LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090273.D
Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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	1.656	4	6	46	rVB	840784	2482309	26.75%	2.011%
2	4.559	257	260	270	rBV	279474	448131	4.83%	0.363%
3	5.039	299	302	304	rBV	1963740	2220430	23.93%	1.799%
4	6.136	395	398	400	rBV	2212486	2390152	25.76%	1.937%
5	6.239	405	407	410	rBV	2200529	2134754	23.00%	1.730%
6	6.479	426	428	430	rBV	609192	725504	7.82%	0.588%
7	6.627	439	441	444	rBV	1687515	1717447	18.51%	1.392%
8	7.050	475	478	480	rBV	1403852	1504943	16.22%	1.219%
9	7.759	538	540	545	rBV2	858220	1592534	17.16%	1.290%
10	8.468	600	602	604	rBV	396410	441816	4.76%	0.358%
11	8.570	609	611	613	rVB	650367	563551	6.07%	0.457%
12	8.845	632	635	637	rBV	2188326	2489210	26.82%	2.017%
13	8.936	641	643	645	rVV	320418	268763	2.90%	0.218%
14	9.028	648	651	654	rVB	174671	225558	2.43%	0.183%
15	9.096	654	657	659	rBV	359828	469774	5.06%	0.381%
16	9.165	661	663	665	rBV	536205	725561	7.82%	0.588%
17	9.245	668	670	671	rVV	671791	656027	7.07%	0.532%
18	9.279	671	673	676	rVV2	291782	457144	4.93%	0.370%
19	9.359	678	680	683	rBV	368755	413170	4.45%	0.335%
20	9.496	690	692	694	rBV	889602	1223327	13.18%	0.991%
21	9.542	694	696	698	rVV	1659565	2243585	24.18%	1.818%
22	9.656	704	706	708	rVB	235817	222871	2.40%	0.181%
23	9.702	708	710	713	rBV	1167466	1609277	17.34%	1.304%
24	9.828	718	721	722	rBV	161362	246472	2.66%	0.200%
25	9.908	726	728	731	rBV2	201013	400176	4.31%	0.324%
26	10.045	738	740	743	rBV	2387425	2661609	28.68%	2.157%
27	10.125	743	747	749	rBV3	449493	1075289	11.59%	0.871%
28	10.171	749	751	753	rVV2	148843	322082	3.47%	0.261%
29	10.205	753	754	756	rVB	782340	579735	6.25%	0.470%
30	10.285	757	761	763	rBV	1843938	2242548	24.16%	1.817%
31	10.331	763	765	767	rVB2	229852	265931	2.87%	0.215%
32	10.434	771	774	776	rVB2	116444	224078	2.41%	0.182%
33	10.594	782	788	789	rBV	519069	958947	10.33%	0.777%
34	10.674	793	795	796	rVB2	275379	319024	3.44%	0.258%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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	10.742	796	801	802	rBV3	316255	743514	8.01%	0.602%
36	10.834	807	809	810	rBV	459899	511238	5.51%	0.414%
37	10.868	810	812	817	rVB	1126297	1154157	12.44%	0.935%
38	11.016	819	825	826	rBV	5206409	9280255	100.00%	7.520%
39	11.062	826	829	830	rVB	2202838	3192768	34.40%	2.587%
40	11.085	830	831	833	rVB2	372936	324818	3.50%	0.263%
41	11.131	833	835	838	rVB3	130694	251141	2.71%	0.203%
42	11.211	838	842	843	rBV	867536	1051726	11.33%	0.852%
43	11.268	846	847	849	rBV2	219196	232501	2.51%	0.188%
44	11.474	862	865	866	rBV	1305410	1311751	14.13%	1.063%
45	11.496	866	867	869	rVB	1153829	1481776	15.97%	1.201%
46	11.554	869	872	873	rBV	614405	804379	8.67%	0.652%
47	11.588	873	875	879	rVB2	1854611	3163798	34.09%	2.564%
48	11.771	888	891	892	rBV	910841	871380	9.39%	0.706%
49	11.908	901	903	905	rBV	258984	345048	3.72%	0.280%
50	12.022	910	913	914	rBV	425796	648885	6.99%	0.526%
51	12.057	914	916	919	rVB2	366185	580322	6.25%	0.470%
52	12.114	919	921	924	rVB2	322900	494781	5.33%	0.401%
53	12.194	924	928	930	rBV	4563070	7414995	79.90%	6.008%
54	12.239	930	932	933	rBV2	241052	360856	3.89%	0.292%
55	12.319	937	939	941	rBV	692139	705989	7.61%	0.572%
56	12.411	943	947	949	rBV2	3925211	7402989	79.77%	5.998%
57	12.457	949	951	955	rVB2	400409	687084	7.40%	0.557%
58	12.525	955	957	958	rBV	657322	809877	8.73%	0.656%
59	12.559	958	960	962	rVB	1507680	1840678	19.83%	1.491%
60	12.617	962	965	967	rBV3	519176	1093470	11.78%	0.886%
61	12.731	969	975	977	rVB	1611360	2266220	24.42%	1.836%
62	12.799	979	981	982	rBV	1501745	1595299	17.19%	1.293%
63	12.834	982	984	988	rBV2	921966	1295749	13.96%	1.050%
64	12.914	990	991	993	rBV	340044	373978	4.03%	0.303%
65	12.948	993	994	998	rVB2	499123	533098	5.74%	0.432%
66	13.017	998	1000	1004	rVB5	95693	231614	2.50%	0.188%
67	13.142	1006	1011	1015	rBV4	317008	890999	9.60%	0.722%
68	13.211	1015	1017	1018	rBV2	266848	435410	4.69%	0.353%
69	13.337	1025	1028	1029	rBV	442450	557958	6.01%	0.452%
70	13.382	1029	1032	1036	rVV4	624717	1778188	19.16%	1.441%
71	13.474	1038	1040	1042	rBV3	190770	310047	3.34%	0.251%

LSC Area Percent Report

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Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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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Peak separation: 5

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

72	13.588	1045	1050	1052	rBV2	2877322	5953710	64.15%	4.824%
73	13.622	1052	1053	1056	rVV	2633520	2509139	27.04%	2.033%
74	13.691	1056	1059	1061	rVV2	710601	756363	8.15%	0.613%
75	13.782	1065	1067	1069	rVV3	259018	511563	5.51%	0.415%
76	13.817	1069	1070	1076	rVB	457904	563267	6.07%	0.456%
77	13.908	1076	1078	1079	rBV	135771	231103	2.49%	0.187%
78	13.977	1082	1084	1085	rVV	695445	744673	8.02%	0.603%
79	14.000	1085	1086	1089	rVB	261156	342809	3.69%	0.278%
80	14.068	1089	1092	1093	rBV	404834	556197	5.99%	0.451%
81	14.114	1093	1096	1098	rVV3	425610	685476	7.39%	0.555%
82	14.171	1100	1101	1104	rVB2	253359	224493	2.42%	0.182%
83	14.274	1107	1110	1115	rBV5	291669	689834	7.43%	0.559%
84	14.434	1122	1124	1128	rBV2	138594	292904	3.16%	0.237%
85	14.583	1134	1137	1141	rBV	2103327	4506621	48.56%	3.652%
86	14.663	1141	1144	1145	rVB2	589469	661676	7.13%	0.536%
87	14.743	1148	1151	1153	rBV	207015	511516	5.51%	0.414%
88	14.811	1155	1157	1160	rVB	975177	1433731	15.45%	1.162%
89	14.868	1160	1162	1164	rVB	1733871	2261257	24.37%	1.832%
90	14.914	1164	1166	1167	rBV	559240	623915	6.72%	0.506%
91	15.085	1175	1181	1184	rBV4	182316	708021	7.63%	0.574%
92	15.348	1203	1204	1208	rVV	174816	214430	2.31%	0.174%
93	15.908	1250	1253	1261	rBV4	163710	518650	5.59%	0.420%
94	16.057	1263	1266	1269	rVB2	680699	1261059	13.59%	1.022%
95	16.194	1275	1278	1280	rBV	187385	398959	4.30%	0.323%
96	16.400	1292	1296	1302	rBV	529988	1037537	11.18%	0.841%
97	16.571	1309	1311	1317	rVB2	220467	459629	4.95%	0.372%
98	18.114	1441	1446	1451	rVB	164210	498768	5.37%	0.404%
99	18.251	1453	1458	1461	rBV	108101	362258	3.90%	0.294%
100	19.029	1523	1526	1534	rVB	110747	345827	3.73%	0.280%

Sum of corrected areas: 123415850

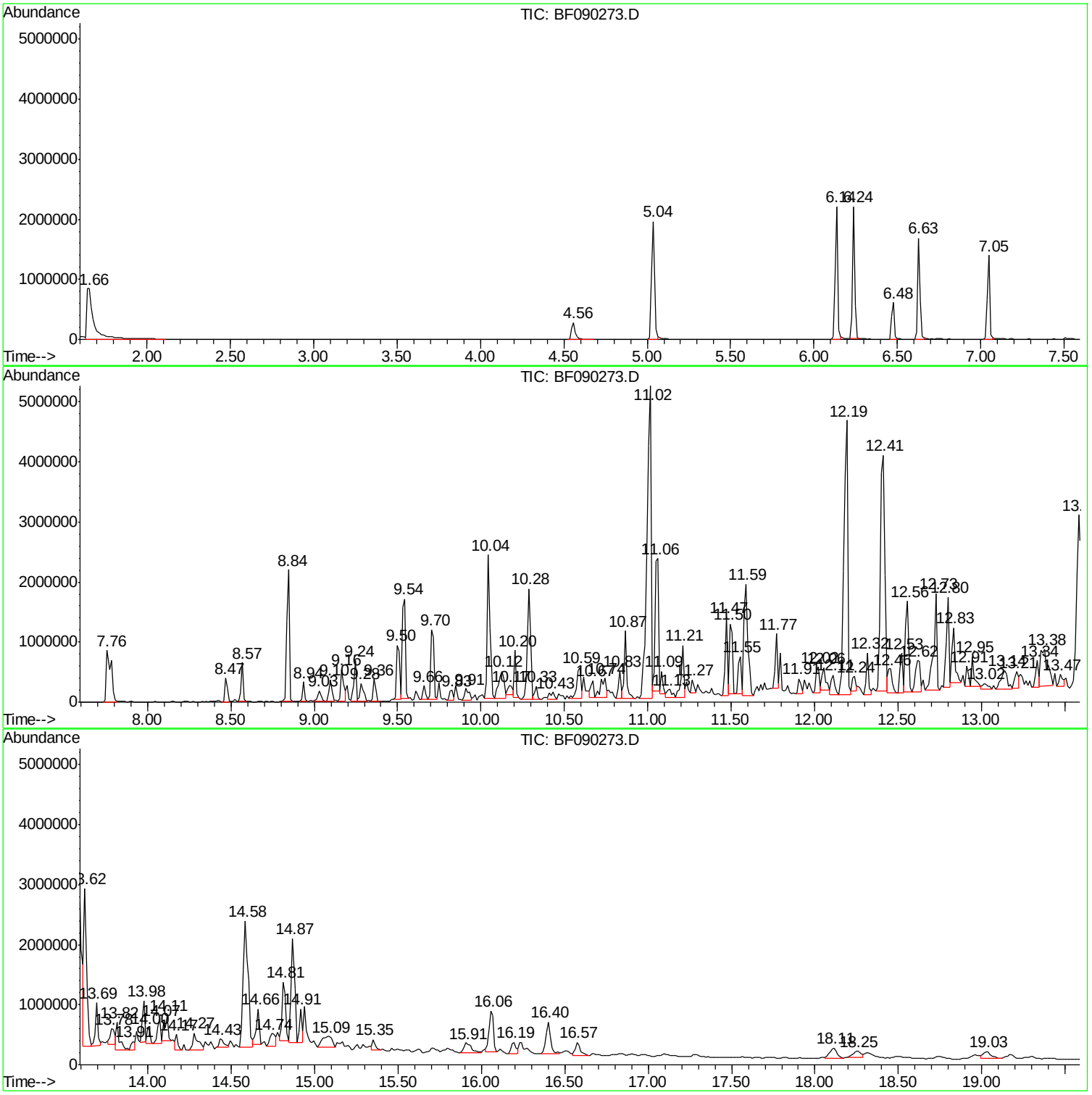
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090273.D
Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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 : BF090273.D
Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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

