LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
Data File : BF086187.D
Acq On : 9 Apr 2016 00:09
Operator : UM/SJ
Sample : H2283-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B9-COMP

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-BF040216.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	4.899	244	246	257	rVB	257120	468882	13.11%	0.915%
2	5.333	281	284	286	rBV	2472902	3003265	83.99%	5.863%
3	5.733	315	319	321	rBV3	32741	61852	1.73%	0.121%
4	6.373	373	375	378	rBV	1970252	3034118	84.85%	5.923%
5	6.499	383	386	388	rVV	3003120	3071616	85.90%	5.996%
6	6.545	388	390	394	rVB2	37895	80870	2.26%	0.158%
7	6.727	404	406	409	rBV	743726	732183	20.48%	1.429%
8	6.887	417	420	422	rBV	1894838	2561532	71.64%	5.000%
9	7.299	454	456	458	rBV	1884698	1958044	54.76%	3.822%
10	7.333	458	459	461	rVV	71856	61379	1.72%	0.120%
11	7.756	493	496	500	rBV3	28739	73450	2.05%	0.143%
12	8.008	516	518	523	rBV	848238	1050545	29.38%	2.051%
13	8.442	553	556	557	rBV	74377	89678	2.51%	0.175%
14	8.602	569	570	573	rBV	68685	99793	2.79%	0.195%
