LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083387.D
Acq On : 1 Dec 2015 22:28
Operator : UM/IZ
Sample : G4593-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

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-BF113015.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	3.904	192	194	201	rBV	193397	342170	6.14%	0.351%
2	4.464	240	243	250	rBV	148030	223557	4.01%	0.229%
3	4.658	258	260	273	rVB	808124	1525271	27.39%	1.565%
4	5.139	300	302	317	rBV	4217747	4801075	86.22%	4.926%
5	6.224	394	397	399	rBV	4542957	5568555	100.00%	5.714%
6	6.327	403	406	408	rBV	4429506	5084462	91.31%	5.217%
7	6.544	423	425	428	rBV	958445	986025	17.71%	1.012%
8	6.704	437	439	442	rBV	3854483	3463431	62.20%	3.554%
9	7.116	473	475	478	rBV	2257012	3306635	59.38%	3.393%
10	7.836	535	538	540	rBV	1507579	1459884	26.22%	1.498%
11	8.922	630	633	635	rBV	4958995	5367727	96.39%	5.508%
12	9.242	659	661	666	rVV2	138246	315263	5.66%	0.323%
13	9.322	666	668	670	rBV	973749	862149	15.48%	0.885%
14	9.585	689	691	692	rVV	1454319	1434057	25.75%	1.471%
15	9.619	692	694	696	rVB	452702	616535	11.07%	0.633%
16	9.790	706	709	711	rBV	372880	430134	7.72%	0.441%
17	10.042	729	731	732	rVV	193499	172852	3.10%	0.177%
18	10.122	737	738	740	rVV	496006	558019	10.02%	0.573%
19	10.190	740	744	745	rVV	126008	206848	3.71%	0.212%
20	10.259	747	750	751	rVV2	139344	210571	3.78%	0.216%
21	10.293	751	753	756	rVV	164568	250524	4.50%	0.257%
22	10.373	757	760	762	rVV	3210083	3270542	58.73%	3.356%
23	10.522	770	773	776	rVB2	186861	312826	5.62%	0.321%
24	10.693	784	788	789	rBV	176680	293970	5.28%	0.302%
25	10.842	798	801	805	rBV5	119414	330281	5.93%	0.339%
26	10.911	805	807	809	rVB	228450	250245	4.49%	0.257%
27	10.968	809	812	814	rBV	204469	308507	5.54%	0.317%
28	11.002	814	815	818	rVB2	251733	312481	5.61%	0.321%
29	11.128	823	826	827	rBV	1142447	1713258	30.77%	1.758%
30	11.162	827	829	831	rVV	3357681	4608443	82.76%	4.729%
31	11.208	831	833	836	rVV	882934	1176070	21.12%	1.207%
32	11.413	849	851	852	rVV	309173	443940	7.97%	0.456%
33	11.528	859	861	864	rVV3	122418	197582	3.55%	0.203%
34	11.733	876	879	880	rBV	606569	685085	12.30%	0.703%

LSC Area Percent Report

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Instrument : BNA_F
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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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.768	880	882	885	rVB	802634	919844	16.52%	0.944%
36	11.825	885	887	889	rBV2	560058	914268	16.42%	0.938%
37	11.871	889	891	892	rVV	722719	1069942	19.21%	1.098%
38	11.893	892	893	897	rVB	407169	525638	9.44%	0.539%
39	12.111	911	912	914	rBV	295476	444702	7.99%	0.456%
40	12.145	914	915	919	rVB	384029	359673	6.46%	0.369%
41	12.316	926	930	932	rBV2	105906	217605	3.91%	0.223%
42	12.454	939	942	944	rBV	274263	494537	8.88%	0.507%
43	12.499	944	946	947	rVV	169822	264952	4.76%	0.272%
44	12.568	950	952	957	rVB3	189277	407866	7.32%	0.419%
45	12.671	957	961	963	rBV	3346594	4949047	88.87%	5.078%
46	12.751	966	968	970	rBV	138756	211727	3.80%	0.217%
47	12.865	975	978	980	rBV	225032	340939	6.12%	0.350%
48	12.911	980	982	984	rBV	128466	210795	3.79%	0.216%
49	12.979	984	988	990	rVV2	2875820	4856325	87.21%	4.983%
50	13.048	992	994	996	rVB	166881	201079	3.61%	0.206%
51	13.151	1001	1003	1005	rVV	235740	288459	5.18%	0.296%
52	13.219	1005	1009	1012	rVV	2997207	4152624	74.57%	4.261%
53	13.299	1012	1016	1019	rVV2	213176	489774	8.80%	0.503%
54	13.425	1023	1027	1028	rBV3	209892	435137	7.81%	0.446%
55	13.459	1028	1030	1032	rVB	388420	561448	10.08%	0.576%
56	13.551	1035	1038	1040	rVV	299642	382305	6.87%	0.392%
57	13.597	1040	1042	1049	rVV3	352070	819369	14.71%	0.841%
58	13.734	1052	1054	1056	rVV	173312	238123	4.28%	0.244%
59	13.779	1056	1058	1061	rVV	126107	244158	4.38%	0.251%
60	14.054	1077	1082	1083	rBV4	84007	249232	4.48%	0.256%
61	14.088	1083	1085	1088	rVV2	107348	192900	3.46%	0.198%
62	14.202	1091	1095	1100	rVB2	182054	381517	6.85%	0.391%
63	14.362	1106	1109	1111	rBV	211443	322229	5.79%	0.331%
64	14.408	1111	1113	1117	rVV2	255076	543932	9.77%	0.558%
65	14.477	1117	1119	1121	rVV2	143769	240760	4.32%	0.247%
66	14.522	1121	1123	1127	rVB	188797	289556	5.20%	0.297%
67	14.671	1134	1136	1138	rBV2	137883	288212	5.18%	0.296%
68	14.739	1139	1142	1144	rVV2	1383185	2723300	48.90%	2.794%
69	14.785	1144	1146	1149	rVV2	1083348	1833767	32.93%	1.882%
70	14.899	1153	1156	1159	rVB	221533	308707	5.54%	0.317%
71	15.071	1169	1171	1173	rVB	155218	212791	3.82%	0.218%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.128	1173	1176	1178	rBV	128005	225379	4.05%	0.231%
73	15.357	1193	1196	1199	rVV	252271	473964	8.51%	0.486%
74	15.414	1199	1201	1204	rVV	118457	210120	3.77%	0.216%
75	15.505	1204	1209	1211	rVV3	108881	295231	5.30%	0.303%
76	15.551	1211	1213	1214	rVV2	88104	171263	3.08%	0.176%
77	15.688	1222	1225	1229	rVB	91703	177605	3.19%	0.182%
78	15.848	1234	1239	1241	rBV2	105229	266074	4.78%	0.273%
79	16.100	1257	1261	1263	rBV2	62224	177367	3.19%	0.182%
80	16.305	1276	1279	1286	rVB	1012840	2710331	48.67%	2.781%
81	16.442	1286	1291	1294	rVB2	232216	398744	7.16%	0.409%
82	16.591	1300	1304	1305	rBV3	99429	240228	4.31%	0.246%
83	16.671	1308	1311	1315	rVV	664671	998203	17.93%	1.024%
84	16.751	1315	1318	1321	rVB	937027	1430205	25.68%	1.468%
85	16.820	1321	1324	1326	rBV	647905	937771	16.84%	0.962%
86	16.854	1326	1327	1329	rVV	257855	248955	4.47%	0.255%
87	17.025	1339	1342	1344	rBV3	79093	209533	3.76%	0.215%
88	17.174	1351	1355	1357	rBV2	75876	184030	3.30%	0.189%
89	17.928	1415	1421	1427	rVB6	60028	320670	5.76%	0.329%
90	18.054	1428	1432	1435	rBV3	149433	349555	6.28%	0.359%
91	18.203	1439	1445	1450	rVB2	572627	1214199	21.80%	1.246%
92	18.363	1456	1459	1461	rBV	151744	304023	5.46%	0.312%
93	18.408	1461	1463	1467	rVB	103581	180141	3.23%	0.185%
94	18.568	1474	1477	1483	rBV	447008	912011	16.38%	0.936%
95	18.774	1491	1495	1504	rVB3	153174	486760	8.74%	0.499%
96	20.477	1633	1644	1650	rBV	146944	567489	10.19%	0.582%
97	20.637	1653	1658	1661	rVV	92455	323180	5.80%	0.332%
98	20.694	1661	1663	1672	rVB2	58301	222104	3.99%	0.228%
99	20.912	1677	1682	1698	rVB6	30169	209908	3.77%	0.215%
100	21.472	1727	1731	1739	rVV2	86252	335351	6.02%	0.344%