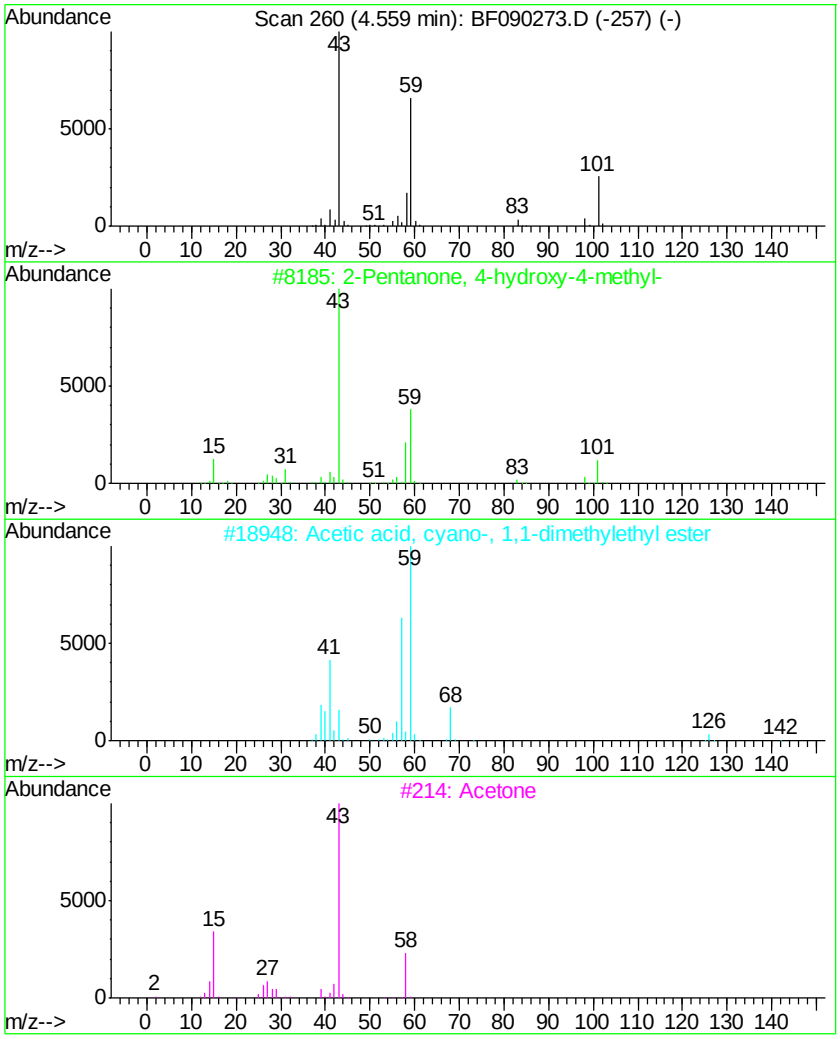
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

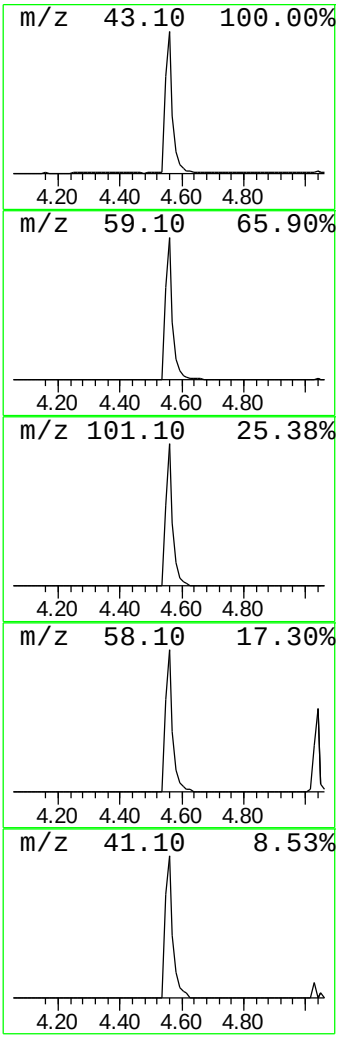
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	12.35 ng	448131	1,4-Dichlorobenzene-d4	6.48

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	17
3	Acetone	58	C3H6O	000067-64-1	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090273.D
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Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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
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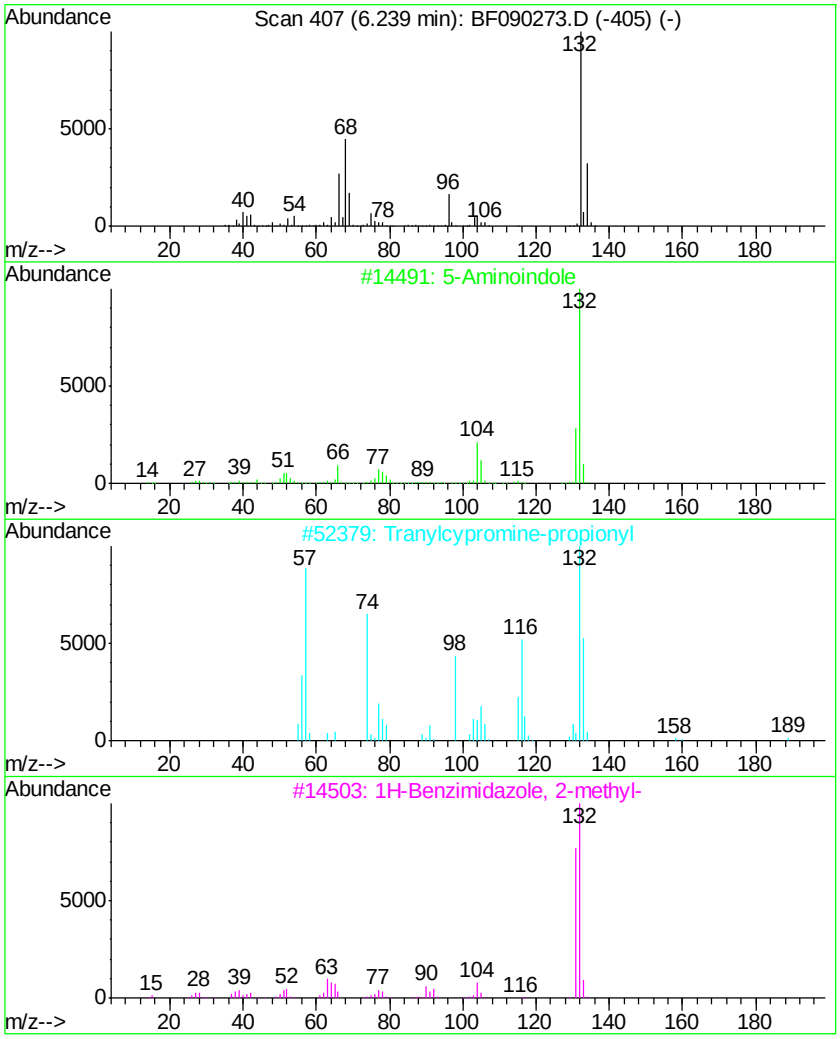
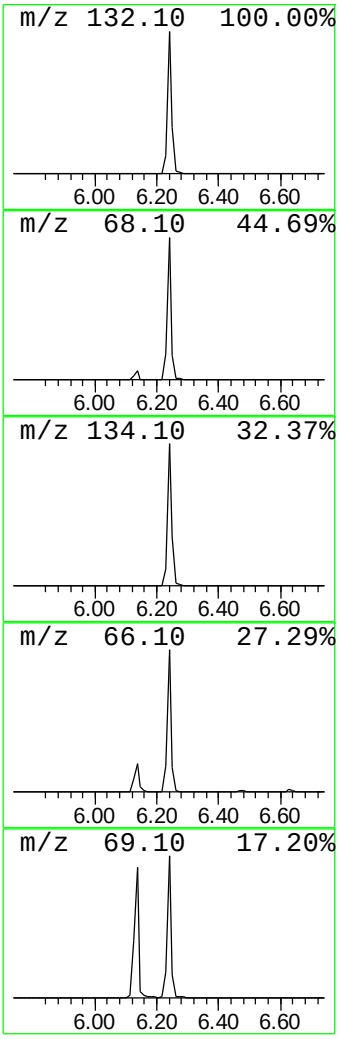
****