15	8.728	580	581	583	rVB	104931	75150	2.10%	0.147%
16	8.819	587	589	594	rVB	97117	127121	3.56%	0.248%
17	9.093	610	613	615	rBV	3299669	3575710	100.00%	6.980%
18	9.173	617	620	622	rBV	152989	162801	4.55%	0.318%
19	9.356	634	636	638	rBV	61722	84691	2.37%	0.165%
20	9.425	640	642	643	rBV	155378	151174	4.23%	0.295%
21	9.448	643	644	646	rVV	84218	87198	2.44%	0.170%
22	9.482	646	647	650	rVV	452891	574211	16.06%	1.121%
23	9.539	650	652	656	rVB2	82040	121781	3.41%	0.238%
24	9.619	657	659	662	rVB2	45144	61638	1.72%	0.120%
25	9.699	664	666	668	rVB	226162	174417	4.88%	0.340%
26	9.756	669	671	673	rBV	672850	898759	25.14%	1.754%
27	9.791	673	674	676	rVB	116467	123953	3.47%	0.242%
28	9.916	683	685	687	rBV3	46407	85007	2.38%	0.166%
29	9.962	687	689	692	rBV2	69397	84048	2.35%	0.164%
30	10.008	692	693	696	rVB2	73025	91174	2.55%	0.178%
31	10.076	698	699	701	rBV	69133	79760	2.23%	0.156%
32	10.168	705	707	708	rBV	98605	117085	3.27%	0.229%
33	10.202	708	710	711	rVB2	140317	191464	5.35%	0.374%
34	10.305	717	719	722	rBV	135277	158929	4.44%	0.310%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.419	726	729	732	rBV2	97685	121485	3.40%	0.237%