Sum of corrected areas: 97456607

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
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Sample : G4593-07
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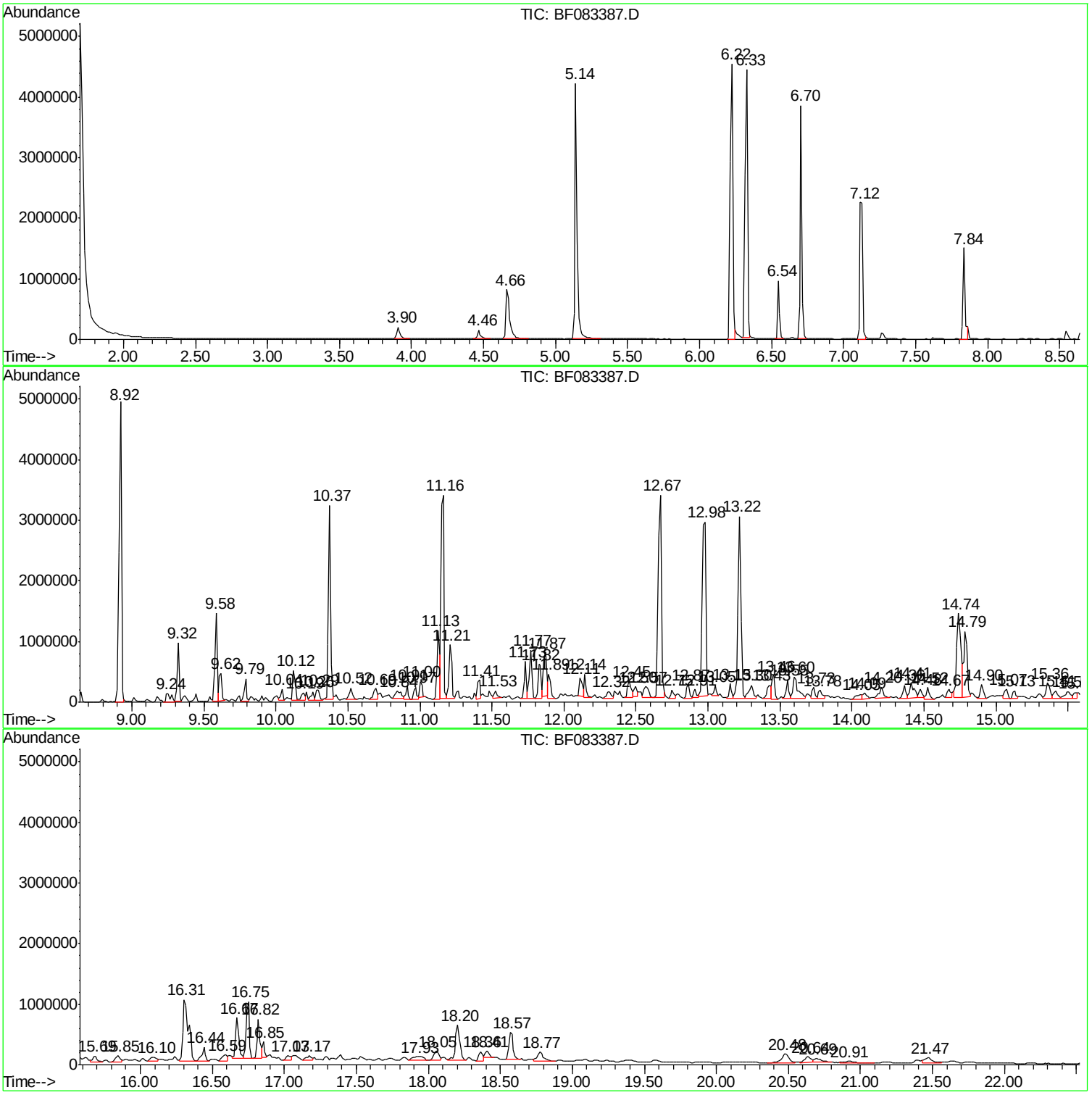
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S18-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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\BF120115\
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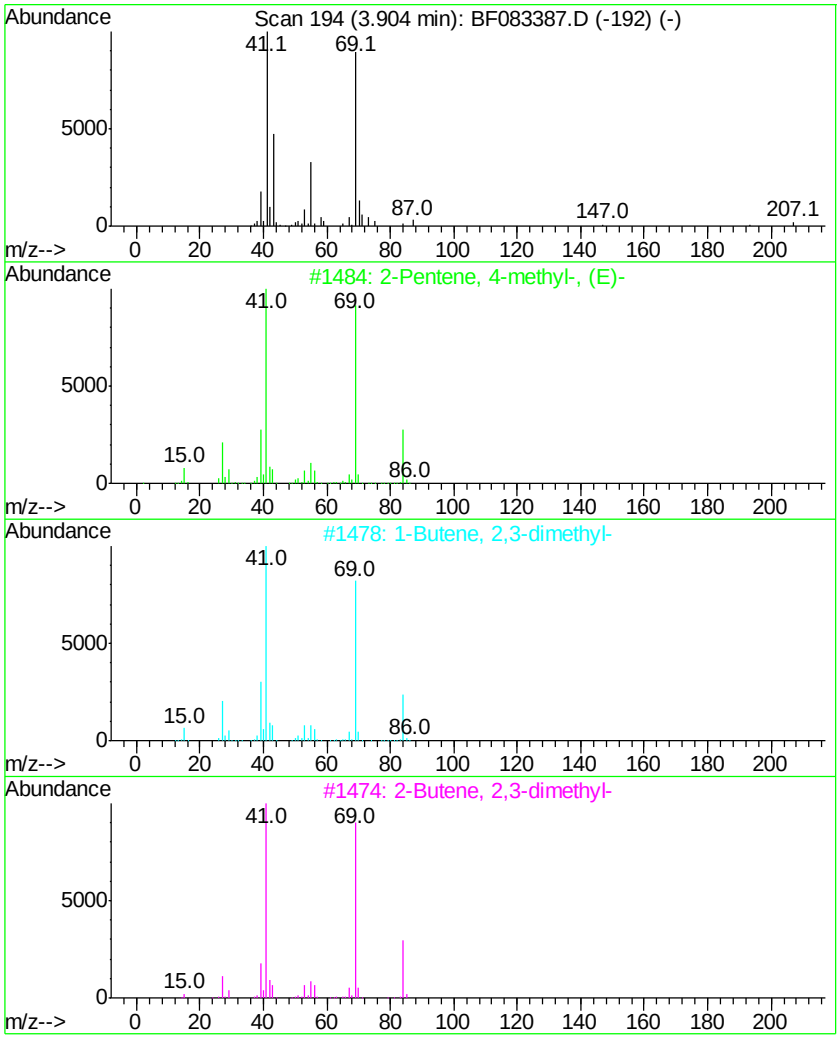
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