Peak Number 3 unknown6.24 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	58.85 ng	2134750	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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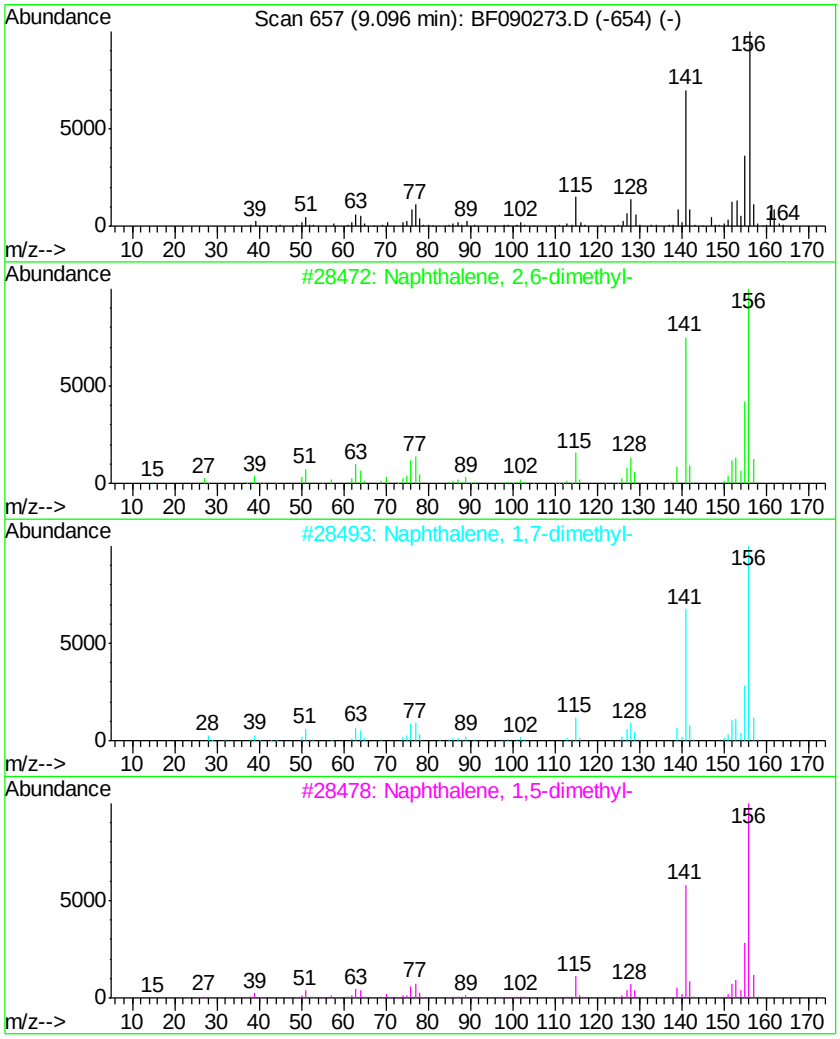
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

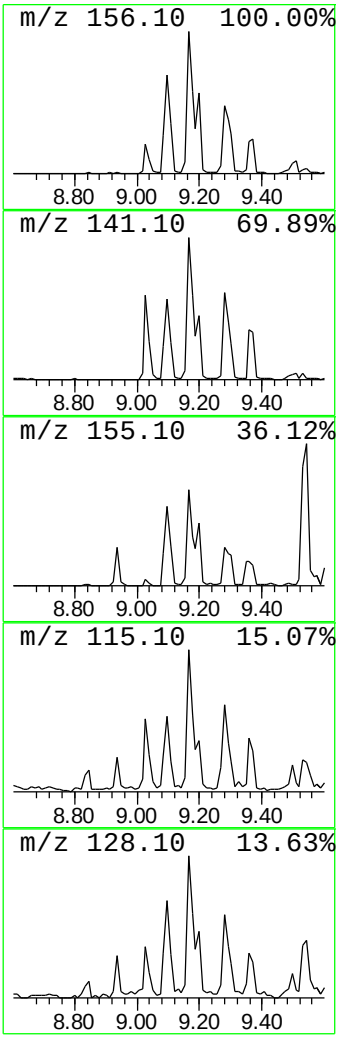
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	7.68 ng	469774	Acenaphthene-d10	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
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Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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

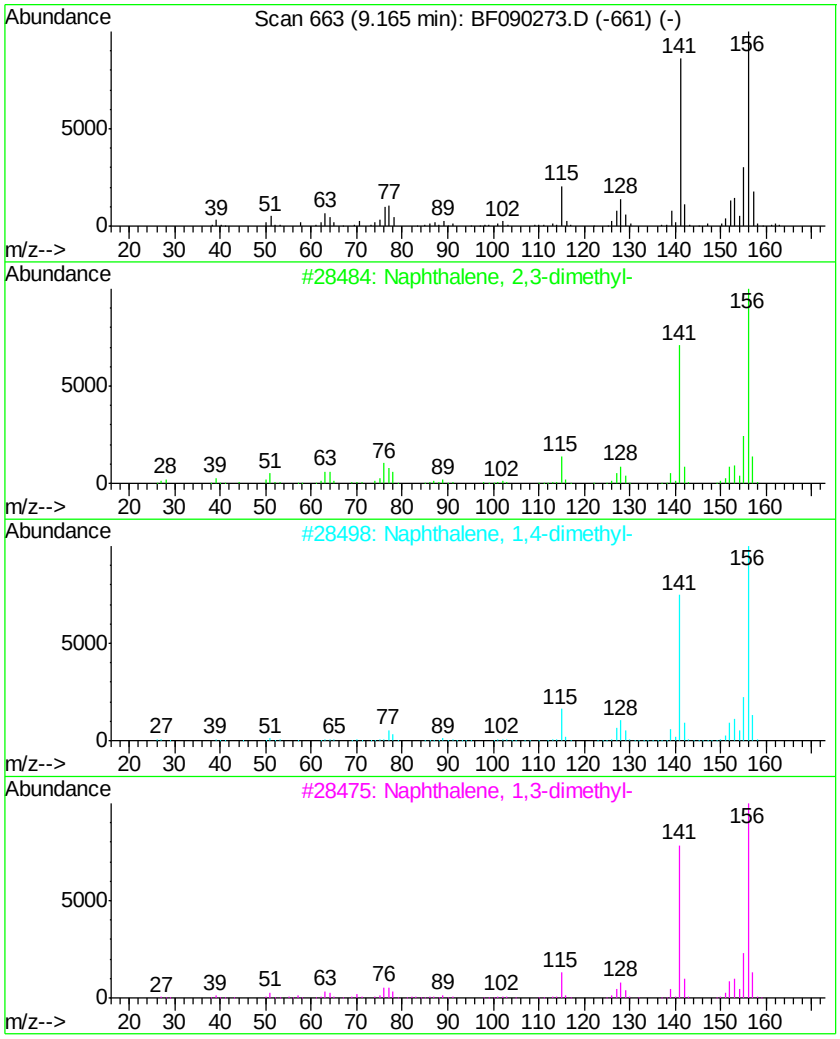
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

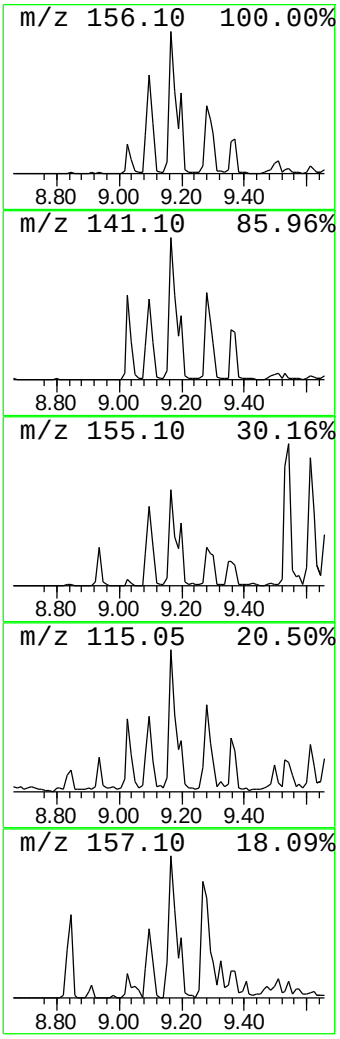
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	11.86 ng	725561	Acenaphthene-d10	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090273.D
Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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

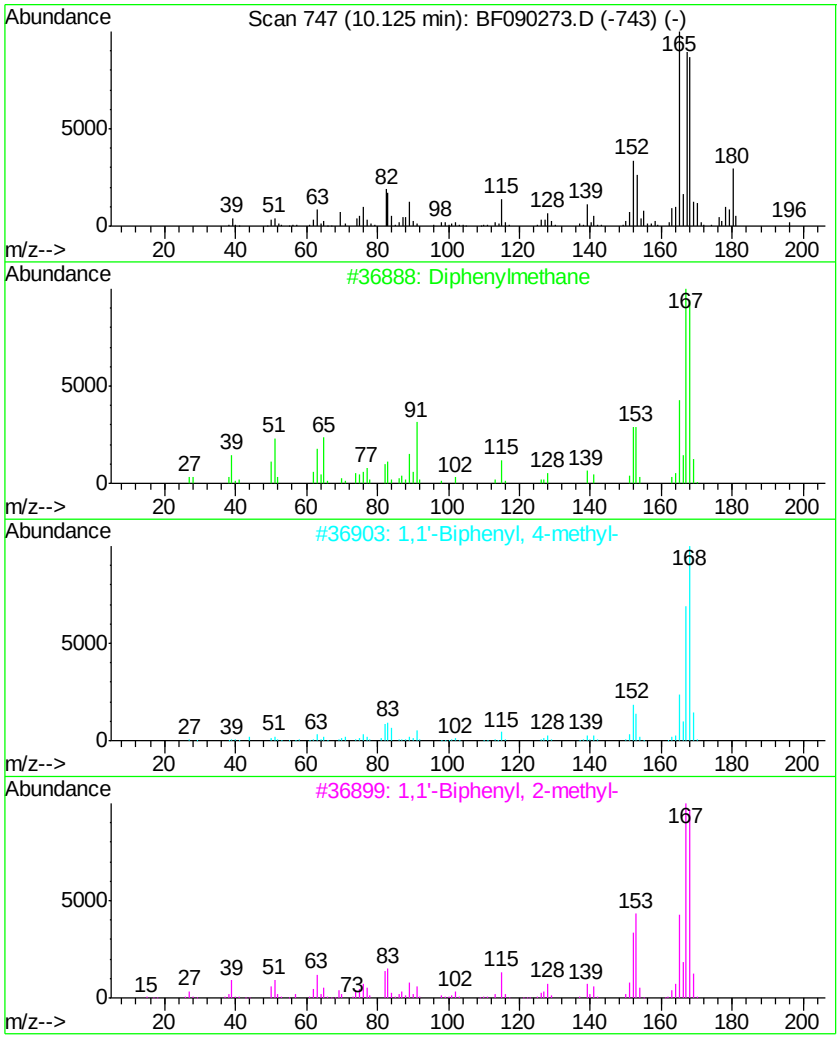
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