36	10.465	732	733	735	rVB	101934	96644	2.70%	0.189%
37	10.556	738	741	743	rBV	1732356	1888680	52.82%	3.687%
38	10.671	749	751	755	rVB	270640	411178	11.50%	0.803%
39	10.854	764	767	769	rBV3	66970	121094	3.39%	0.236%
40	10.991	776	779	783	rBV4	71075	172354	4.82%	0.336%
41	11.059	783	785	787	rBV	69181	62955	1.76%	0.123%
42	11.116	787	790	791	rBV3	181760	243790	6.82%	0.476%
43	11.139	791	792	796	rVB	129603	161792	4.52%	0.316%
44	11.265	799	803	805	rBV2	1202151	2090216	58.46%	4.080%
45	11.322	805	808	810	rVB	278549	250698	7.01%	0.489%
46	11.356	810	811	814	rVB2	46906	62808	1.76%	0.123%
47	11.425	814	817	820	rVB4	33714	80813	2.26%	0.158%
48	11.482	820	822	825	rBV3	85881	181057	5.06%	0.353%
49	11.539	825	827	828	rVB	184171	130561	3.65%	0.255%
50	11.574	828	830	834	rVB4	61877	106825	2.99%	0.209%
51	11.745	843	845	846	rBV	379057	318029	8.89%	0.621%
52	11.779	846	848	850	rVB	521527	574246	16.06%	1.121%
53	11.825	850	852	853	rVB	91281	81967	2.29%	0.160%
