, 3-chloro-	168	C8H5ClS	007342-86-1	27





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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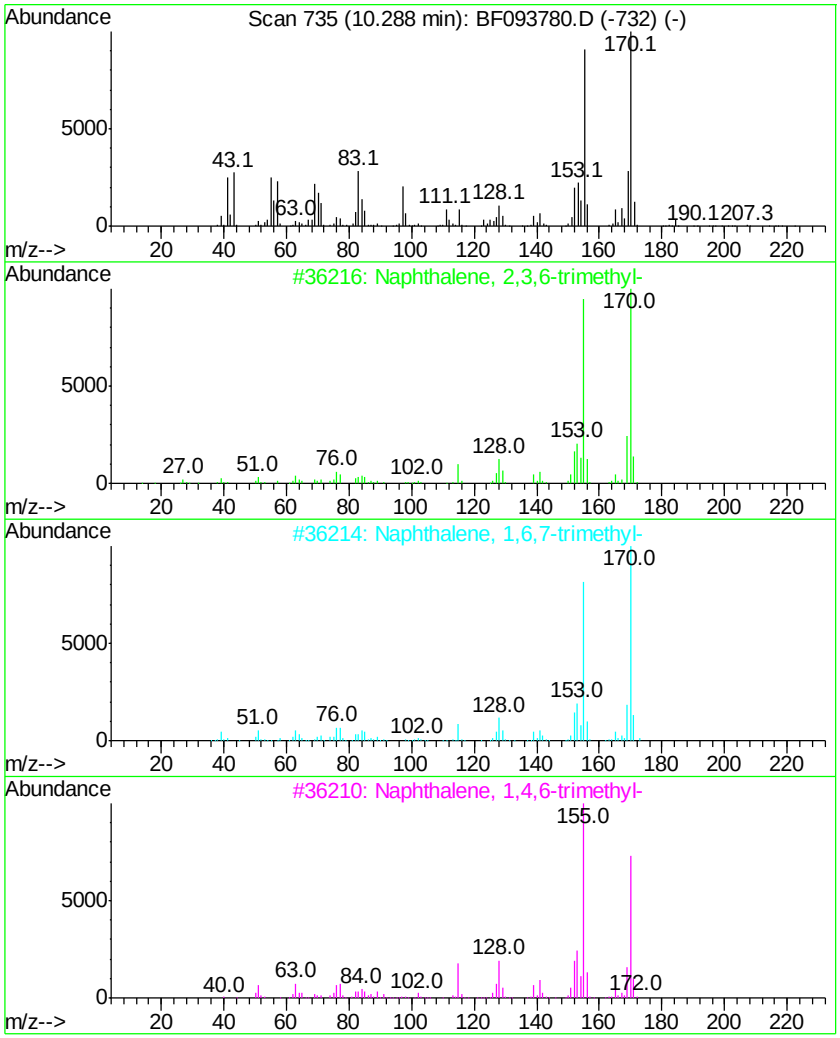
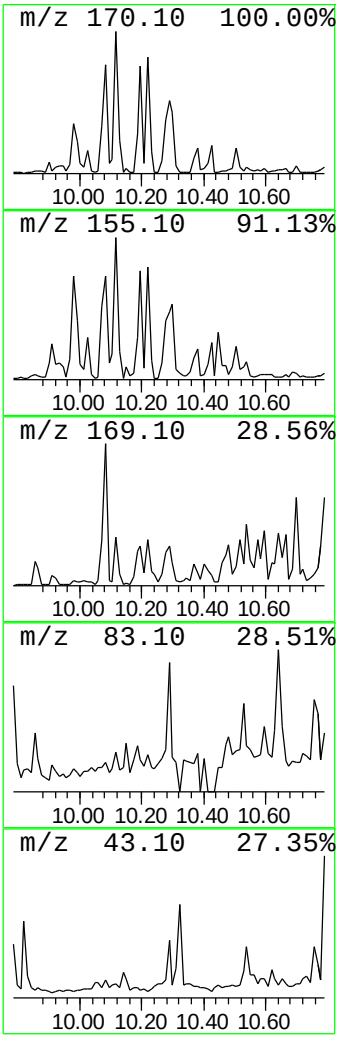
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	12.77 ng	1828550	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	81





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ALS Vial : 15 Sample Multiplier: 1

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

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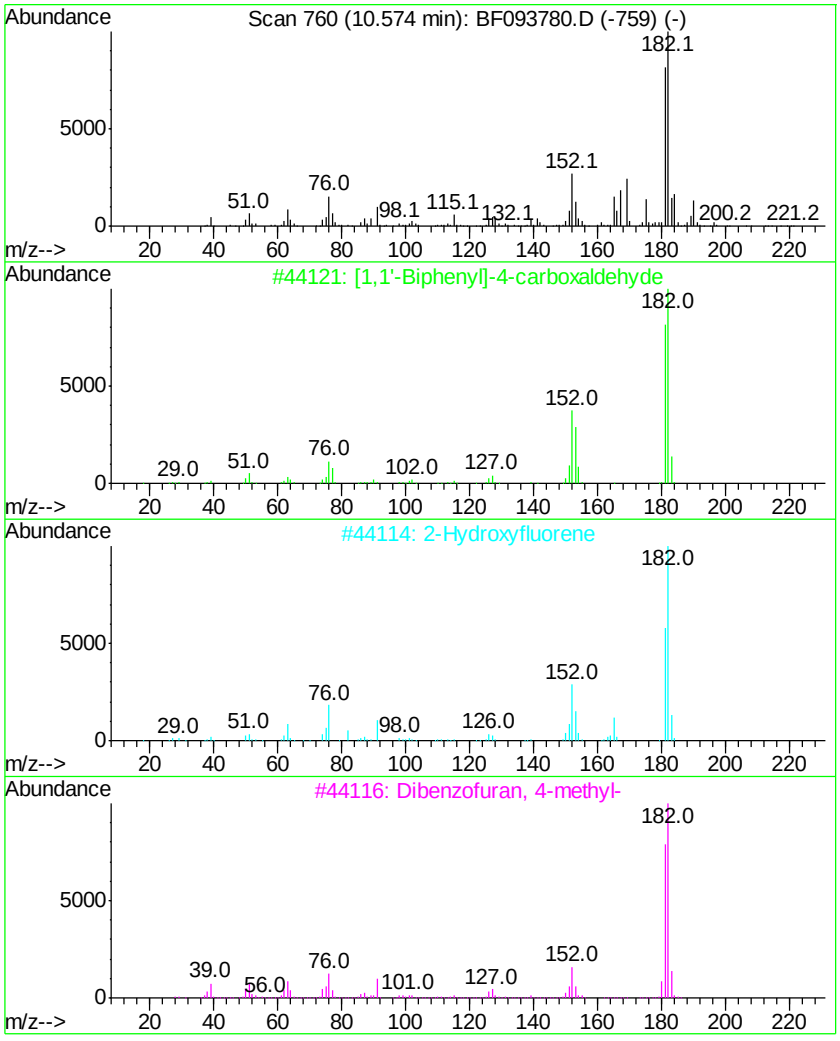