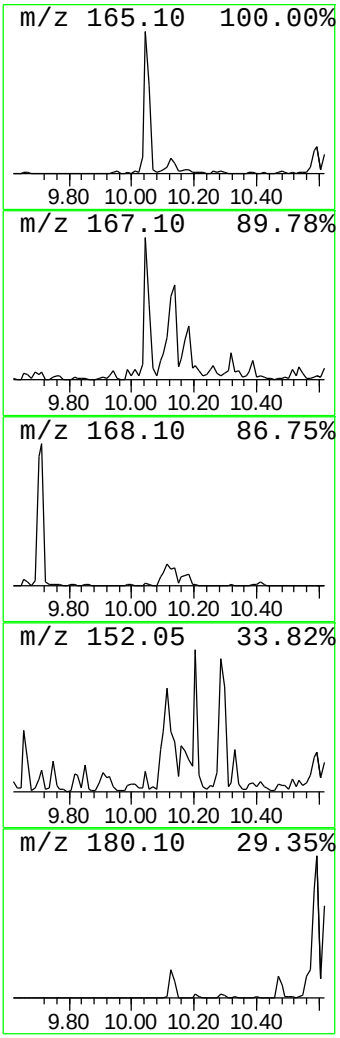
****

Peak Number 7 Diphenylmethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	17.58 ng	1075290	Acenaphthene-d10	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	46
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	46





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Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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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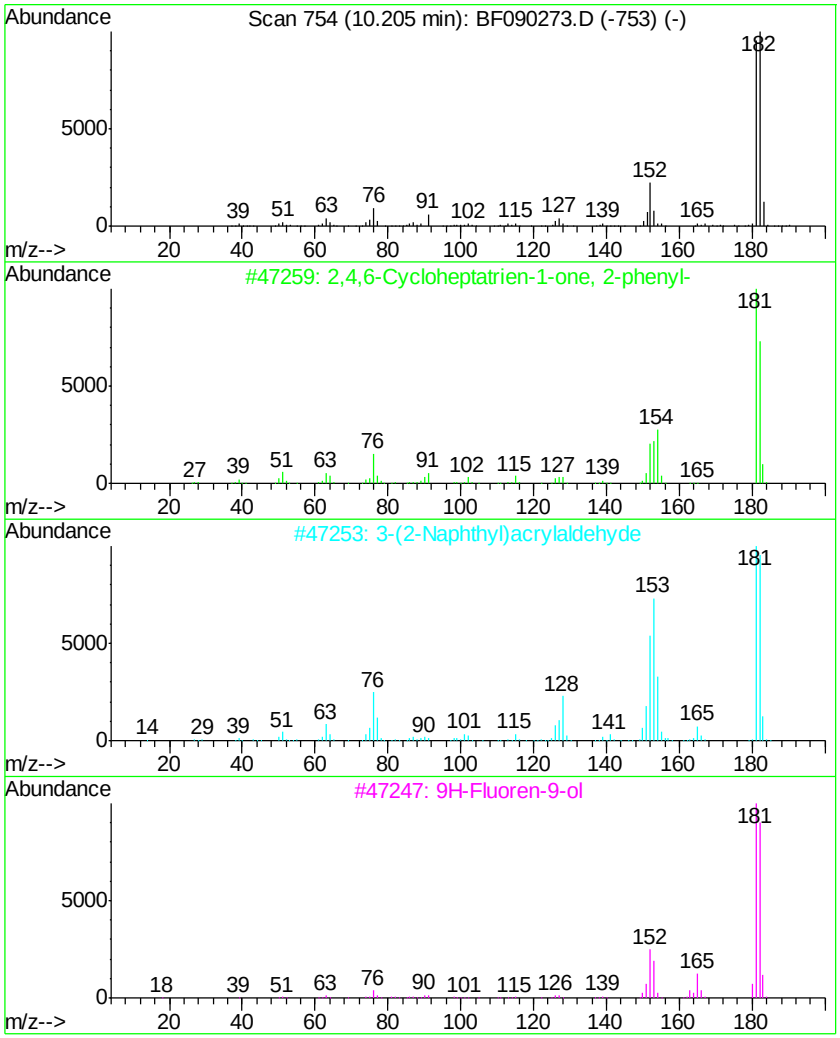
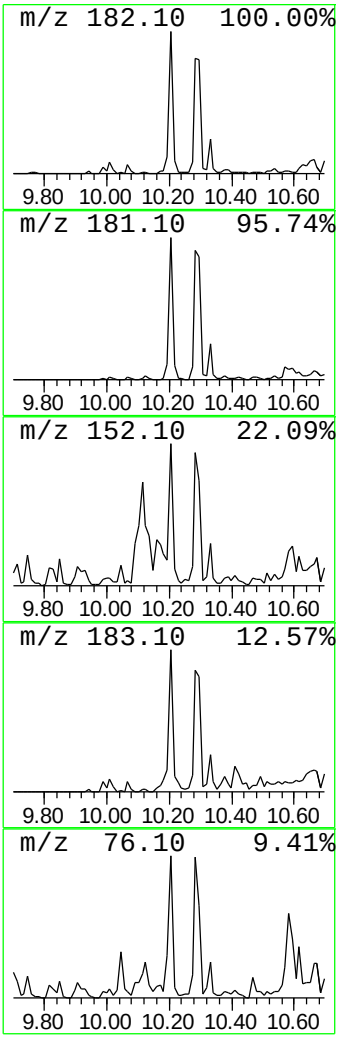
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	9.48 ng	579735	Acenaphthene-d10	9.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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ClientSampleId : S-6-2-LOC-6(10-15)

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

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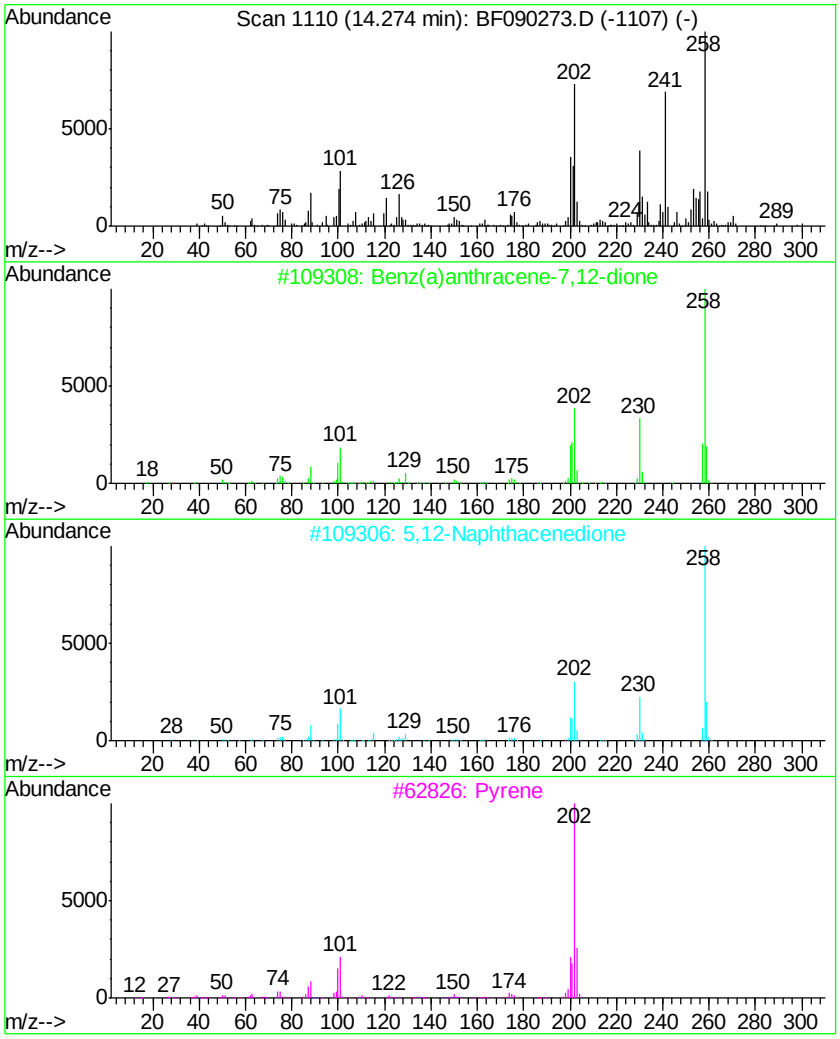
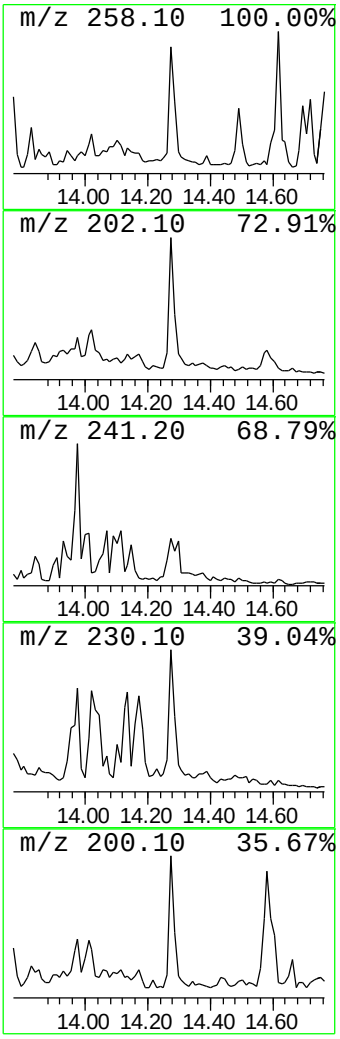
Peak Number 9 Benz(a)anthracene-7,12-dione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	22.11 ng	689834	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Pyrene	202	C16H10	000129-00-0	60
4	Iron,(5-methyl-2-furanoyl)dicarb...	286	C13H10FeO4	059308-01-9	30
5	Benzoic acid, 4,4'-oxybis-	258	C14H10O5	002215-89-6	30





Library Search Compound Report

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Sample : H4949-12
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ClientSampleId : S-6-2-LOC-6(10-15)