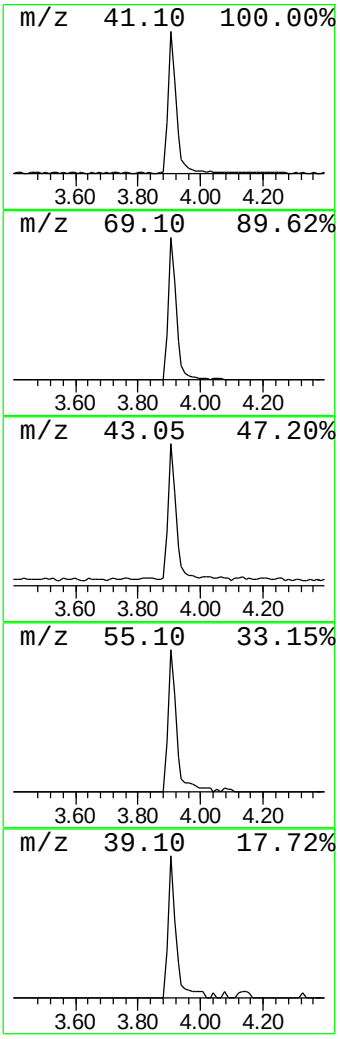
****

Peak Number 1 2-Pentene, 4-methyl-, (E)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	6.94 ng	342170	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	72
2	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	72
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	72
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	72
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083387.D
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Sample : G4593-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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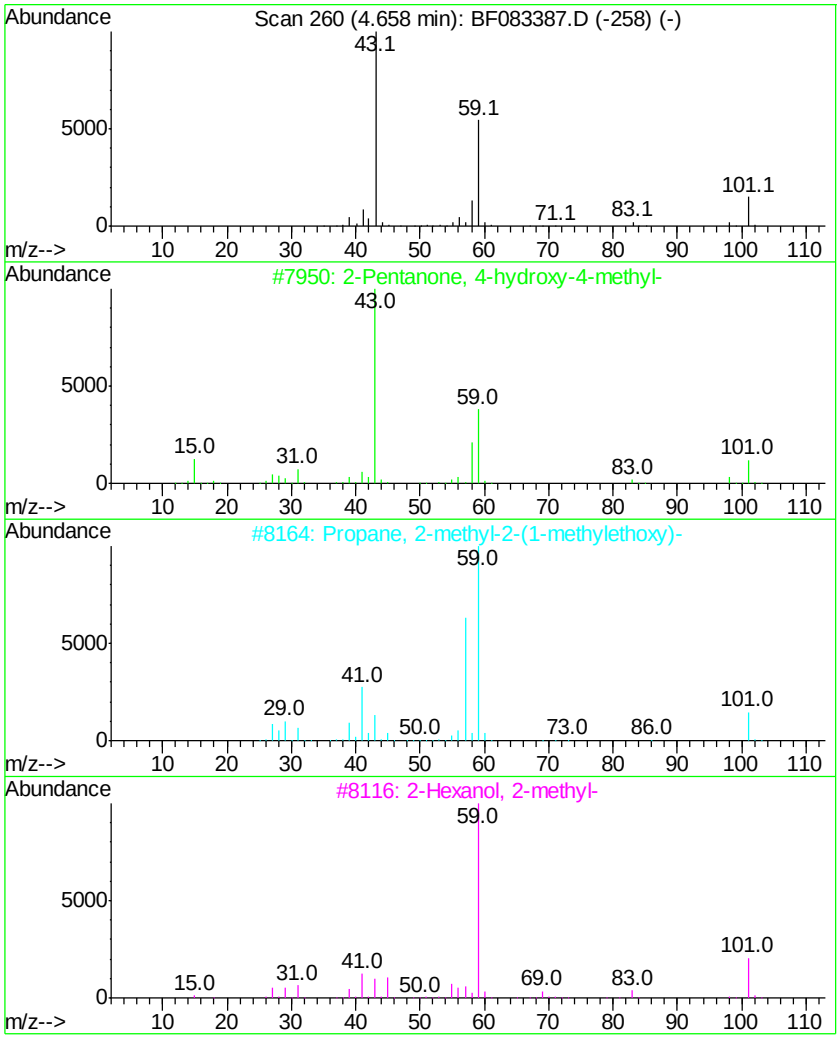
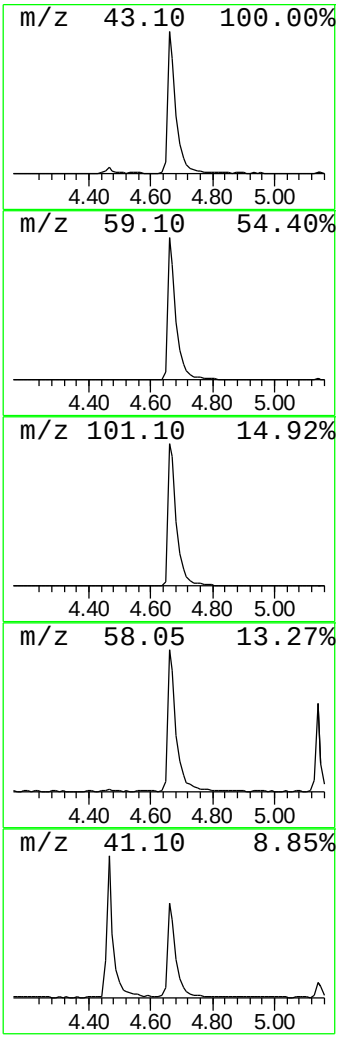
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	30.94 ng	1525270	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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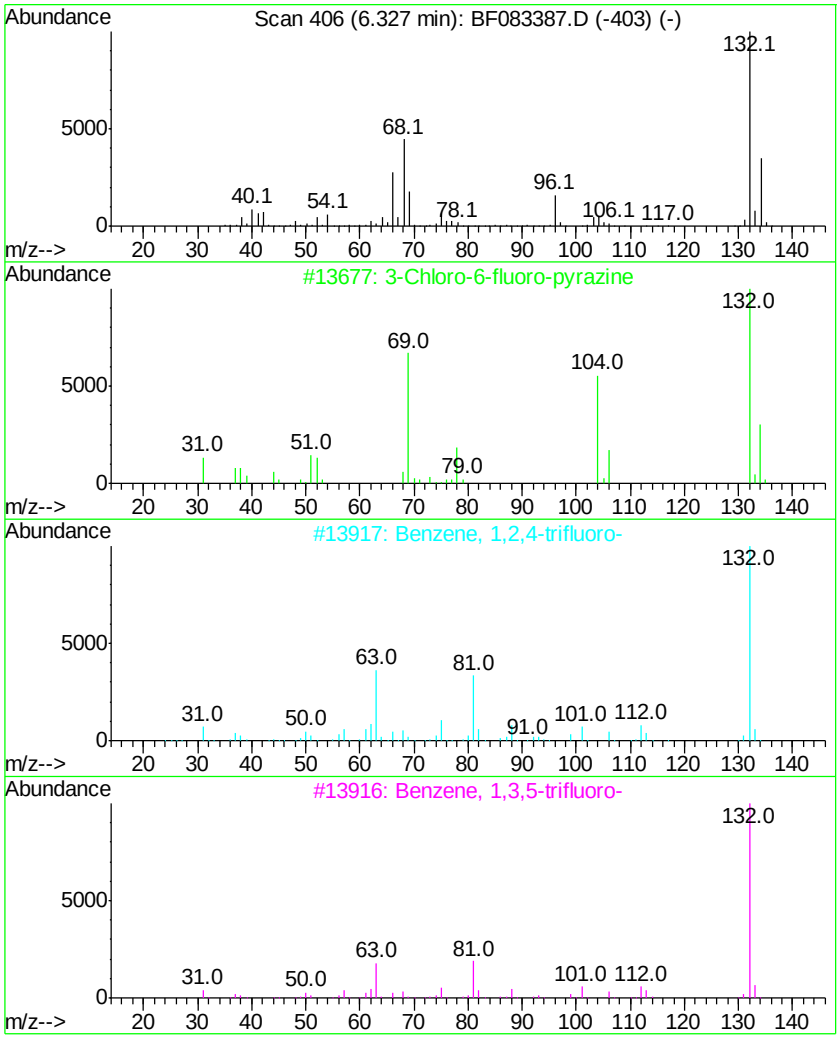
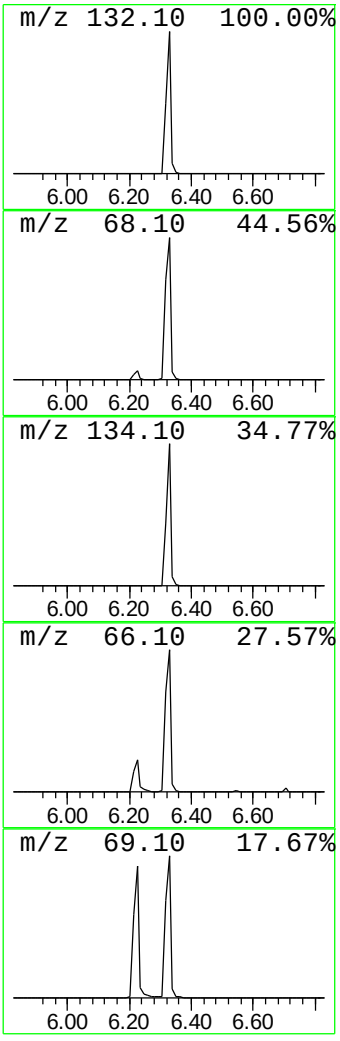
Peak Number 3 unknown6.33 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	103.13 ng	5084460	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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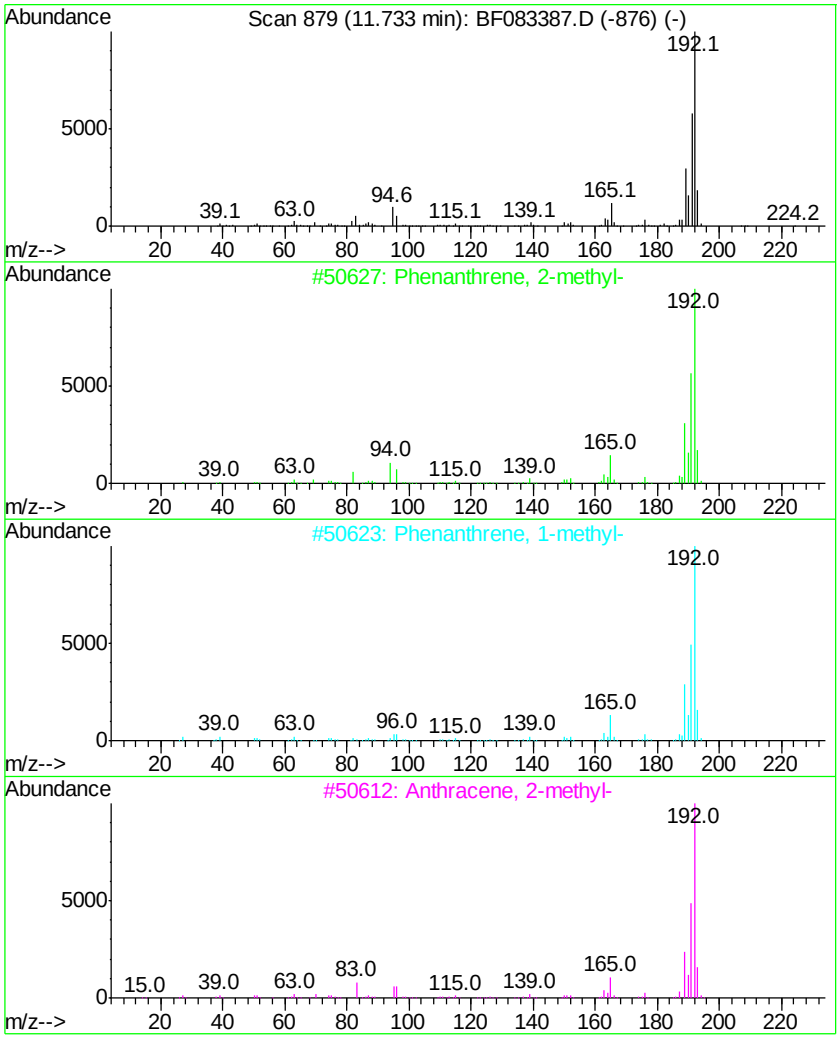
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