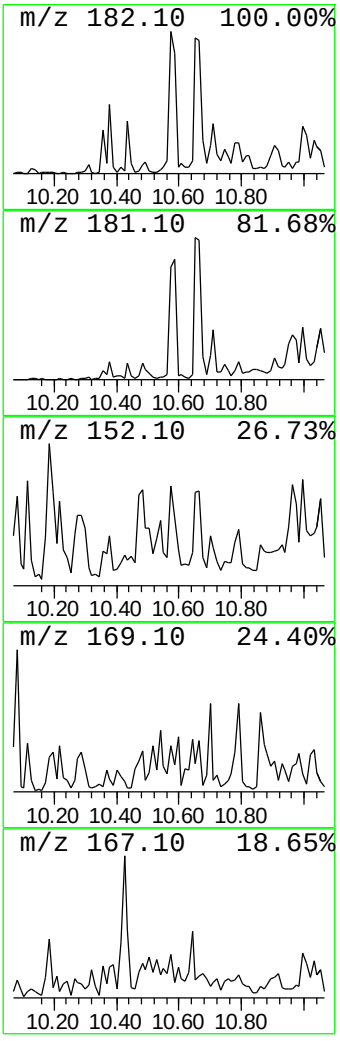
Peak Number 12 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	11.56 ng	1654940	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	45





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Instrument : BNA_F
ClientSampleId : HP-CT-00

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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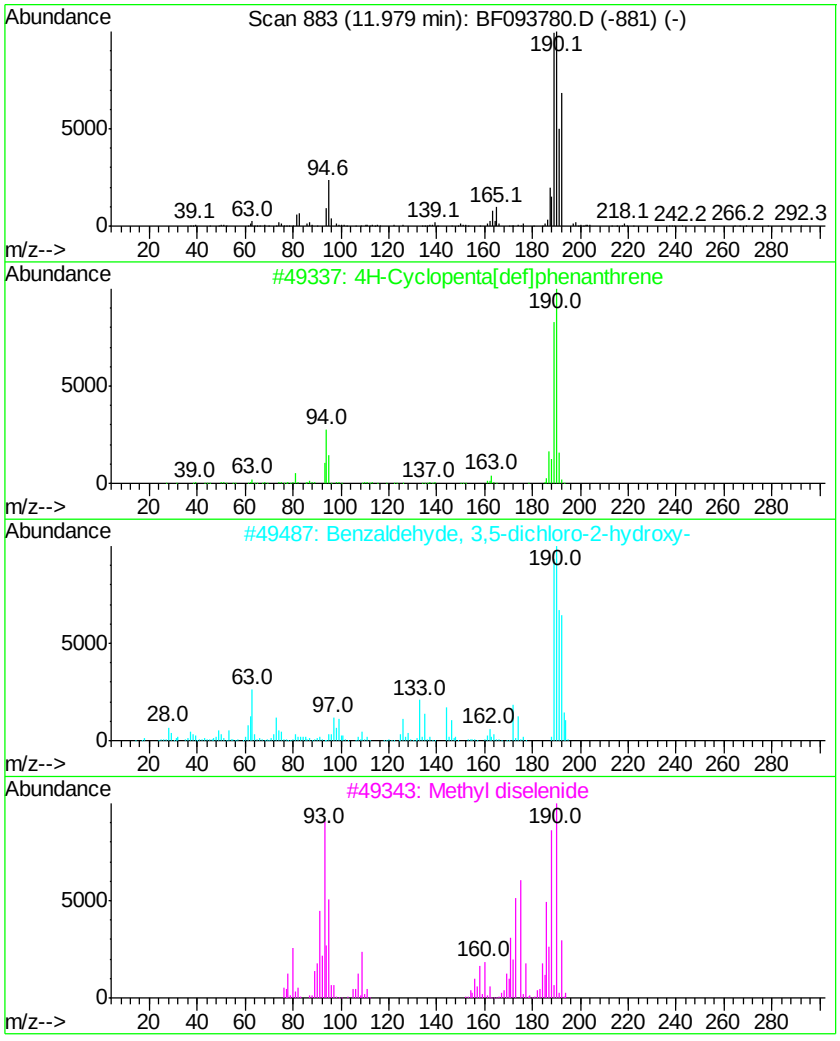
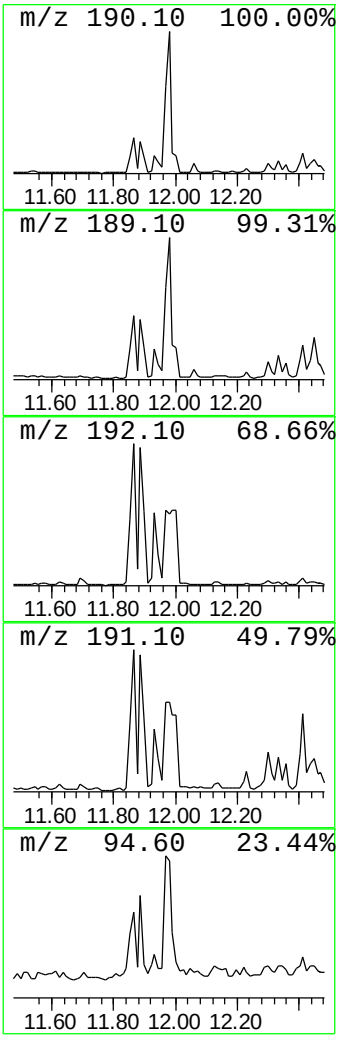
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	10.10 ng	6568310	Phenanthrene-d10	11.36