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

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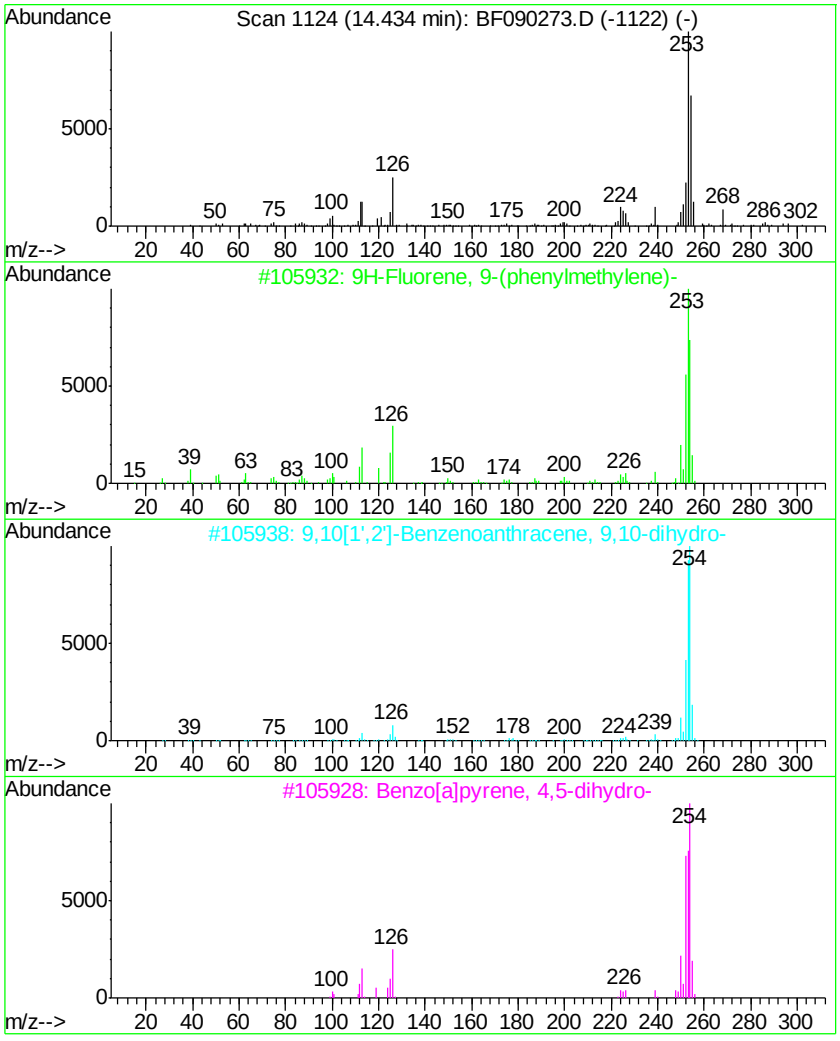
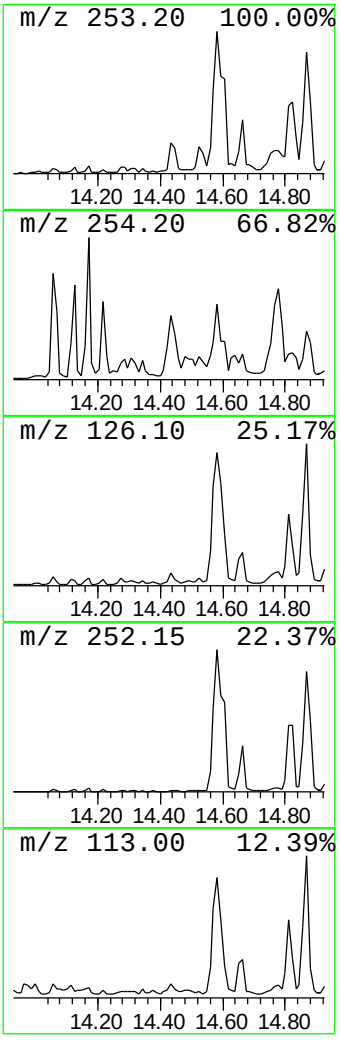
Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	9.39 ng	292904	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	90
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	58
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55





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Instrument : BNA_F
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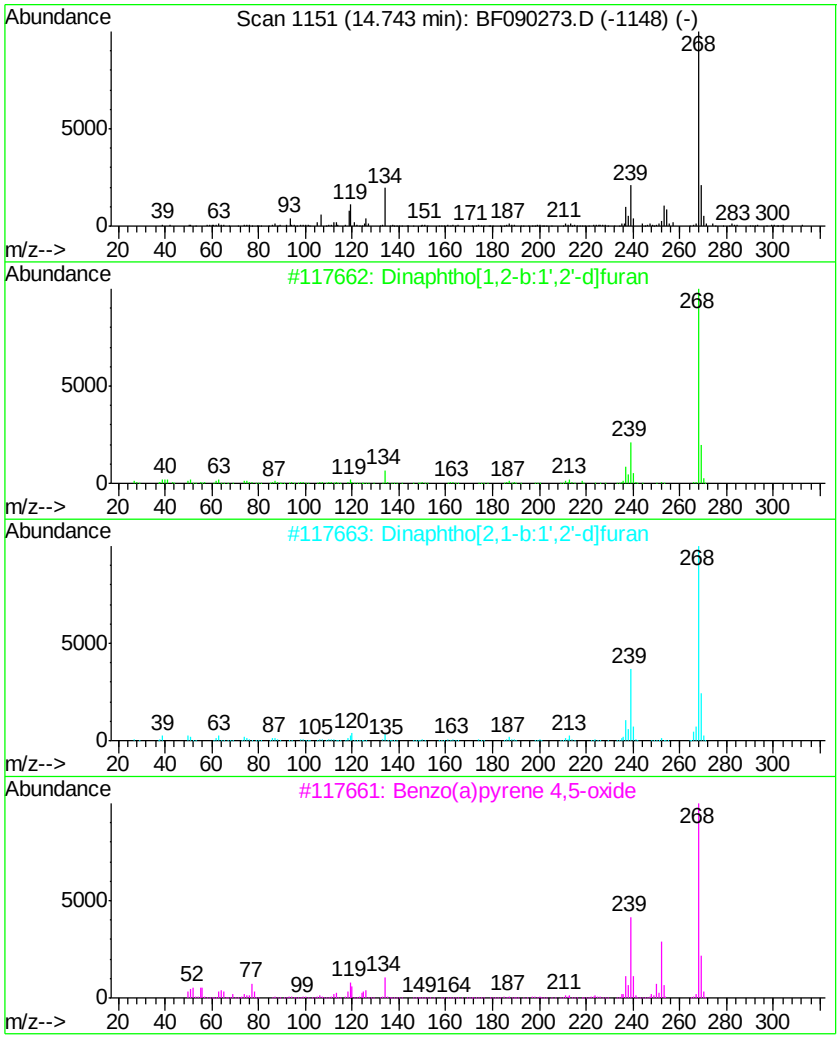
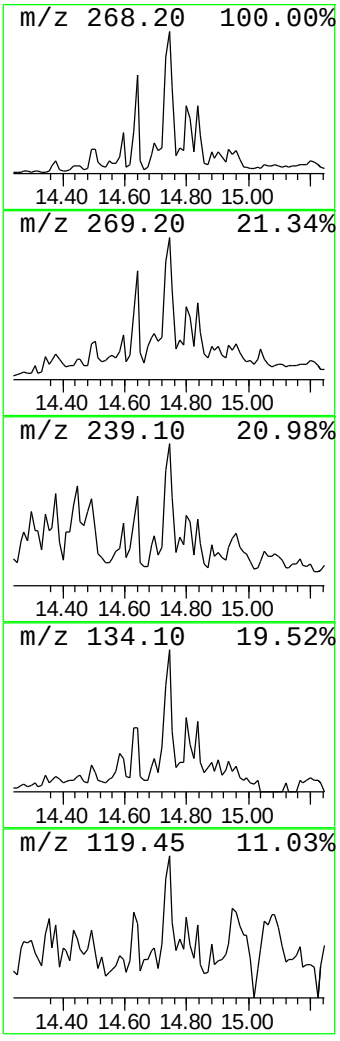
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	16.40 ng	511516	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
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	74
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