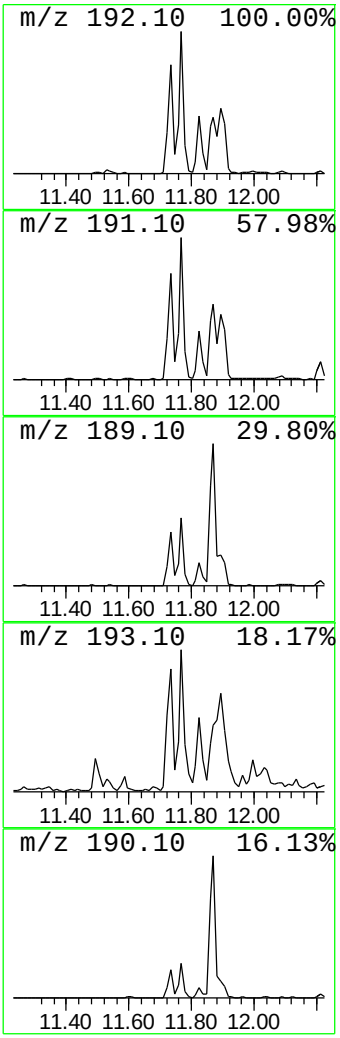
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	8.00 ng	685085	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : UM/IZ
Sample : G4593-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

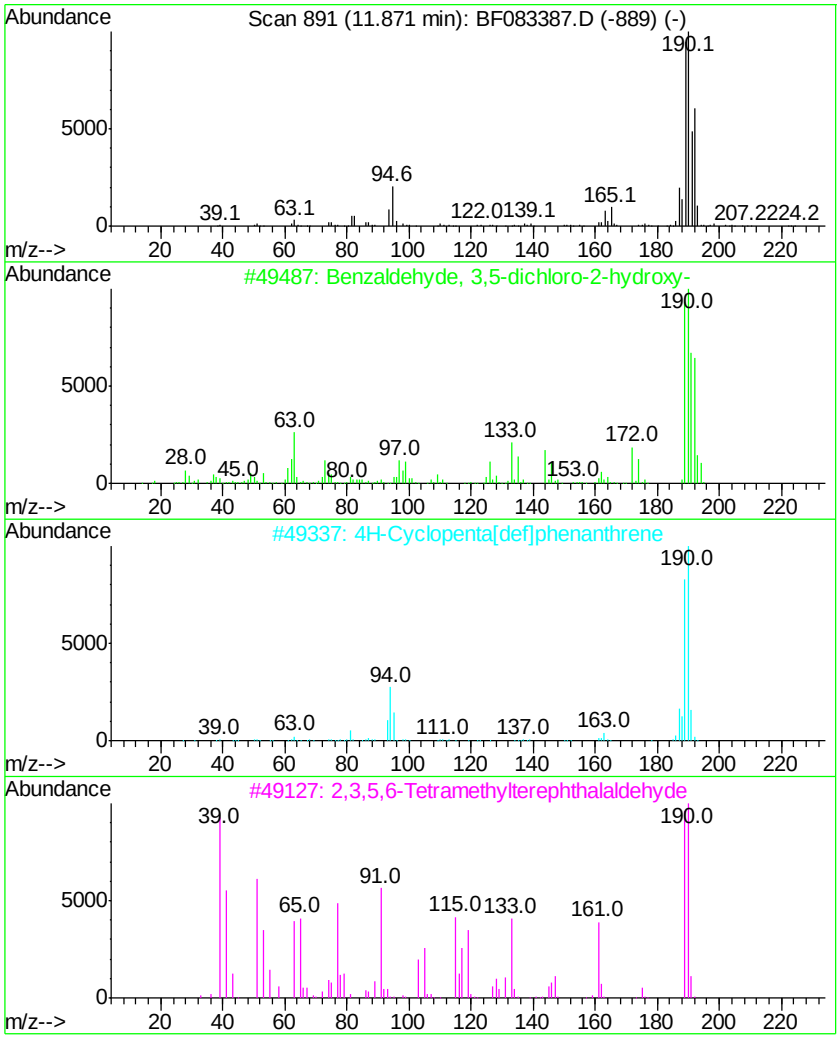
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