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	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : HP-CT-00

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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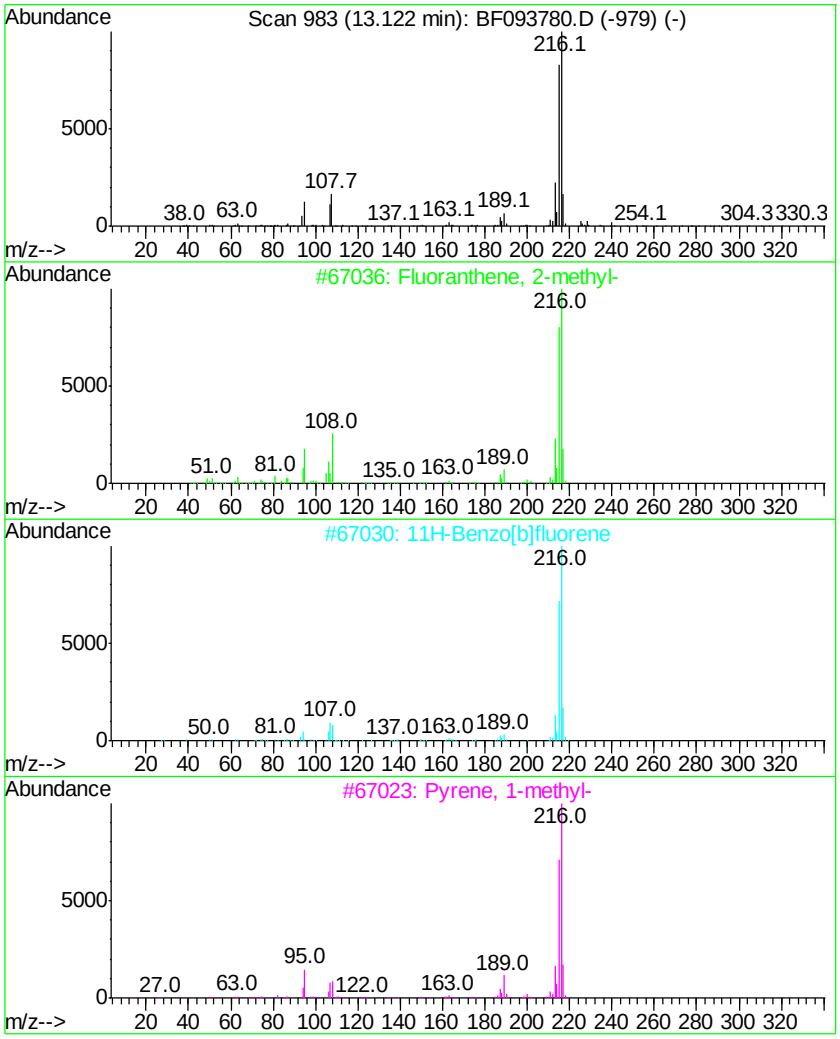
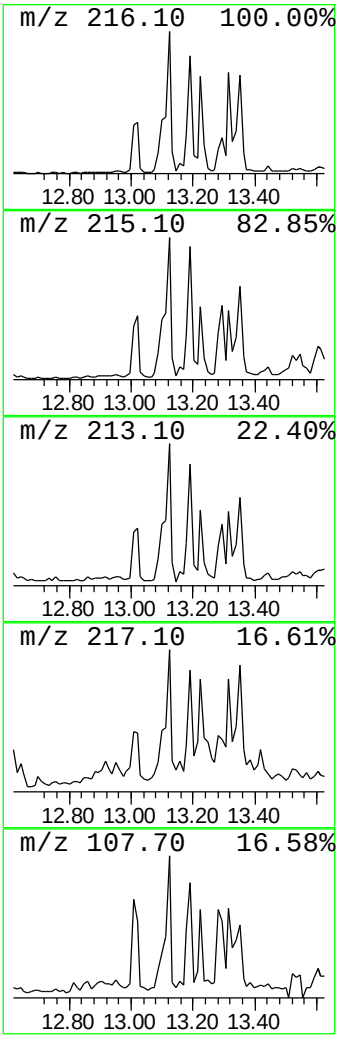
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	13.79 ng	3686530	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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

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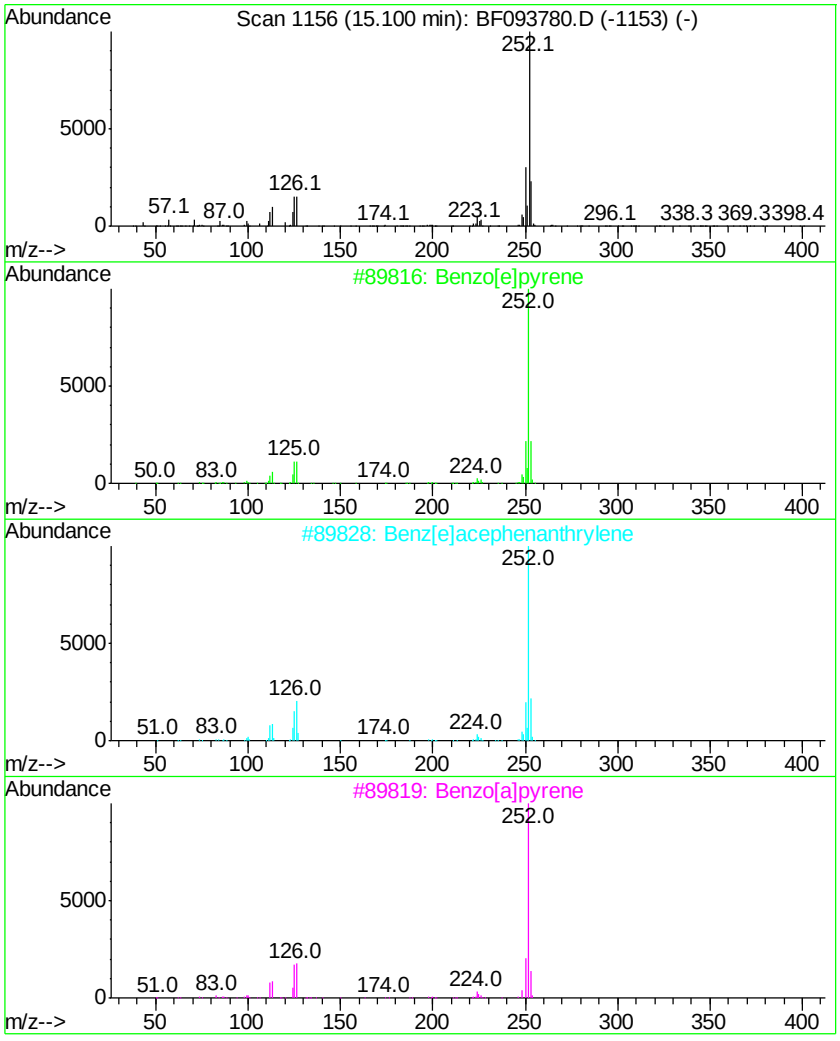
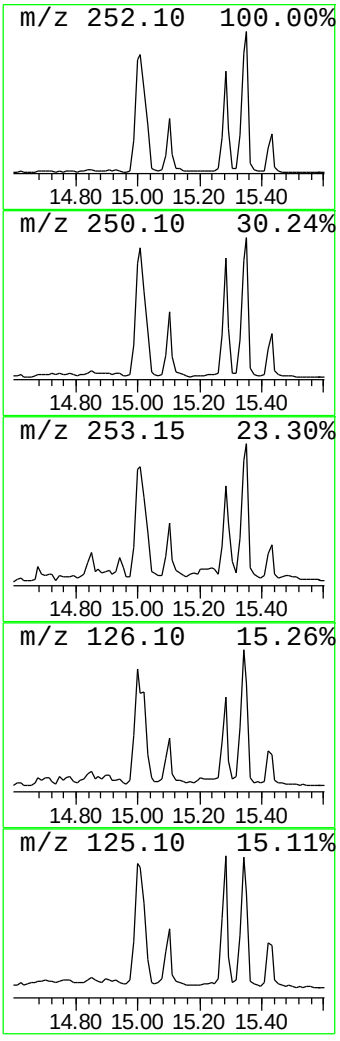
Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	26.27 ng	1133810	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	92
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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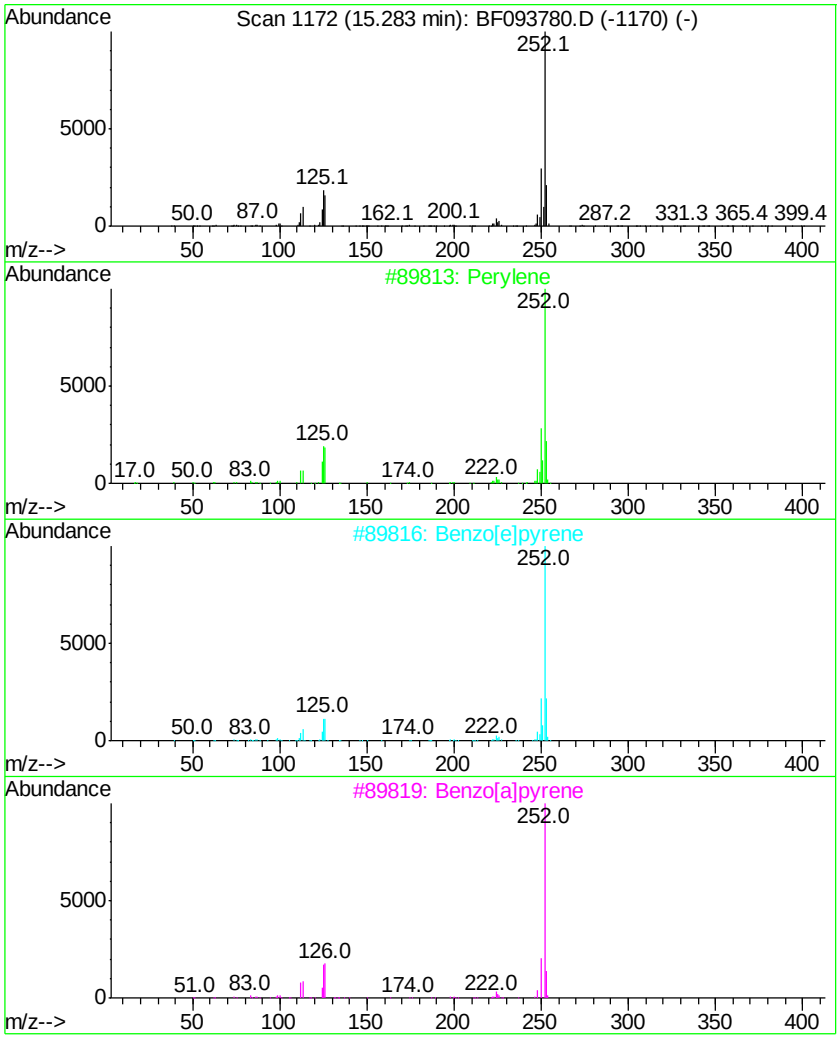
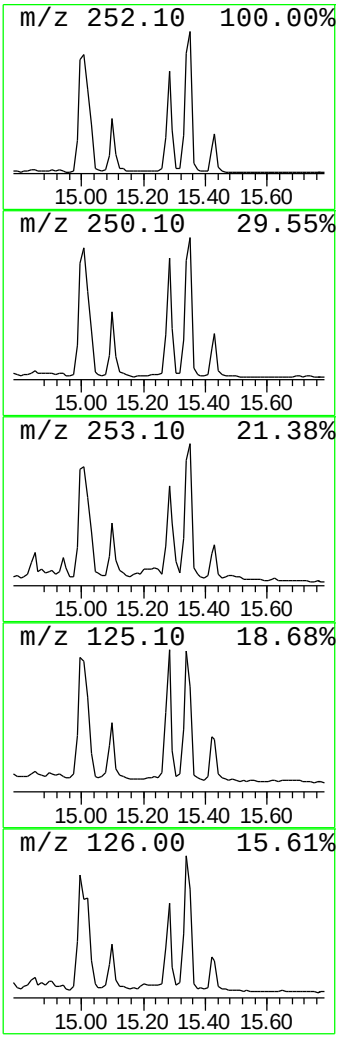
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	36.43 ng	1572680	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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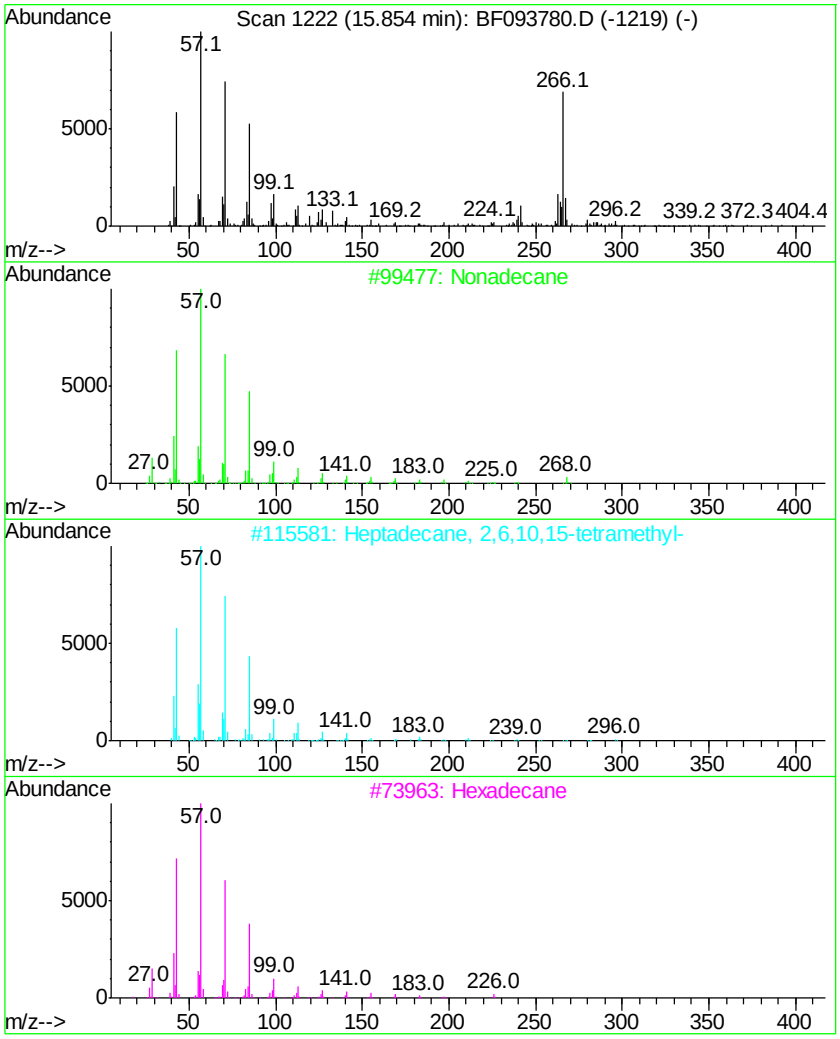
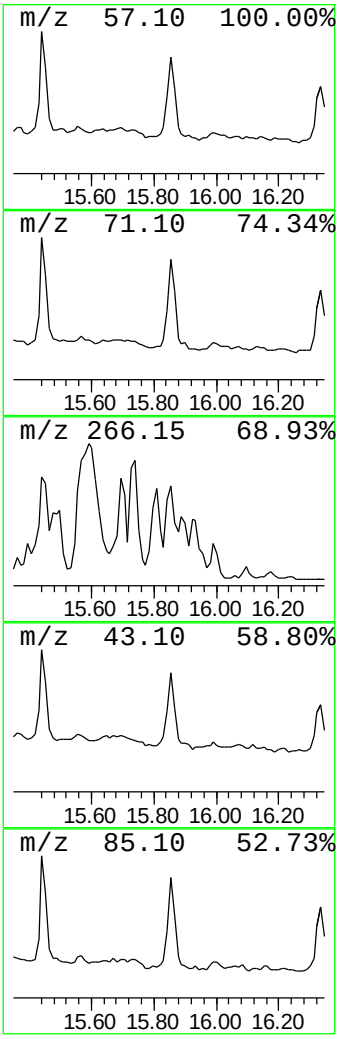