54	11.859	853	855	859	rVB2	473300	798282	22.33%	1.558%
55	11.951	859	863	864	rBV2	104771	166348	4.65%	0.325%
56	12.042	868	871	872	rBV	180357	176003	4.92%	0.344%
57	12.076	872	874	876	rVB	140923	137806	3.85%	0.269%
58	12.191	881	884	885	rBV2	141186	174211	4.87%	0.340%
59	12.225	885	887	891	rVB2	97233	166547	4.66%	0.325%
60	12.294	891	893	895	rBV	311934	345500	9.66%	0.674%
61	12.328	895	896	899	rVB2	186805	282625	7.90%	0.552%
62	12.385	899	901	905	rVB3	159314	216444	6.05%	0.423%
63	12.454	905	907	910	rBV	1505709	1720759	48.12%	3.359%
64	12.522	910	913	915	rVB2	62571	102093	2.86%	0.199%
65	12.568	915	917	919	rBV3	144994	207540	5.80%	0.405%
66	12.602	919	920	922	rVB2	99186	100961	2.82%	0.197%
67	12.682	924	927	930	rBV	1599447	2024889	56.63%	3.953%
68	12.739	930	932	934	rVB2	119596	146628	4.10%	0.286%
69	12.831	937	940	942	rBV	2735592	2650330	74.12%	5.174%
70	12.899	944	946	950	rBV3	167512	327864	9.17%	0.640%
71	13.014	952	956	958	rVB	330741	497633	13.92%	0.971%

LSC Area Percent Report

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Integration Parameters: rteint.p