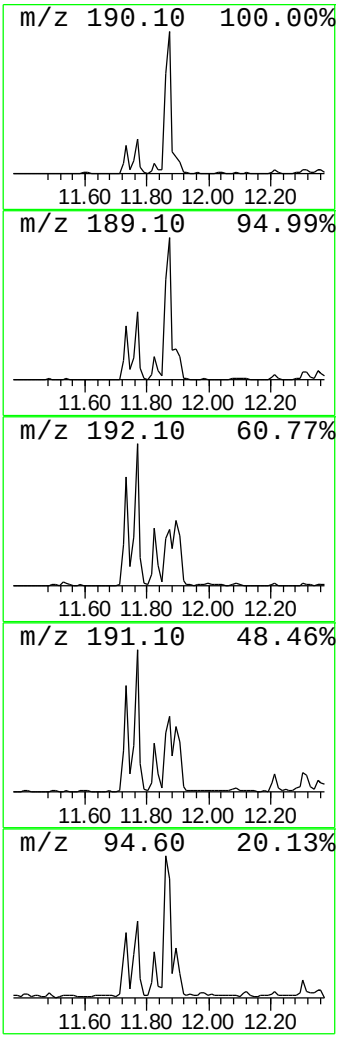
****

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	12.49 ng	1069940	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083387.D
Acq On : 1 Dec 2015 22:28
Operator : UM/IZ
Sample : G4593-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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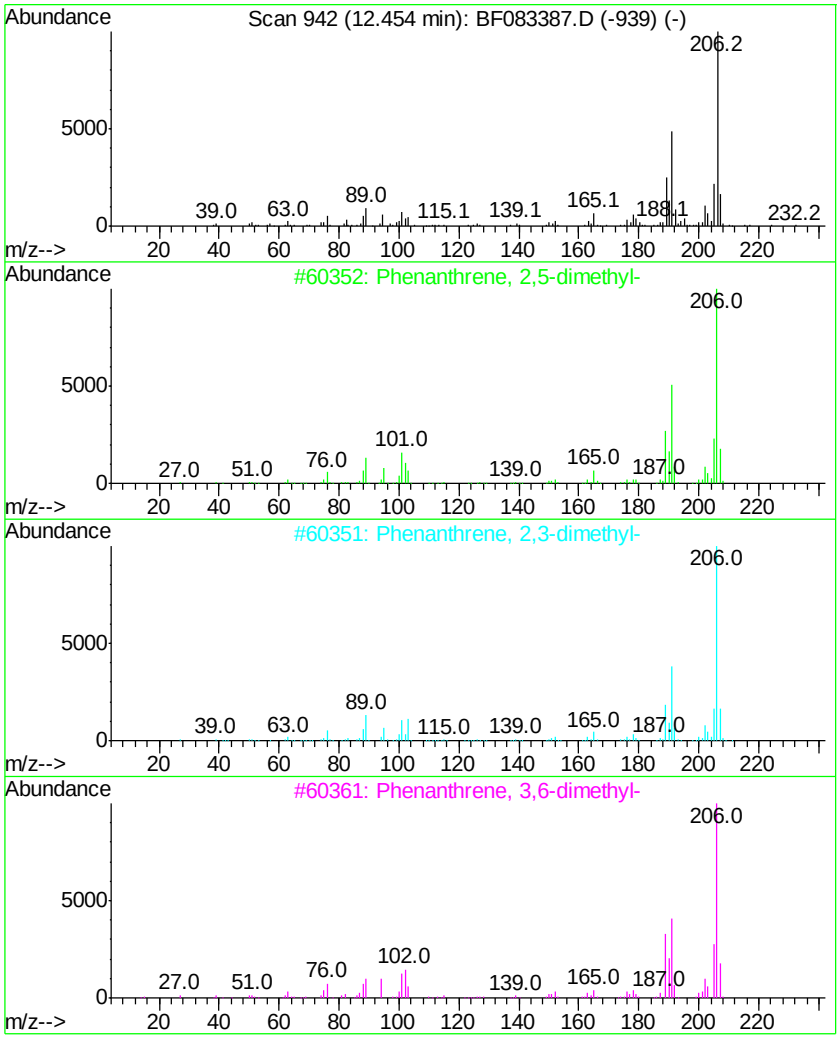
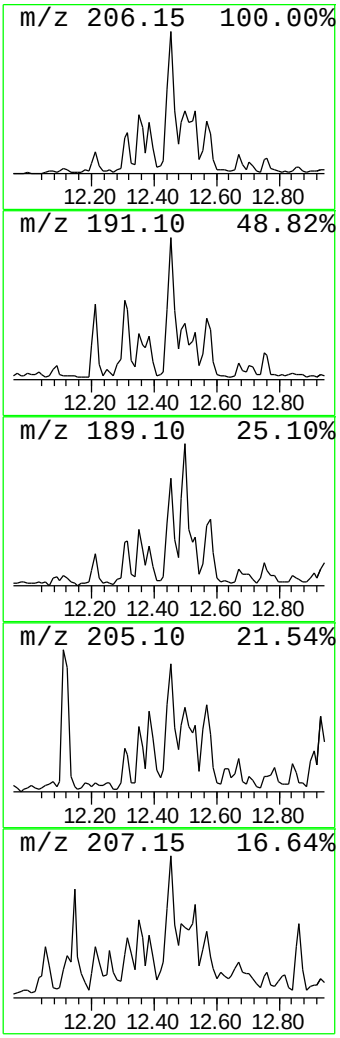
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.77 ng	494537	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Misc :
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Instrument : BNA_F
ClientSampleId : S18-15

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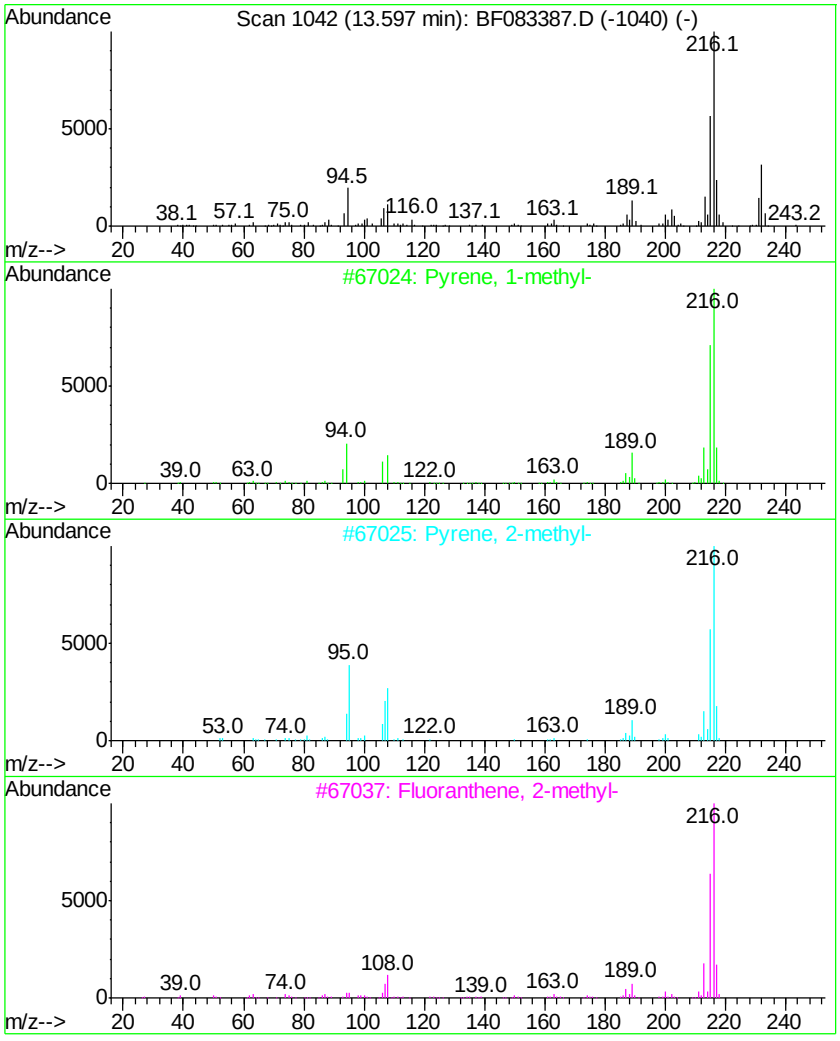
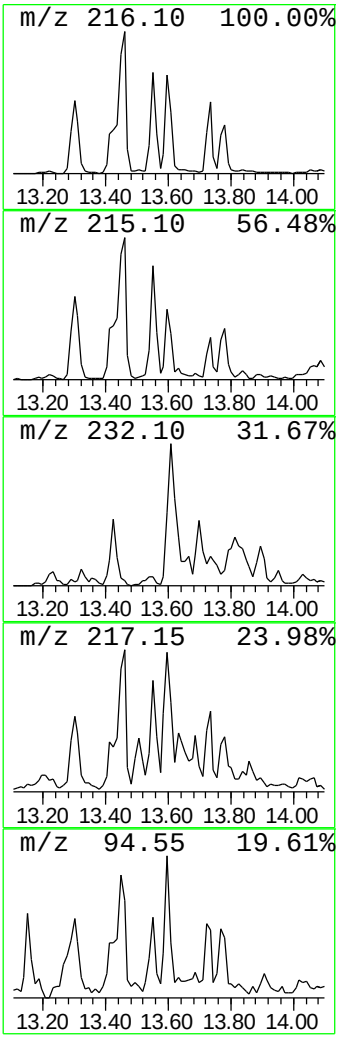
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	6.02 ng	819369	Chrysene-d12	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