Peak Number 18 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	15.91 ng	686670	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Hexadecane	226	C16H34	000544-76-3	86
4	Heptadecane	240	C17H36	000629-78-7	78
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	70





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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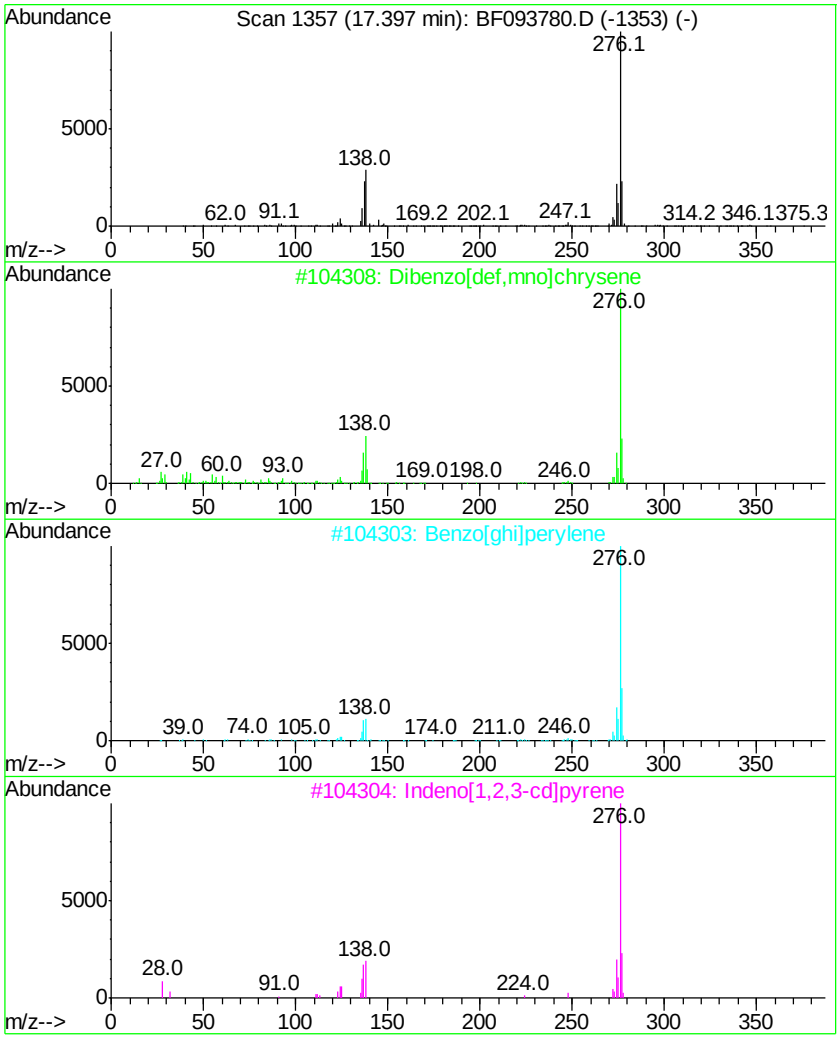
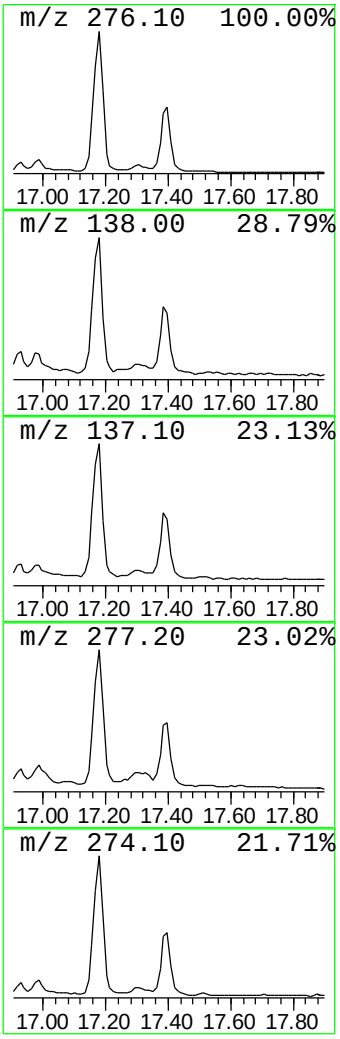
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	18.72 ng	808073	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	36