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TIC Library : C:\DATABASE\NIST11.L
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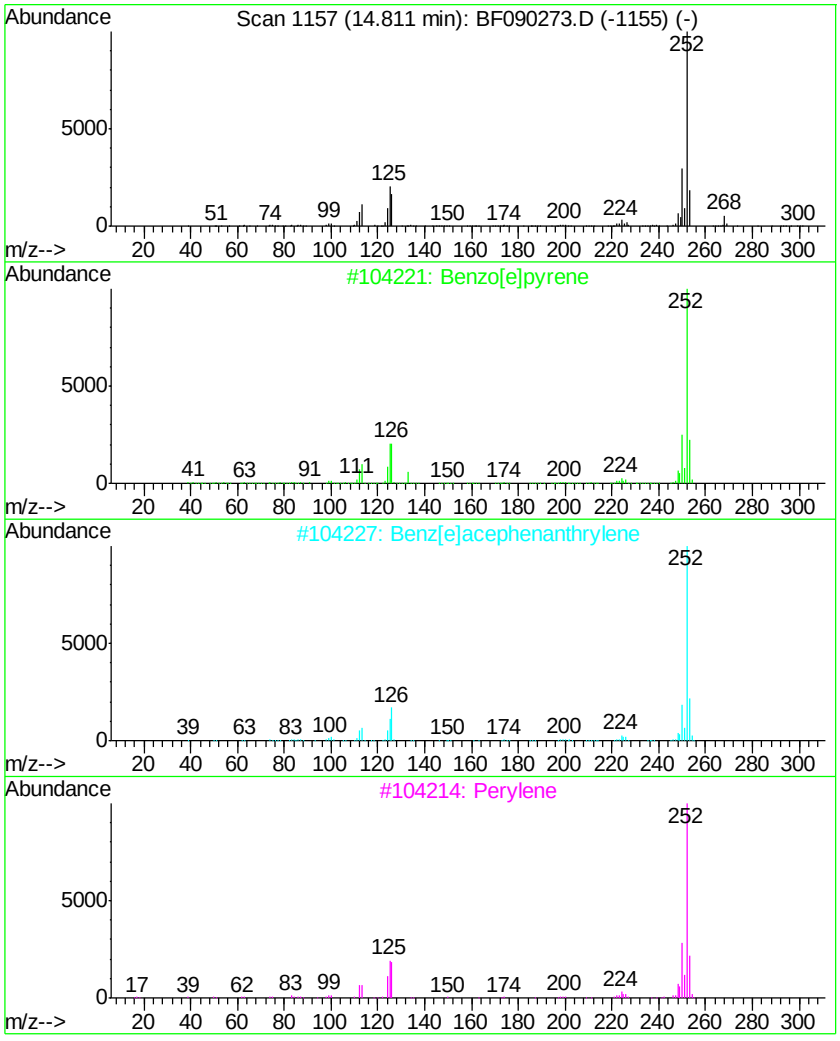
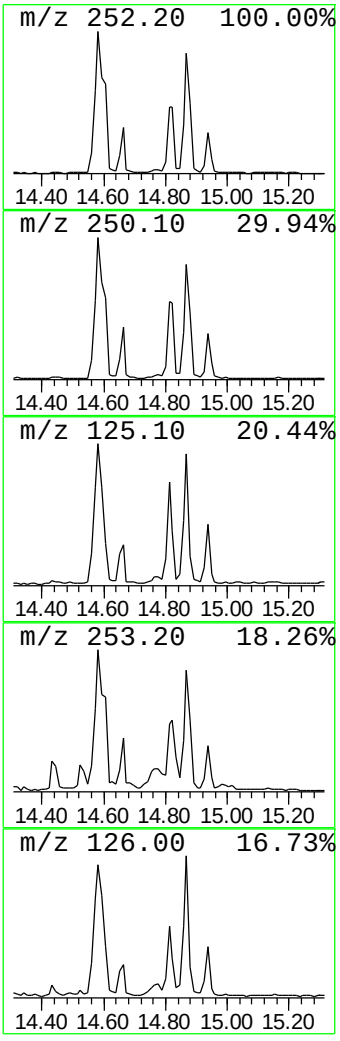
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	45.96 ng	1433730	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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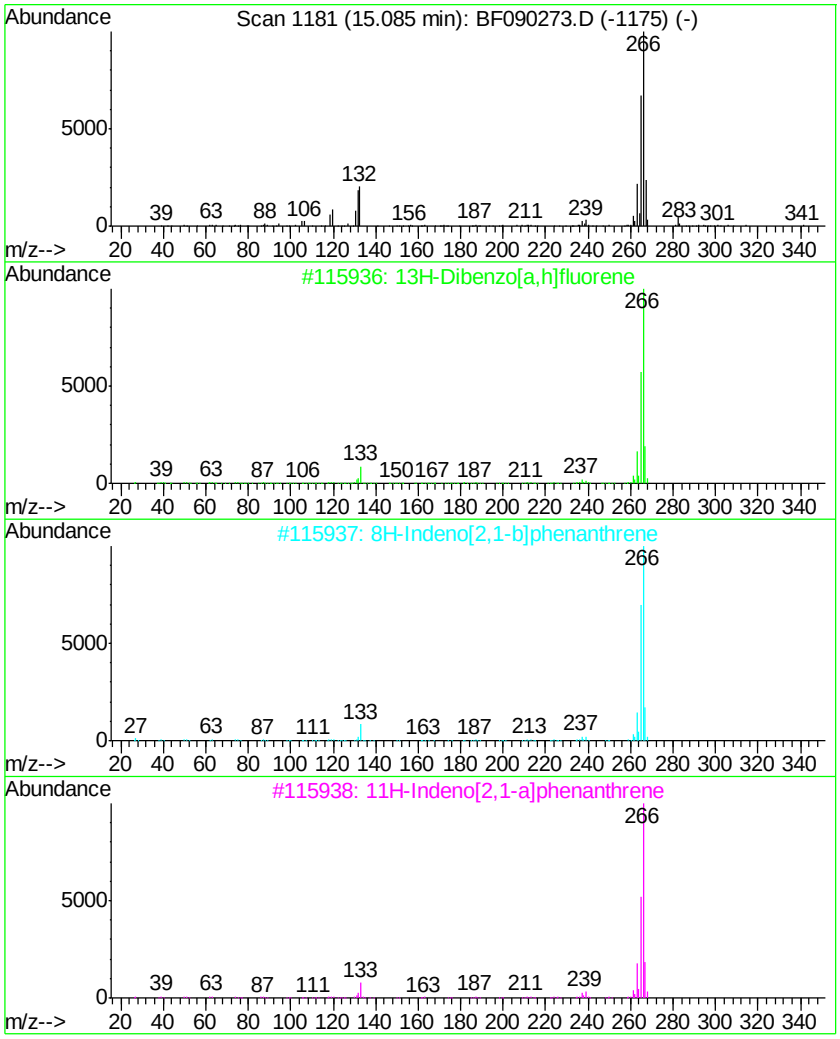
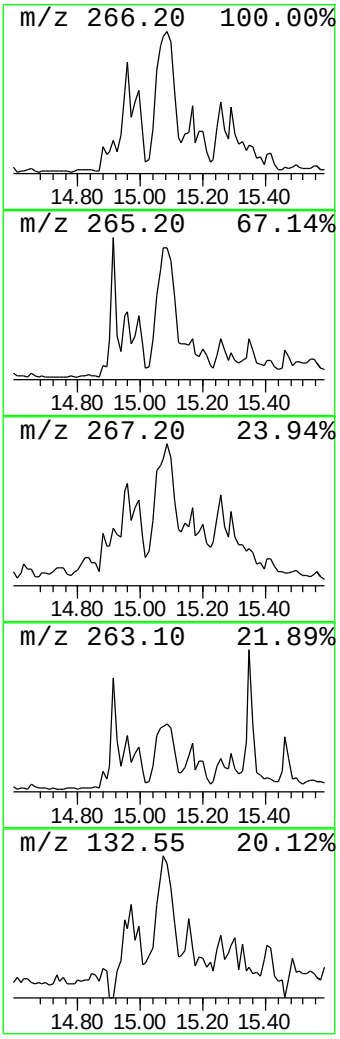
Peak Number 14 13H-Dibenzo[a,h]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	22.70 ng	708021	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	96
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	96
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	93
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	50





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

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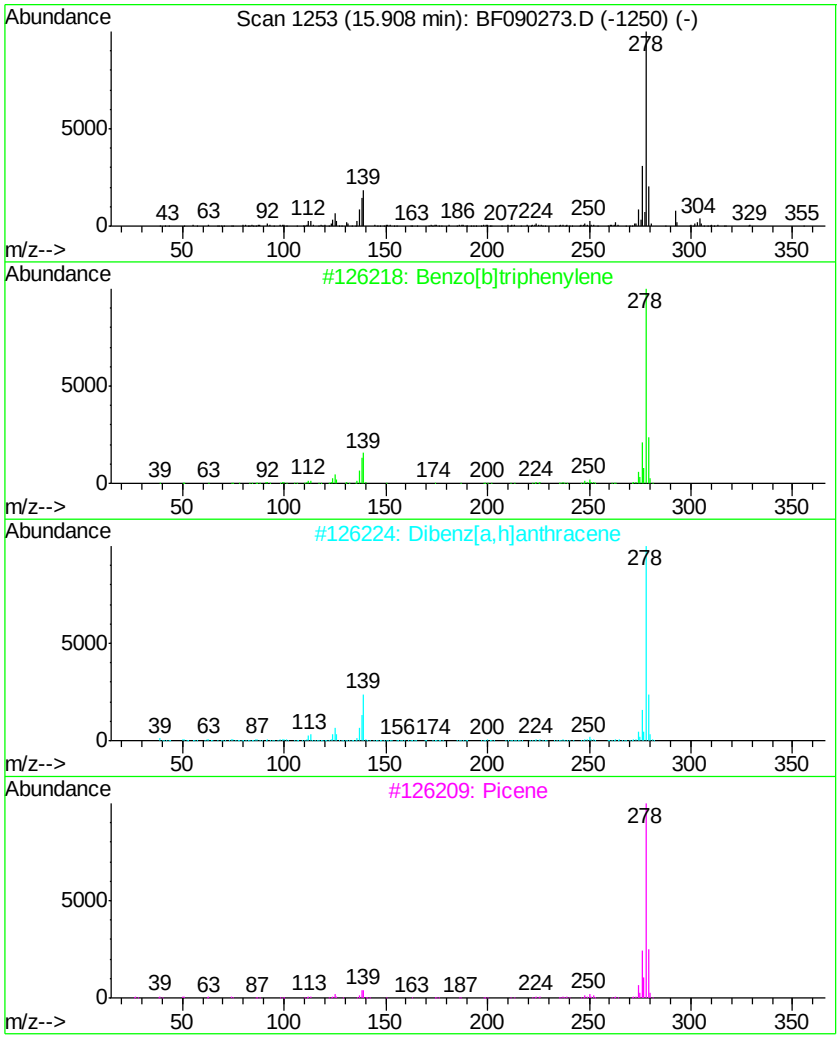
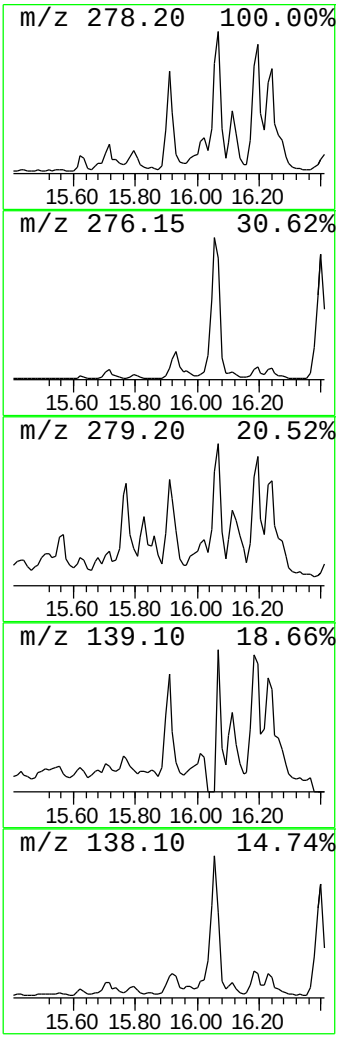
Peak Number 15 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	16.63 ng	518650	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3	Picene	278	C22H14	000213-46-7	89
4	Pentacene	278	C22H14	000135-48-8	81
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	76