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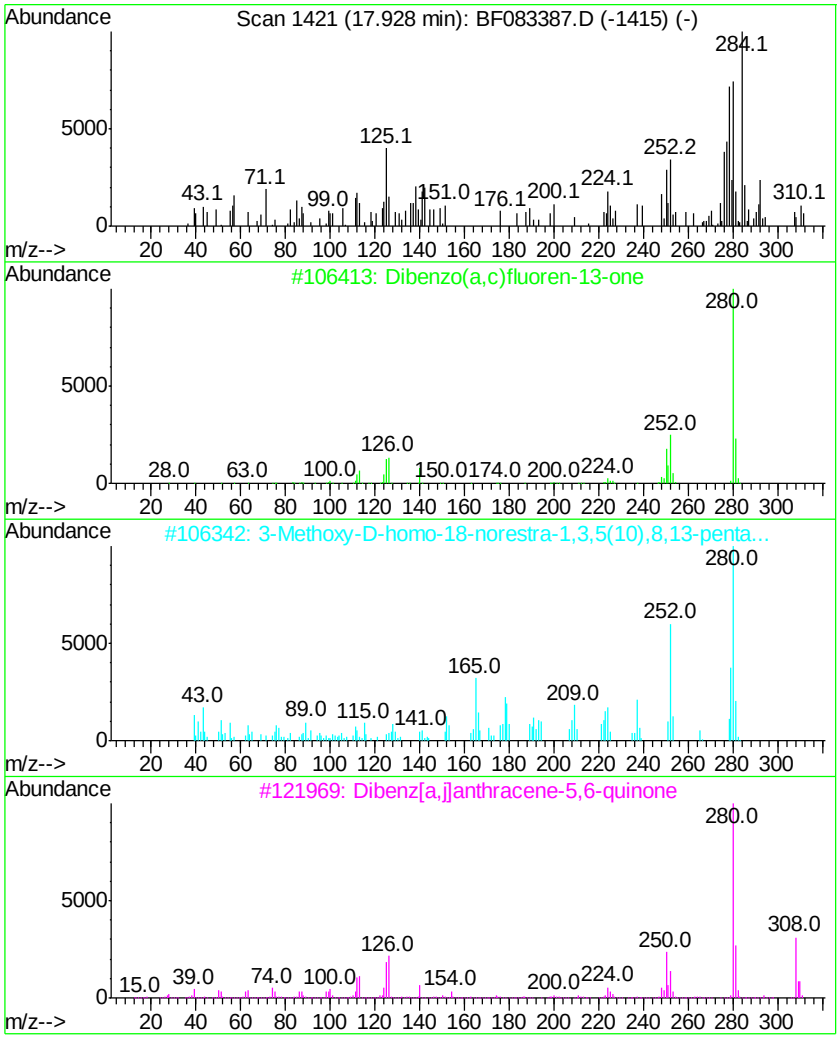
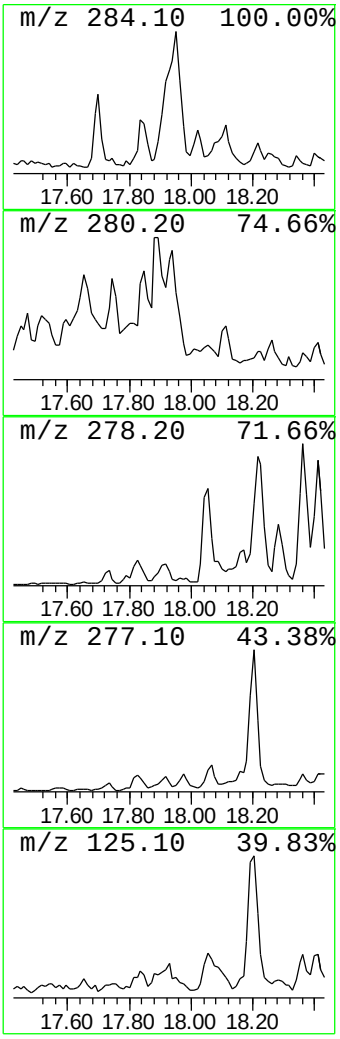
Peak Number 14 Dibenzo(a,c)fluoren-13-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	6.84 ng	320670	Perylene-d12	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	51
2	3-Methoxy-D-homo-18-norestra-1,3...	280	C19H20O2	021070-83-7	20
3	Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	20
4	4-Isothiazolecarbonitrile, 3-(p-...	278	C11H7BrN2S	019762-79-9	18
5	Naphtho[2,3-d]thiazol-2-amine, 4...	278	C11H7BrN2S	1000270-99-8	18





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Operator : UM/IZ
Sample : G4593-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S18-15