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093780.D
Acq On : 20 Mar 2017 22:38
Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

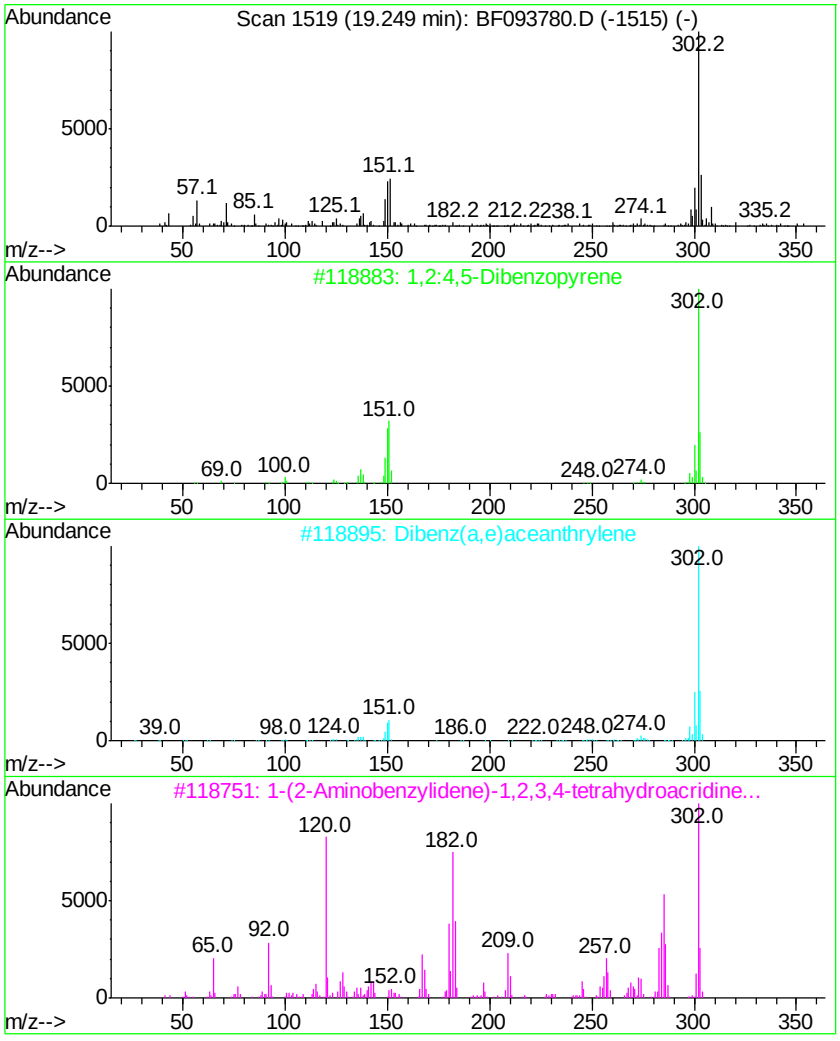
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

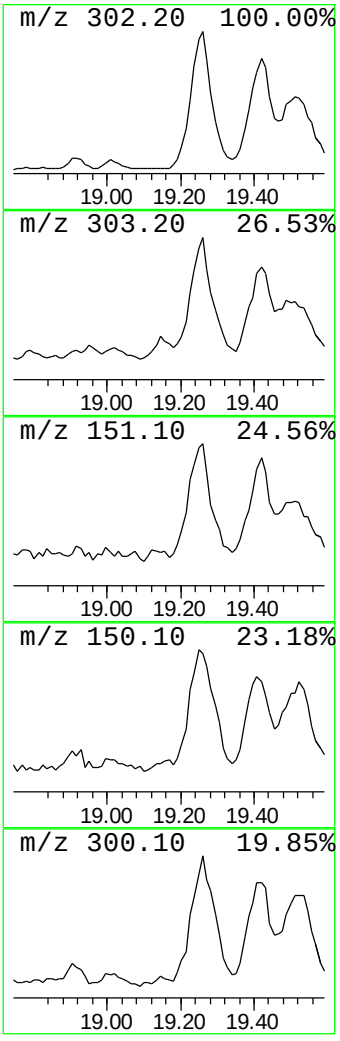
****

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	13.89 ng	599390	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3	1-(2-Aminobenzylidene)-1,2,3,4-t...	302	C20H18N2O	1000110-40-2	86
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	86
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032017\
Data File : BF093780.D