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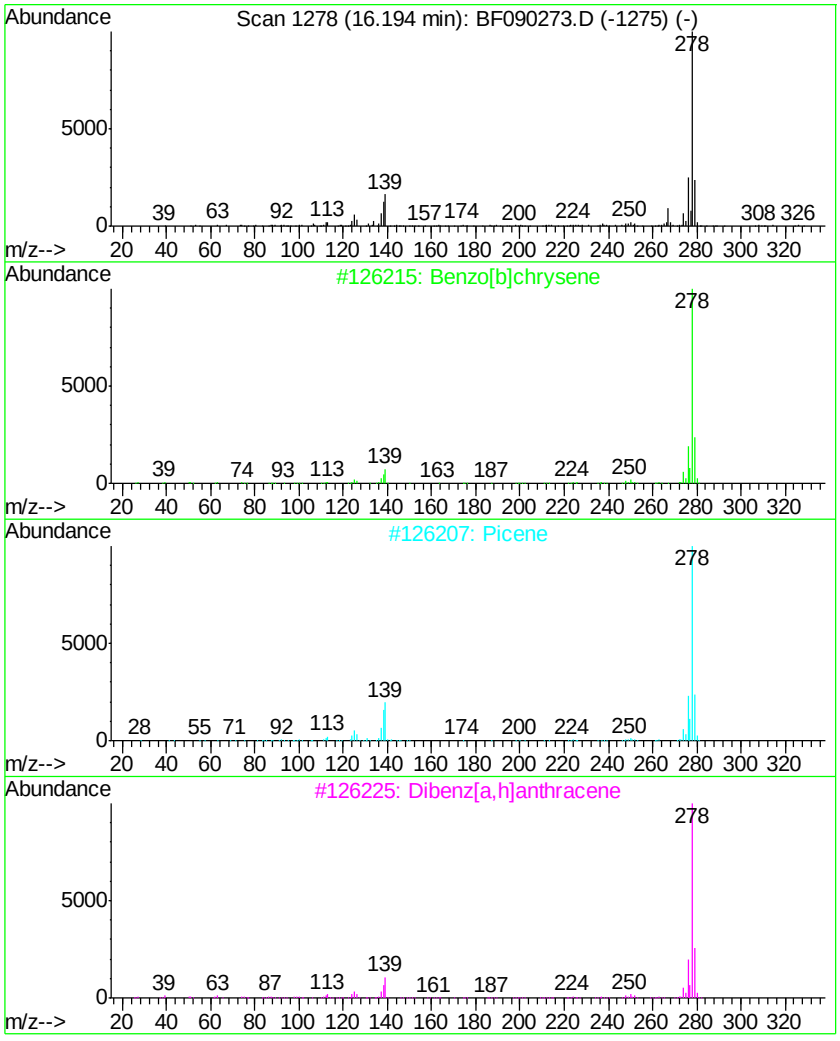
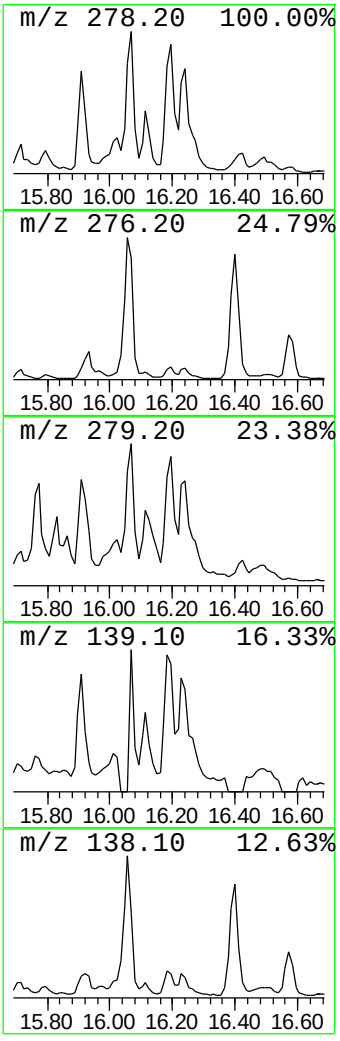
Peak Number 16 Benzo[b]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	12.79 ng	398959	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	96
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	96





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TIC Integration Parameters: LSCINT.P

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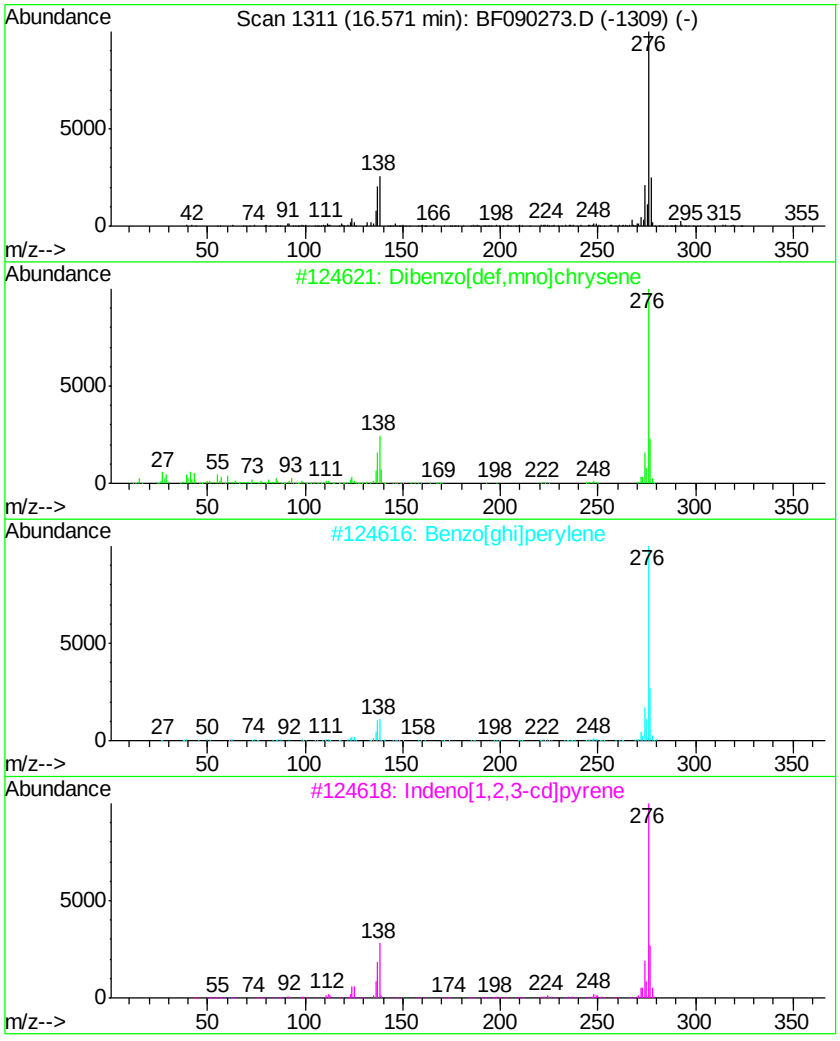
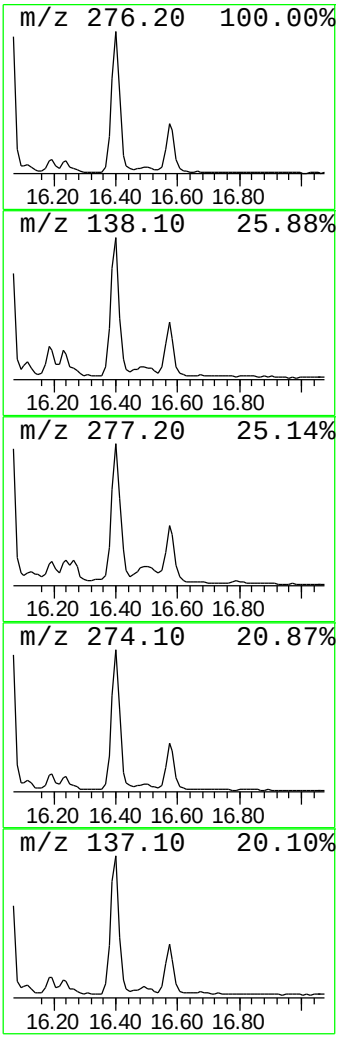
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	14.73 ng	459629	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





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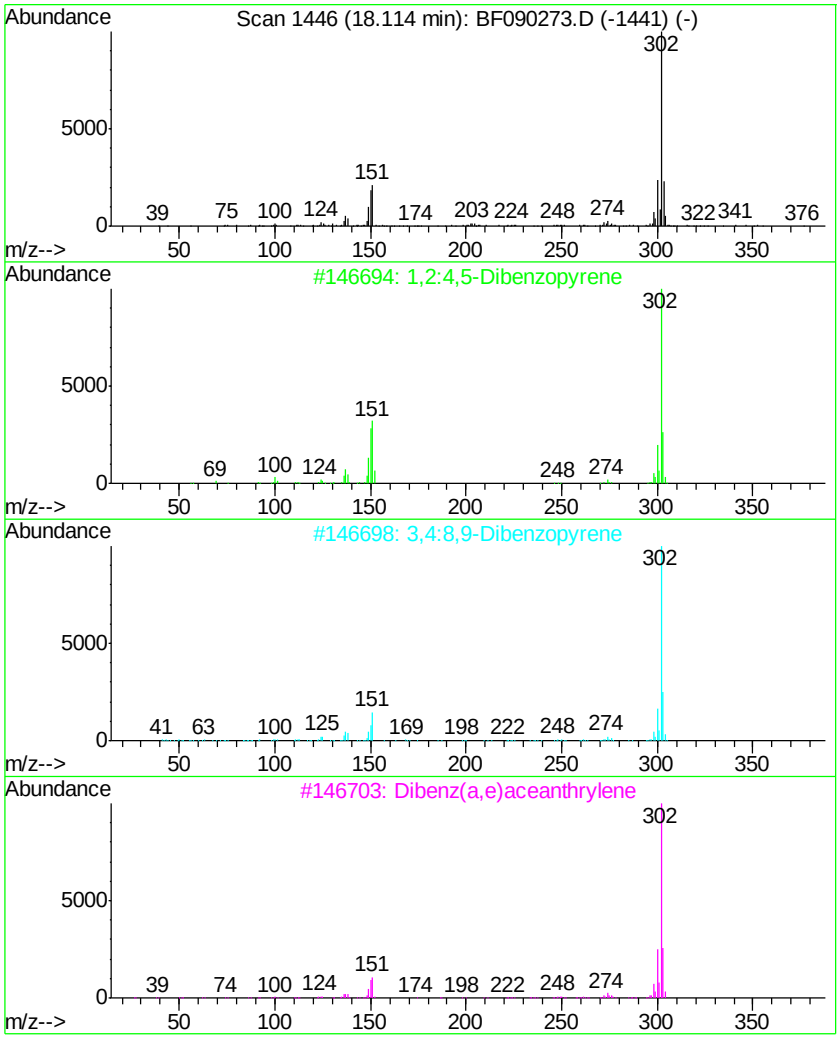
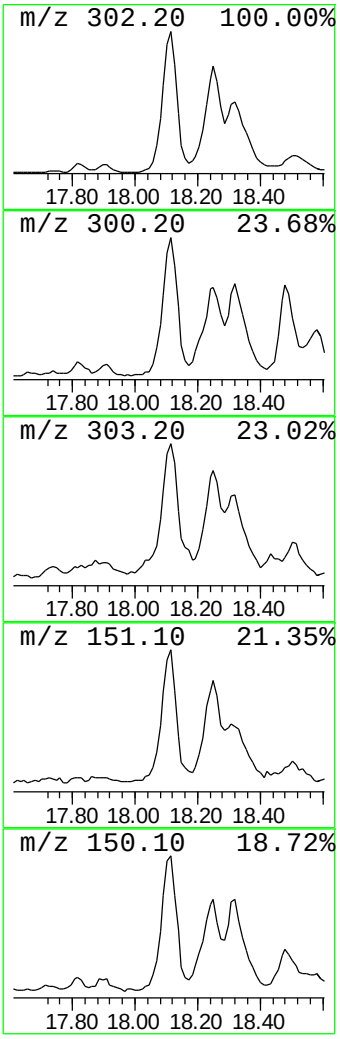
Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	15.99 ng	498768	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	90
5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	81