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72	13.082	958	962	963	rBV2	199746	321164	8.98%	0.627%
73	13.117	963	965	969	rBV2	276600	336882	9.42%	0.658%
74	13.208	972	973	974	rBV	193239	143123	4.00%	0.279%
75	13.242	974	976	977	rBV	153948	130026	3.64%	0.254%
76	13.311	980	982	985	rVB3	65214	138279	3.87%	0.270%
77	13.402	985	990	992	rBV4	130921	295867	8.27%	0.578%
78	13.437	992	993	997	rVB2	100145	131551	3.68%	0.257%
79	13.528	997	1001	1005	rBV2	201581	363239	10.16%	0.709%
80	13.631	1008	1010	1013	rBV2	185720	355244	9.93%	0.693%
81	13.688	1013	1015	1018	rVV3	65837	137630	3.85%	0.269%
82	13.734	1018	1019	1024	rVB	156217	221612	6.20%	0.433%
83	13.882	1029	1032	1033	rBV2	939694	1579009	44.16%	3.082%
84	13.985	1039	1041	1043	rVB2	136153	132959	3.72%	0.260%
85	14.042	1044	1046	1048	rBV2	95010	134415	3.76%	0.262%
86	14.271	1064	1066	1067	rVB	218487	182880	5.11%	0.357%
87	14.305	1067	1069	1070	rVB	102309	83886	2.35%	0.164%
88	14.351	1070	1073	1075	rBV4	129084	206081	5.76%	0.402%
89	14.397	1075	1077	1080	rVB2	122409	207401	5.80%	0.405%