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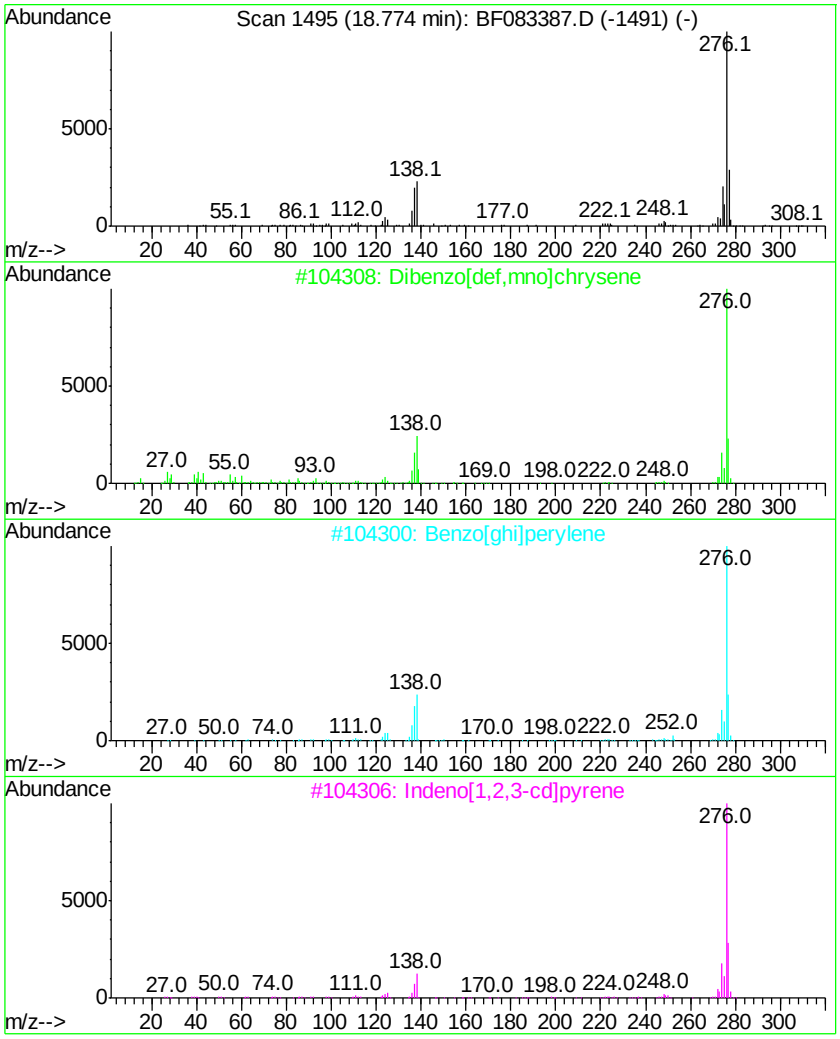
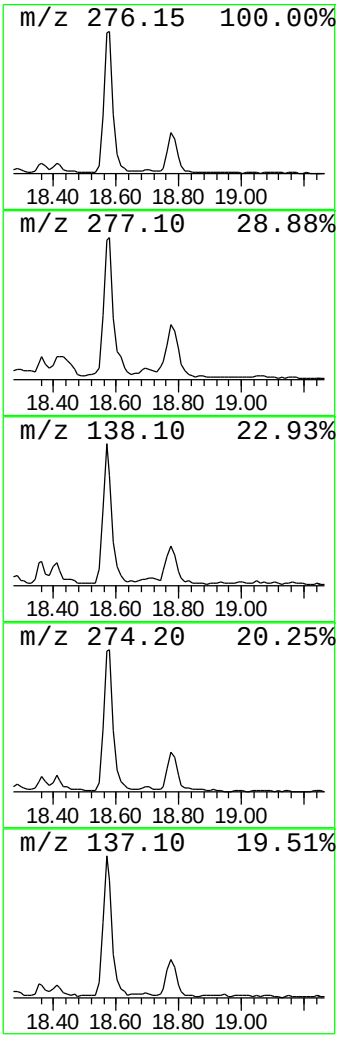
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	10.38 ng	486760	Perylene-d12	16.82

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	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
5	1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	50





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ClientSampleId : S18-15

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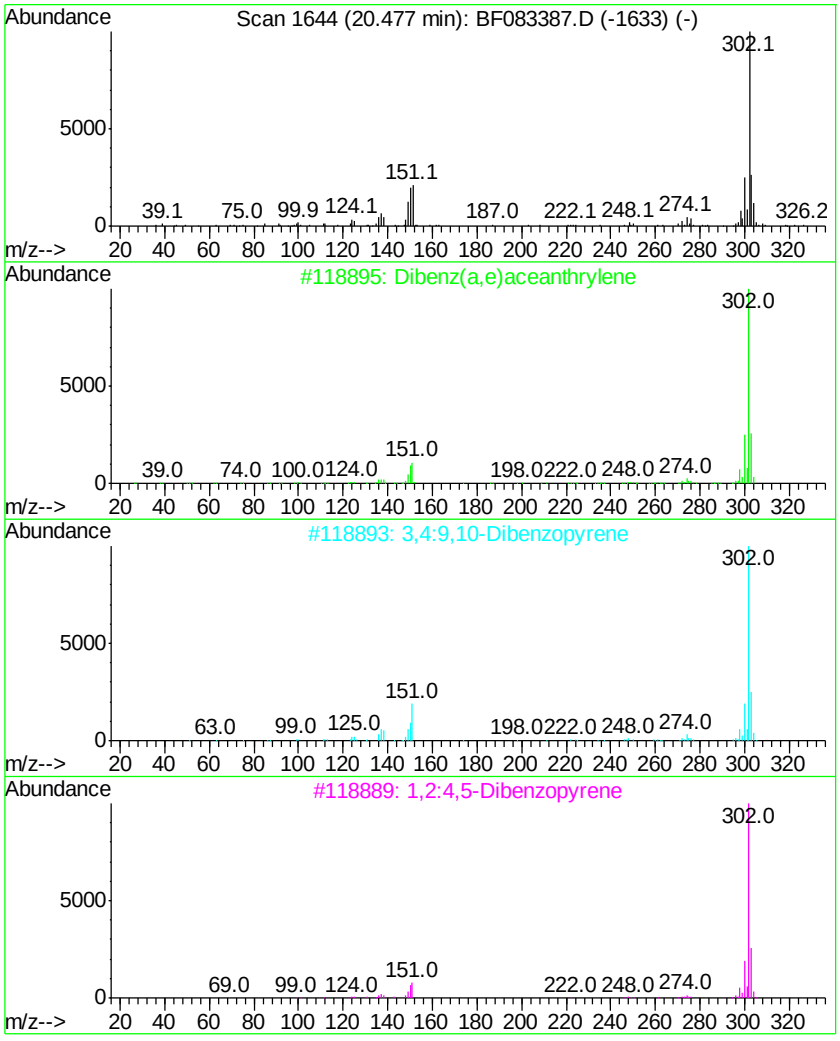
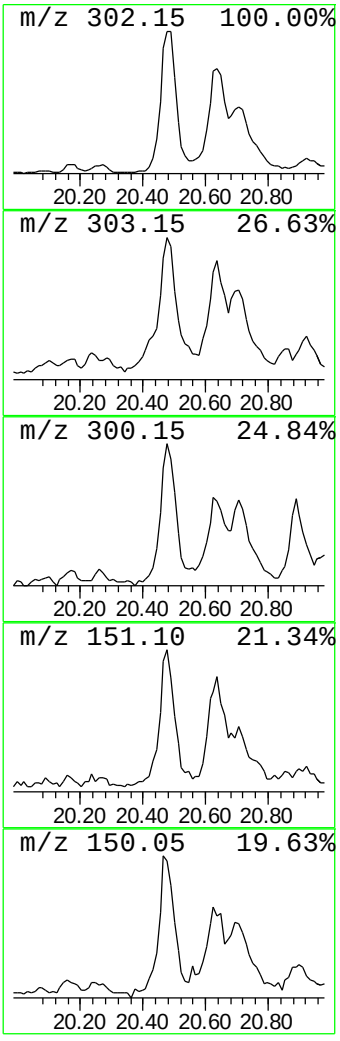
Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	12.10 ng	567489	Perylene-d12	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95





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Instrument : BNA_F
ClientSampleId : S18-15