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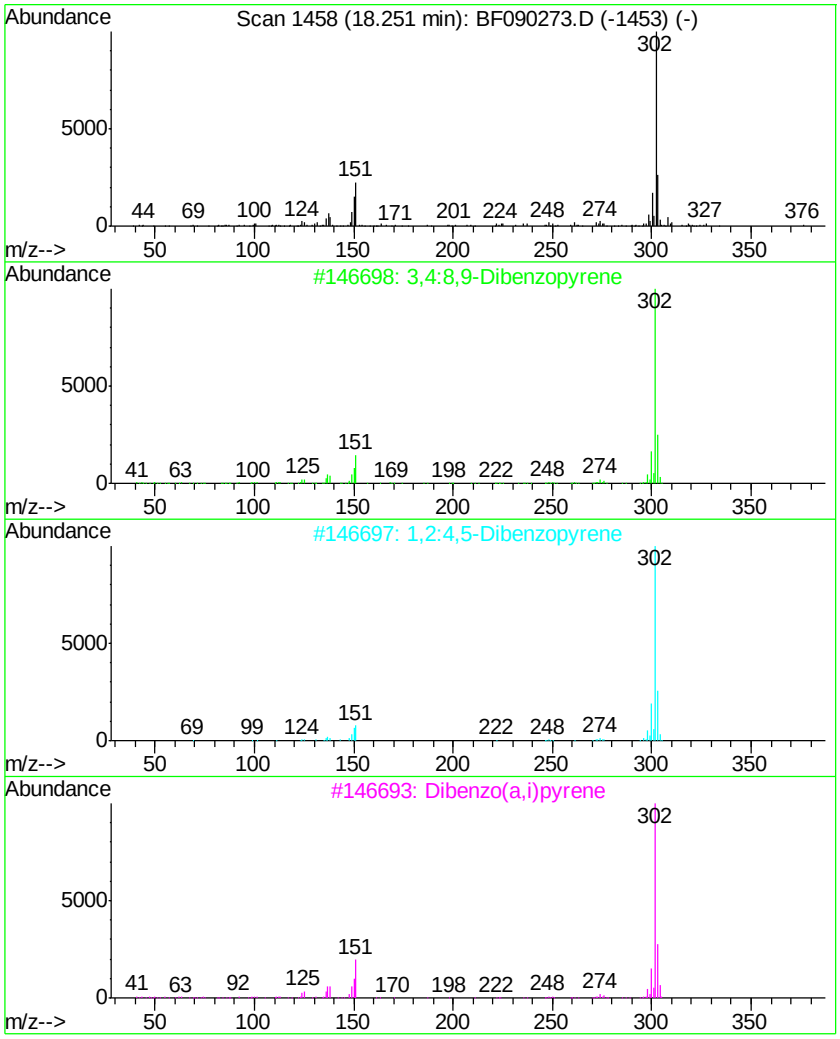
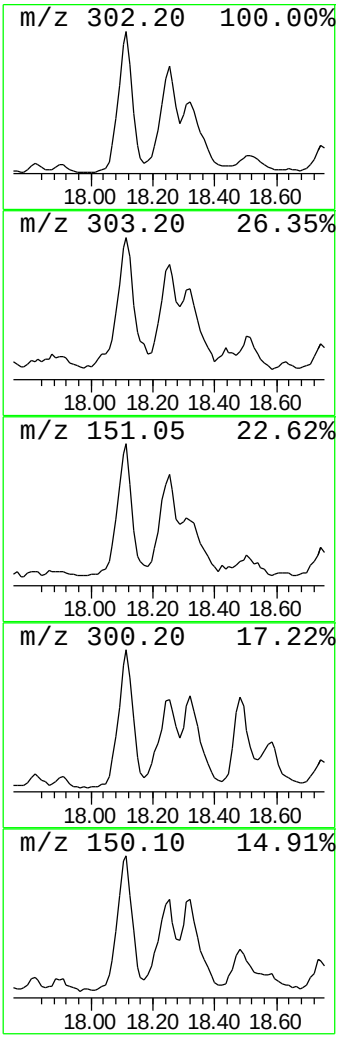
Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	11.61 ng	362258	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	94
4	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	76
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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

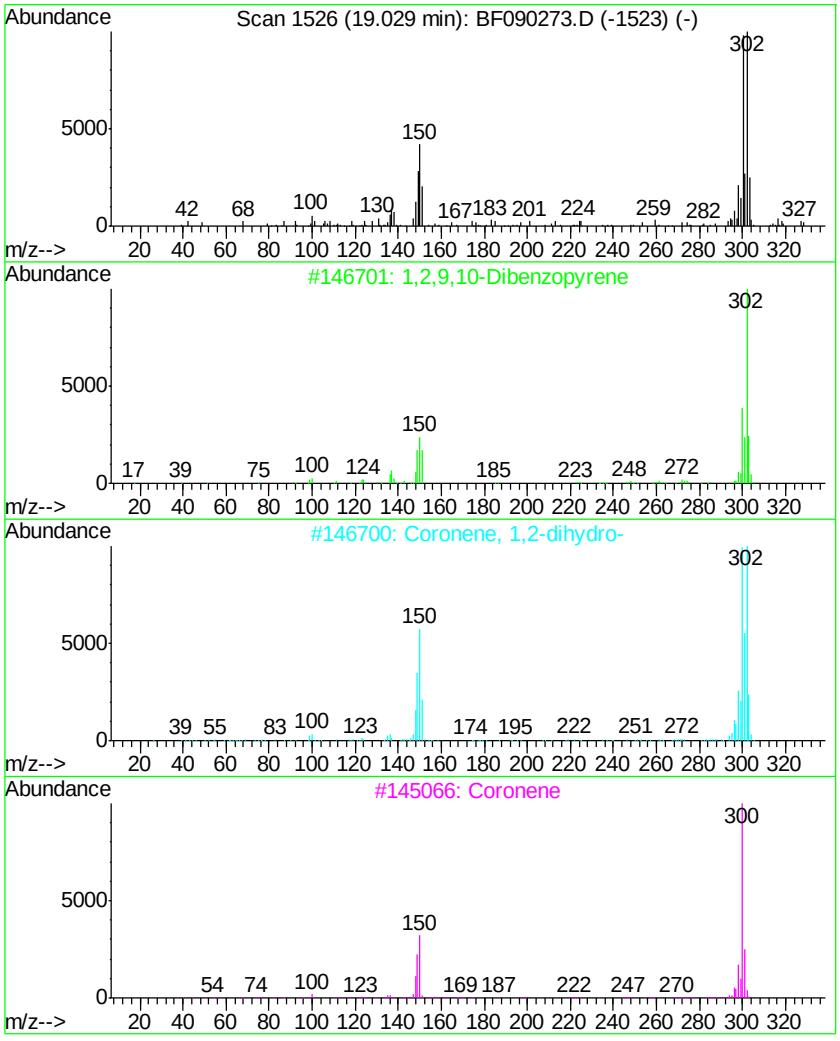
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

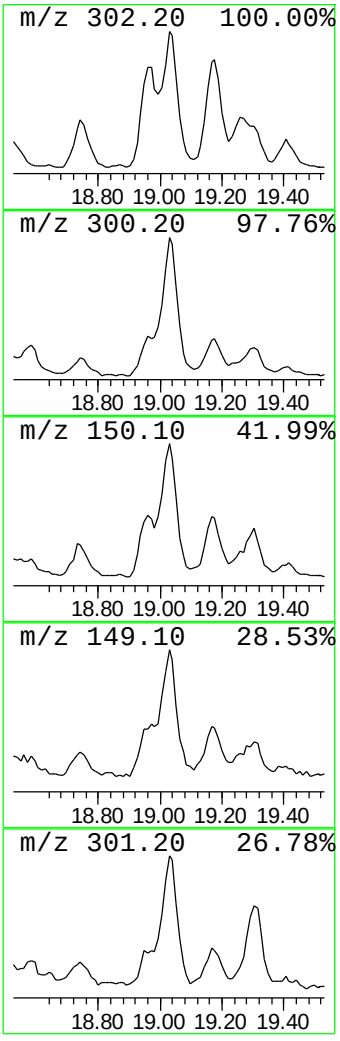
****

Peak Number 20 1,2,9,10-Dibenzopyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	11.09 ng	345827	Perylene-d12	14.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	55
2	Coronene, 1,2-dihydro-	302	C24H14	107716-56-3	55
3	Coronene	300	C24H12	000191-07-1	55
4	4-Bromo-2-fluoroiodobenzene	300	C6H3BrFI	105931-73-5	43
5	1-Bromo-2-fluoro-4-iodobenzene	300	C6H3BrFI	136434-77-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
Data File : BF090273.D
Acq On : 28 Sep 2016 00:59
Operator : UM/SJ
Sample : H4949-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-6-2-LOC-6(10-15)

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.56	12.4	ng	448131	1	6.48	725504	20.0
unknown6.24	6.24	58.9	ng	2134750	1	6.48	725504	20.0
Naphthalene, 2,6-...	9.10	7.7	ng	469774	3	9.51	1223330	20.0
Naphthalene, 2,3-...	9.16	11.9	ng	725561	3	9.51	1223330	20.0
Diphenylmethane	10.12	17.6	ng	1075290	3	9.51	1223330	20.0
2,4,6-Cycloheptat...	10.20	9.5	ng	579735	3	9.51	1223330	20.0
Benz(a)anthracene...	14.27	22.1	ng	689834	6	14.91	623915	20.0
9H-Fluorene, 9-(p...	14.43	9.4	ng	292904	6	14.91	623915	20.0
Dinaphtho[1,2-b:1...	14.74	16.4	ng	511516	6	14.91	623915	20.0
Benzo[e]pyrene	14.81	46.0	ng	1433730	6	14.91	623915	20.0
13H-Dibenzo[a,h]f...	15.09	22.7	ng	708021	6	14.91	623915	20.0
Benzo[b]triphenylene	15.91	16.6	ng	518650	6	14.91	623915	20.0
Benzo[b]chrysene	16.19	12.8	ng	398959	6	14.91	623915	20.0
Dibenzo[def,mno]c...	16.57	14.7	ng	459629	6	14.91	623915	20.0
1,2:4,5-Dibenzopy...	18.11	16.0	ng	498768	6	14.91	623915	20.0
3,4:8,9-Dibenzopy...	18.25	11.6	ng	362258	6	14.91	623915	20.0
1,2,9,10-Dibenzop...	19.03	11.1	ng	345827	6	14.91	623915	20.0