90	14.625	1095	1097	1100	rBV	478244	604607	16.91%	1.180%
91	14.751	1106	1108	1111	rBV2	93832	151204	4.23%	0.295%
92	14.888	1118	1120	1124	rBV	592003	1131980	31.66%	2.210%
93	14.991	1127	1129	1131	rBV	123640	151960	4.25%	0.297%
94	15.163	1142	1144	1147	rBV	362326	479795	13.42%	0.937%
95	15.220	1147	1149	1152	rVV	457206	697964	19.52%	1.362%
96	15.277	1152	1154	1160	rVB2	430278	826718	23.12%	1.614%
97	15.677	1187	1189	1191	rBV2	69365	117522	3.29%	0.229%
98	16.614	1268	1271	1282	rVB	226979	623726	17.44%	1.218%
99	16.774	1282	1285	1288	rBV	88662	190361	5.32%	0.372%
100	17.026	1303	1307	1312	rVB	159078	377542	10.56%	0.737%

Sum of corrected areas: 51227560

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ALS Vial : 26 Sample Multiplier: 1

Instrument :
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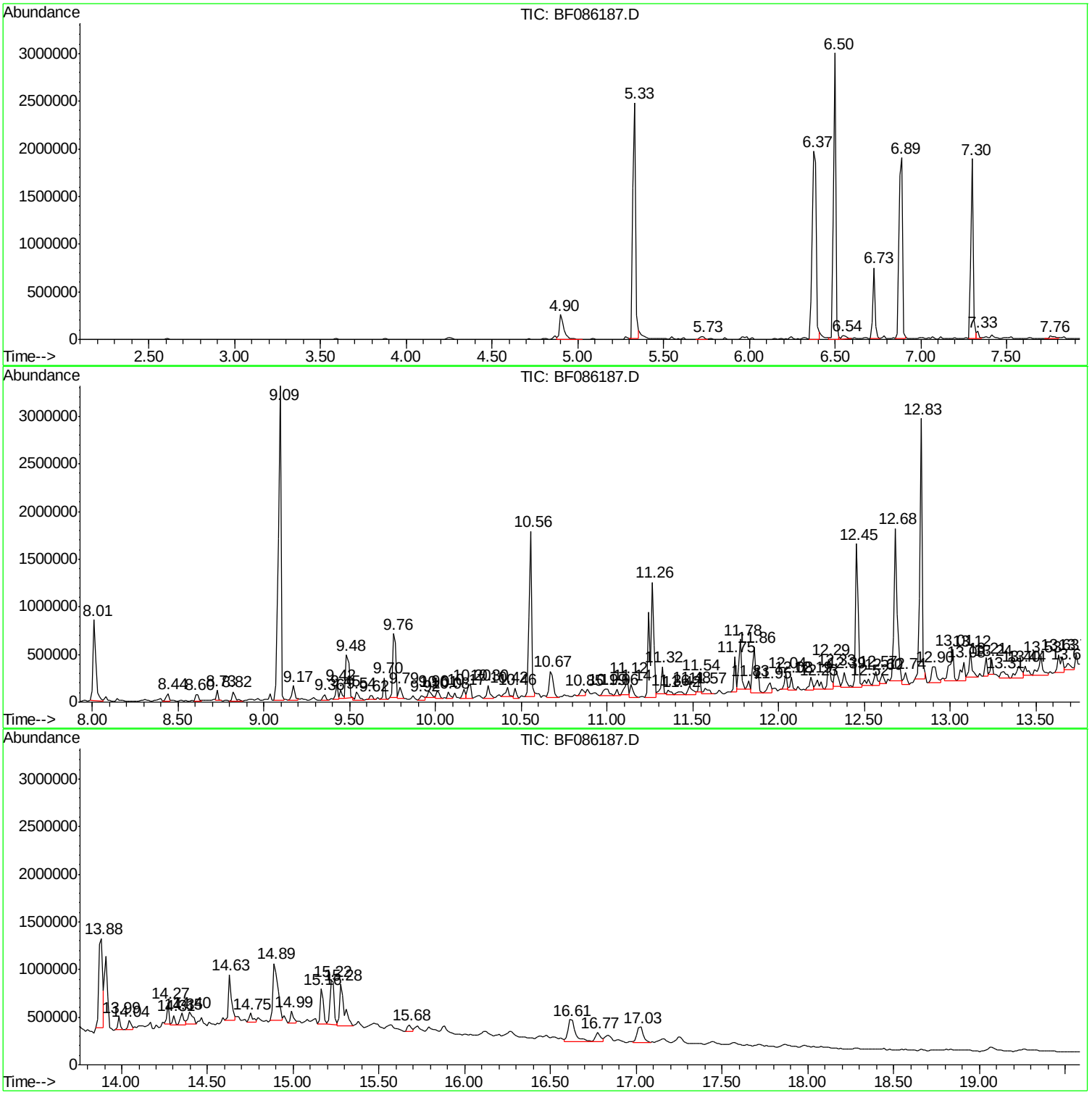
B9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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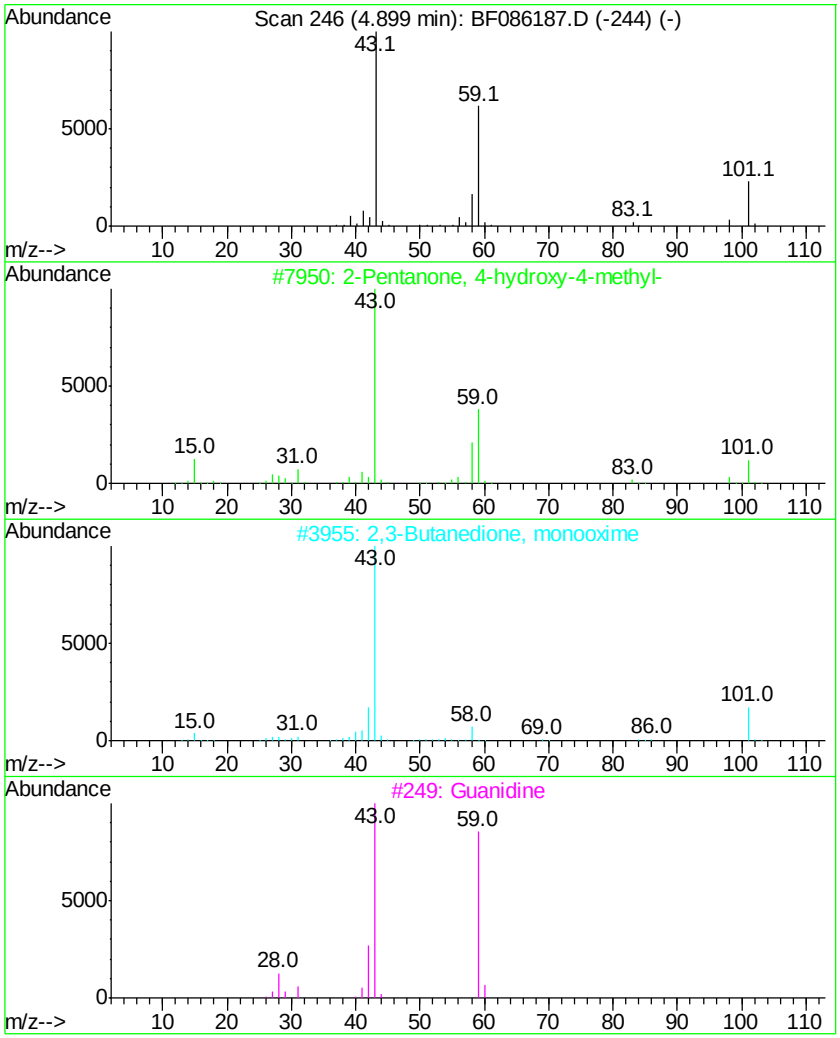
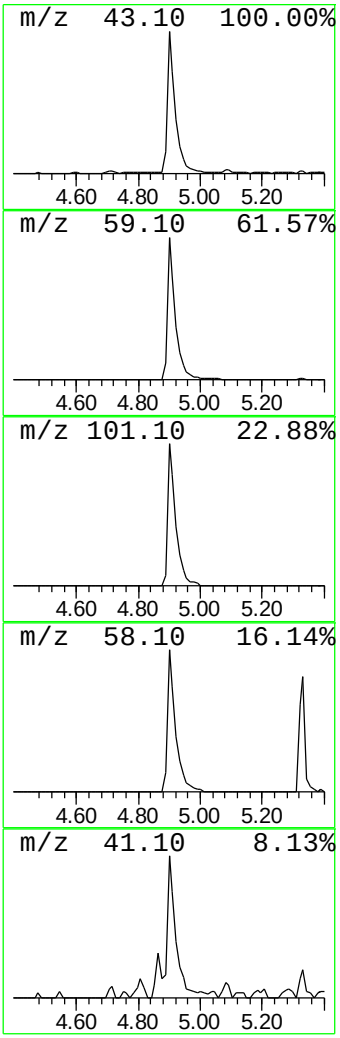