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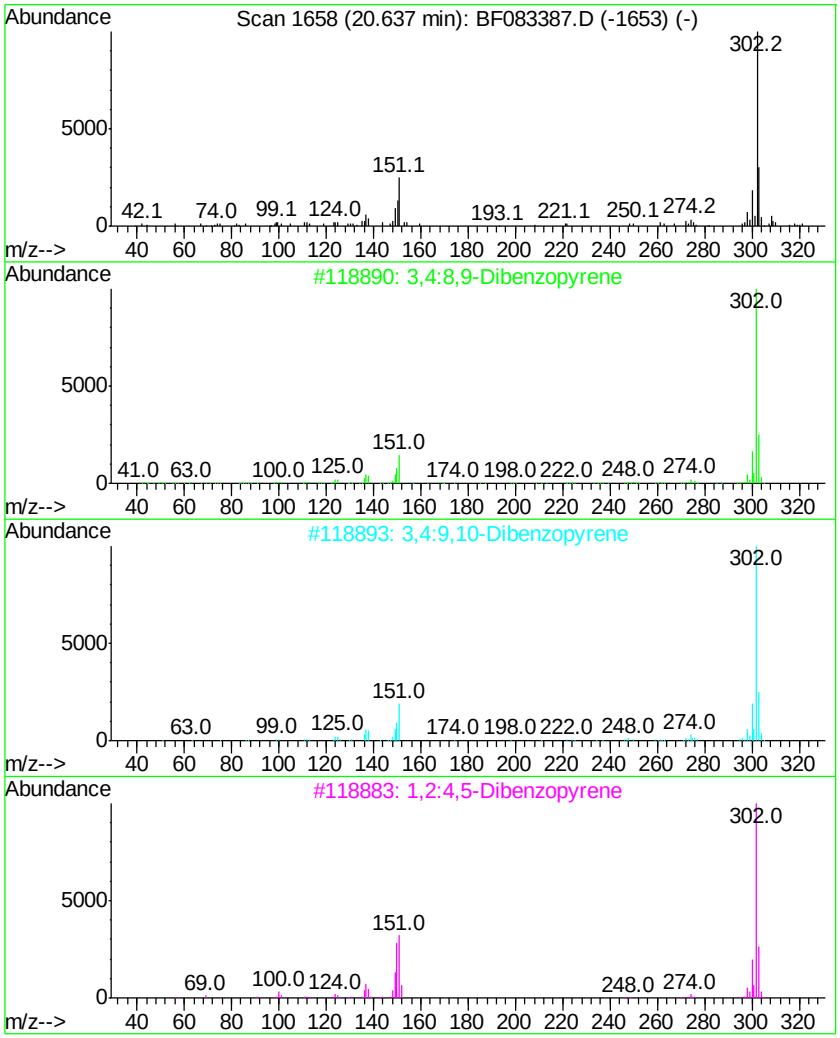
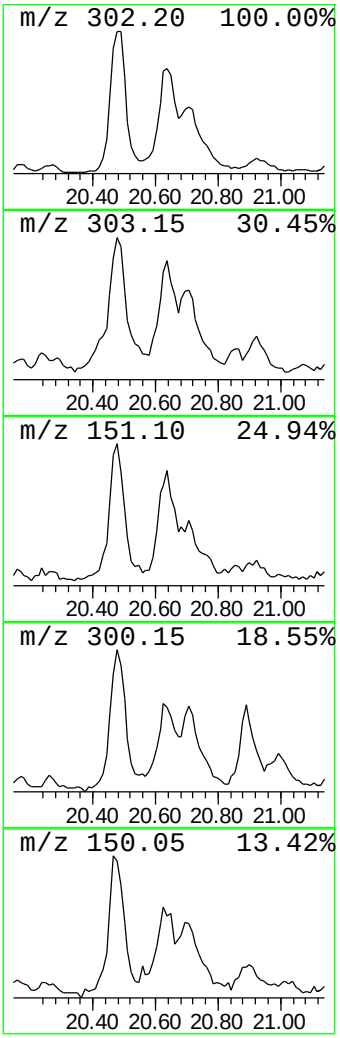
Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	6.89 ng	323180	Perylene-d12	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86





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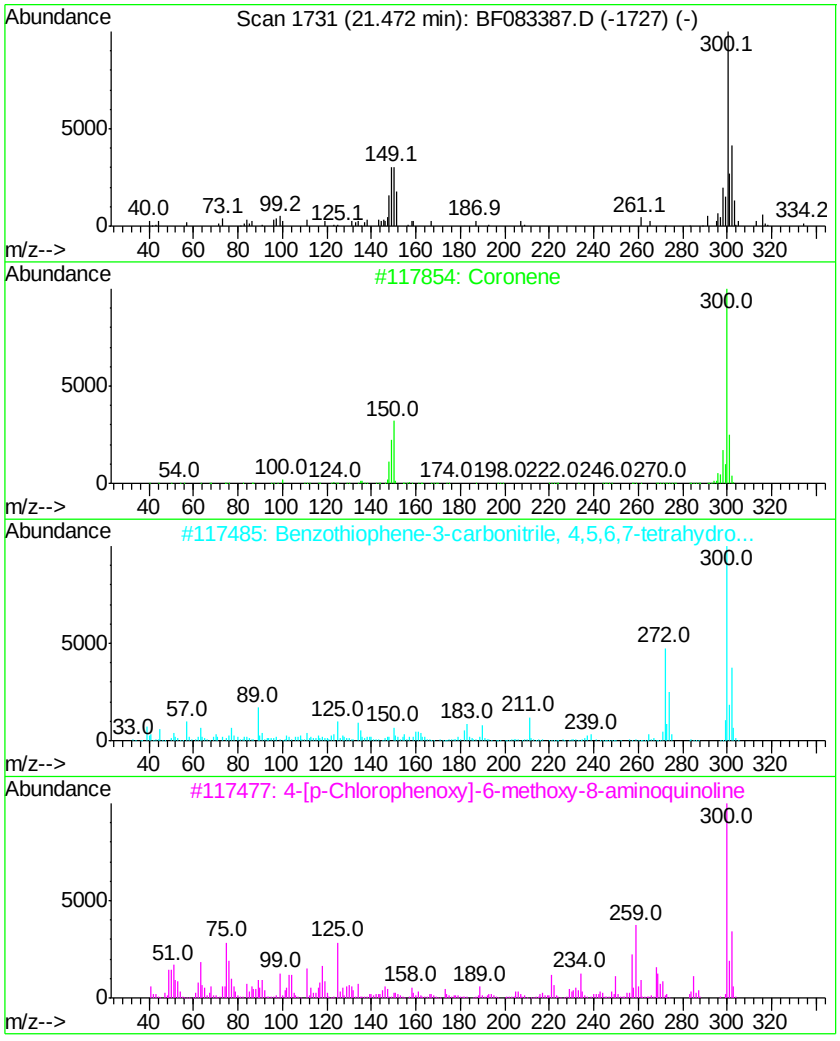
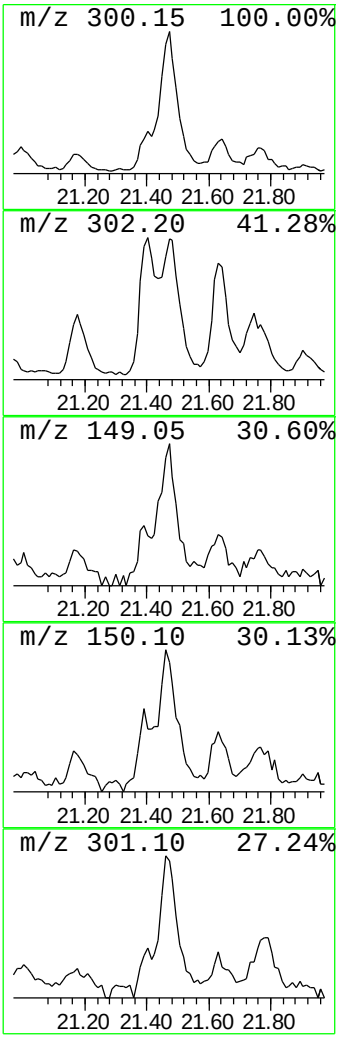
Peak Number 20 Coronene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	7.15 ng	335351	Perylene-d12	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	70
2	Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	53
3	4-[p-Chlorophenoxyl-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	50
4	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	32
5	Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	25





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentene, 4-meth...	3.90	6.9	ng	342170	1	6.54	986025	20.0
2-Pentanone, 4-hy...	4.66	30.9	ng	1525270	1	6.54	986025	20.0
unknown6.33	6.33	103.1	ng	5084460	1	6.54	986025	20.0
Phenanthrene, 2-m...	11.73	8.0	ng	685085	4	11.13	1713260	20.0
Benzaldehyde, 3,5...	11.87	12.5	ng	1069940	4	11.13	1713260	20.0
Phenanthrene, 2,5...	12.45	5.8	ng	494537	4	11.13	1713260	20.0
Pyrene, 1-methyl-	13.60	6.0	ng	819369	5	14.75	2723300	20.0
Dibenzo(a,c)fluor...	17.93	6.8	ng	320670	6	16.82	937771	20.0
Dibenzo[def,mno]c...	18.77	10.4	ng	486760	6	16.82	937771	20.0
Dibenz(a,e)aceant...	20.48	12.1	ng	567489	6	16.82	937771	20.0
3,4:8,9-Dibenzopy...	20.64	6.9	ng	323180	6	16.82	937771	20.0
Coronene	21.47	7.2	ng	335351	6	16.82	937771	20.0