Acq On : 20 Mar 2017 22:38
Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.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
Benzene, 1-ethyl-...	6.66	11.0	ng	787052	1	6.84	1426230	20.0
Indane	7.02	14.2	ng	1013560	1	6.84	1426230	20.0
Indene	7.10	36.7	ng	2616100	1	6.84	1426230	20.0
Naphthalene, 1-et...	9.40	16.6	ng	2377880	3	9.88	2863660	20.0
Naphthalene, 2,6-...	9.46	28.8	ng	4127110	3	9.88	2863660	20.0
Naphthalene, 2,3-...	9.53	34.0	ng	4869800	3	9.88	2863660	20.0
Naphthalene, 2-et...	9.60	12.2	ng	1745640	3	9.88	2863660	20.0
Naphthalene, 2-(1...	9.98	10.1	ng	1442310	3	9.88	2863660	20.0
1,1'-Biphenyl, 3-...	10.18	14.2	ng	2027920	3	9.88	2863660	20.0
Naphthalene, 2,3,...	10.29	12.8	ng	1828550	3	9.88	2863660	20.0
[1,1'-Biphenyl]-4...	10.57	11.6	ng	1654940	3	9.88	2863660	20.0
4H-Cyclopenta[def...	11.98	10.1	ng	6568310	4	11.36	13001100	20.0
Fluoranthene, 2-m...	13.12	13.8	ng	3686530	5	13.99	5346240	20.0
Benzo[e]pyrene	15.10	26.3	ng	1133810	6	15.40	863356	20.0
Perylene	15.28	36.4	ng	1572680	6	15.40	863356	20.0
Nonadecane	15.85	15.9	ng	686670	6	15.40	863356	20.0
Dibenzo[def,mno]c...	17.40	18.7	ng	808073	6	15.40	863356	20.0
1,2:4,5-Dibenzopy...	19.25	13.9	ng	599390	6	15.40	863356	20.0