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	12.81 ng	468882	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Guanidine	59	CH5N3	000113-00-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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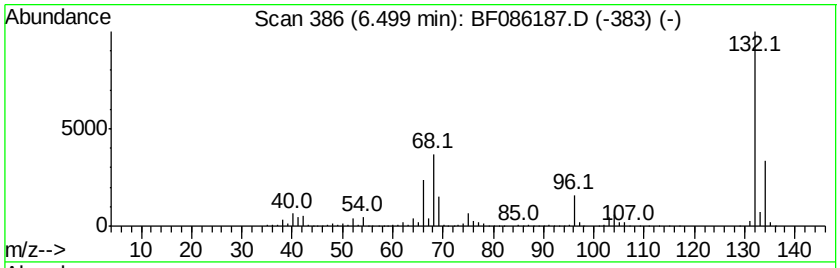
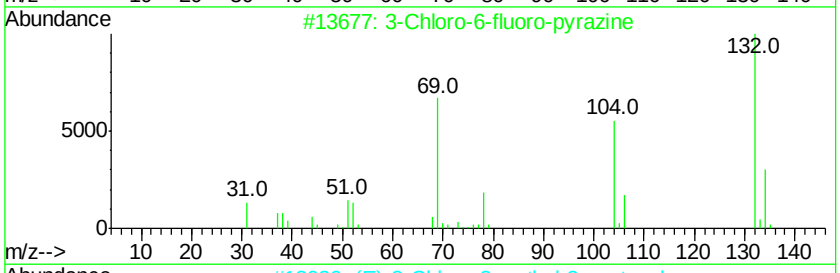
****

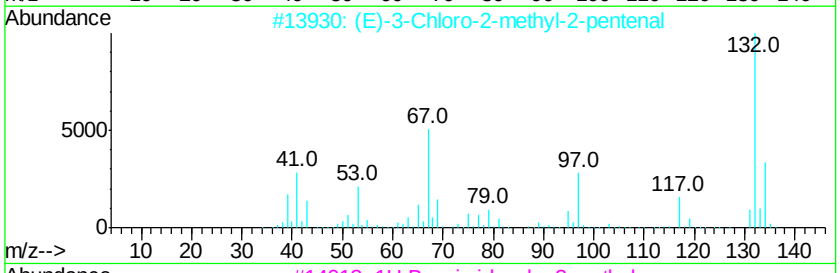
Peak Number 2 unknown6.50 Concentration Rank 1

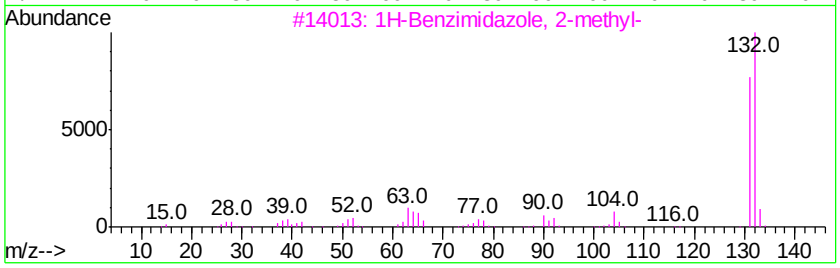
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	83.90 ng	3071620	1,4-Dichlorobenzene-d4	6.73

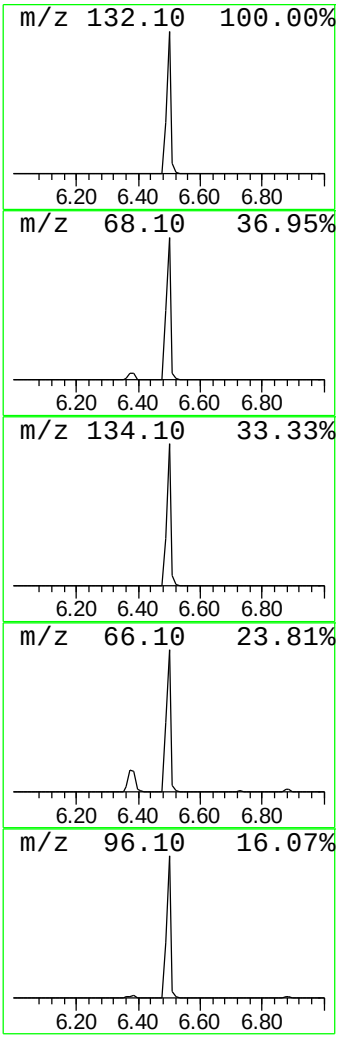
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9











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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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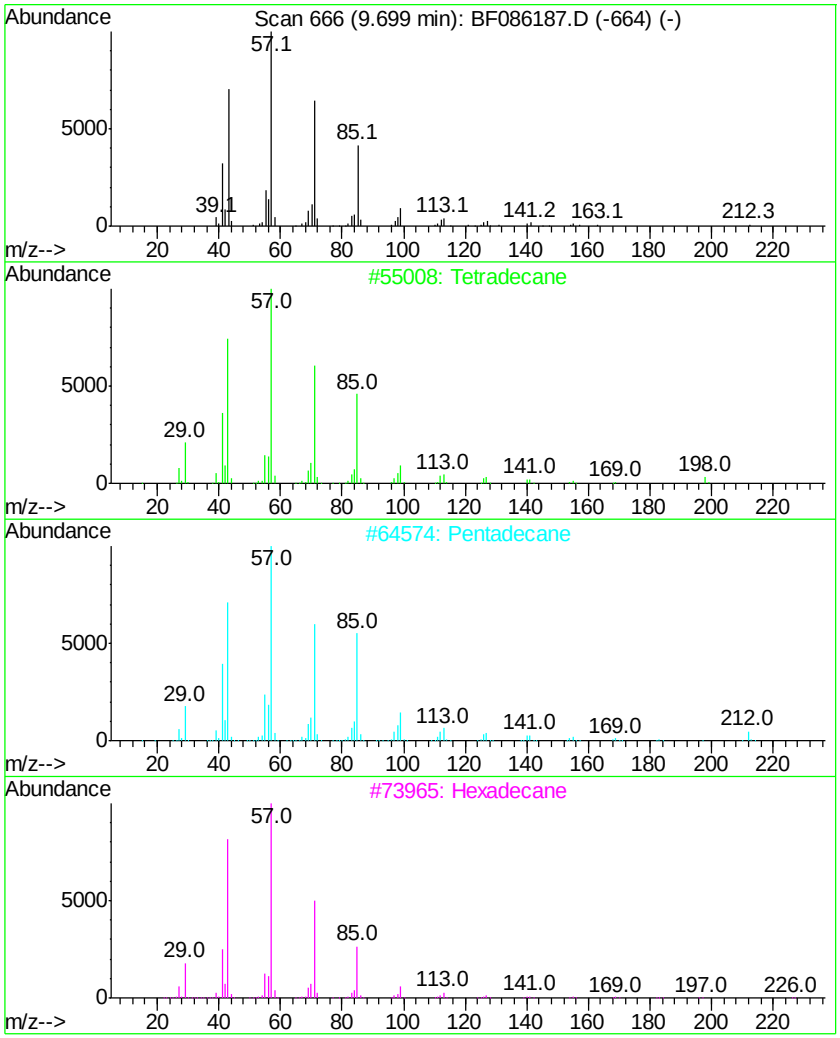
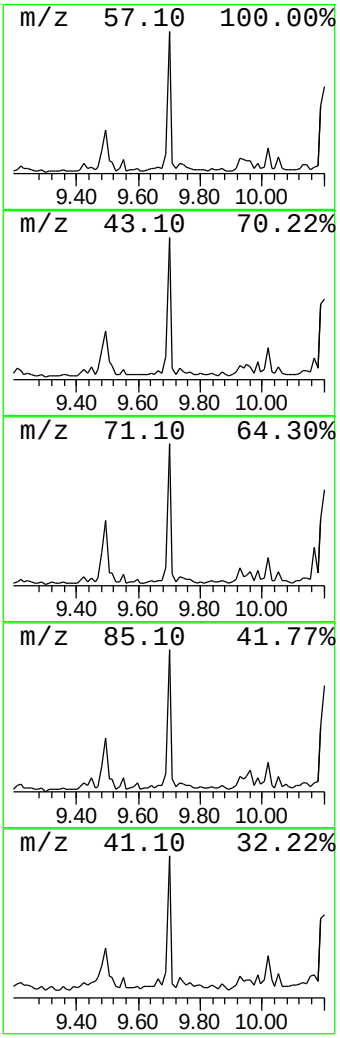
Peak Number 4 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	3.88 ng	174417	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexadecane	226	C16H34	000544-76-3	80
4	Tridecane	184	C13H28	000629-50-5	72
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72





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TIC Library : C:\DATABASE\NIST02.L
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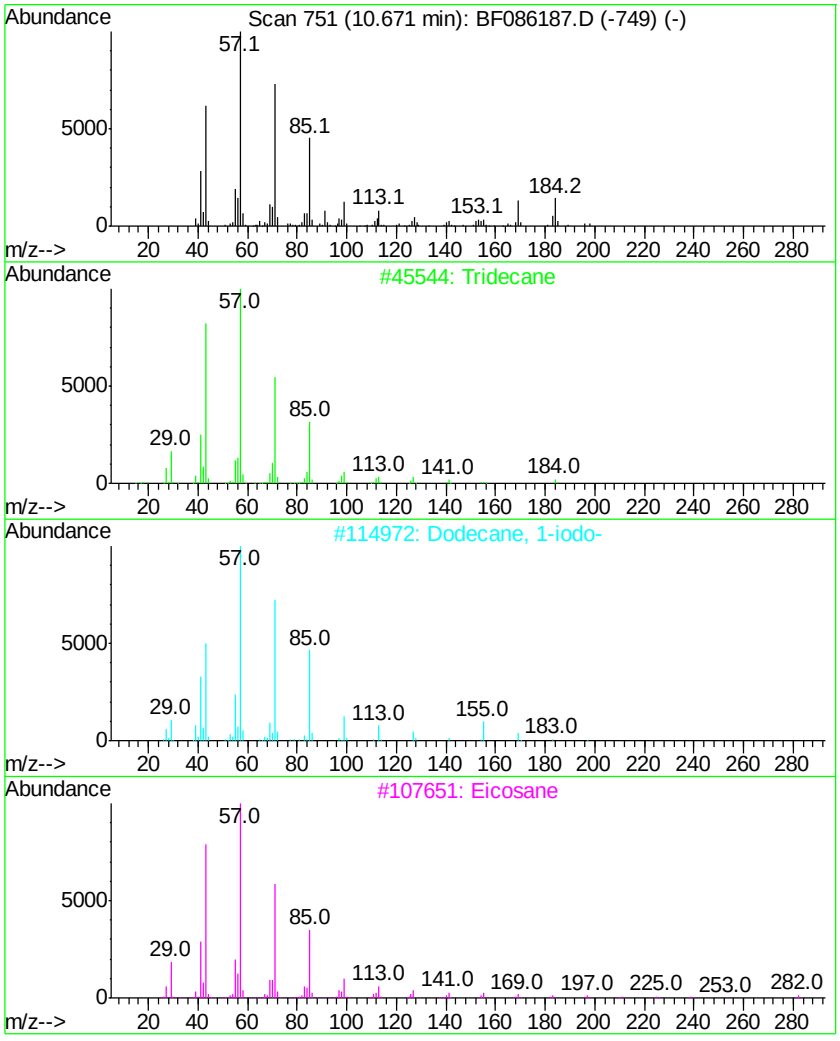
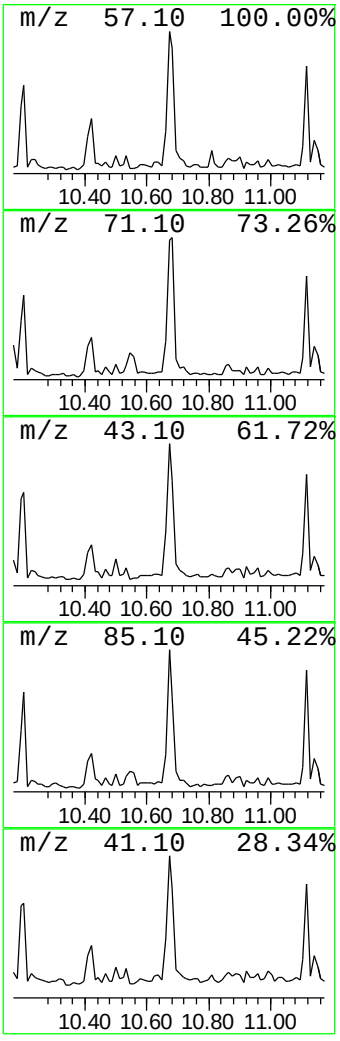
Peak Number 6 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	3.93 ng	411178	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
3	Eicosane	282	C20H42	000112-95-8	80
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	74
5	Heptadecane	240	C17H36	000629-78-7	74





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ALS Vial : 26 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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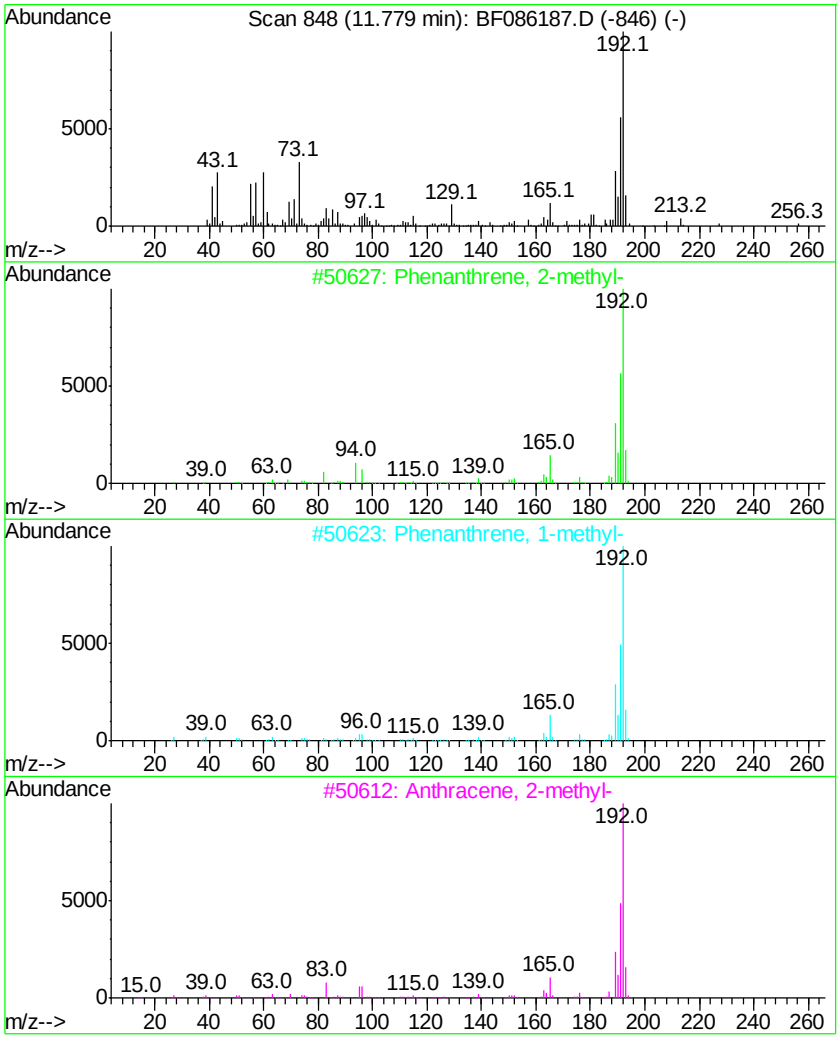
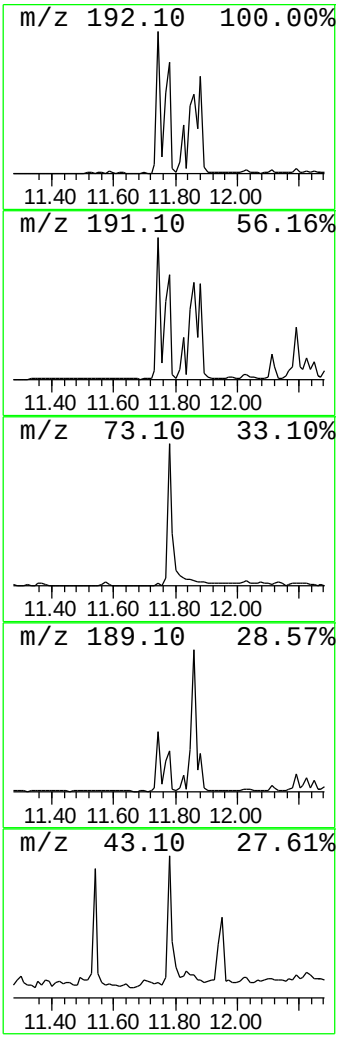
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.49 ng	574246	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Acq On : 9 Apr 2016 00:09
Operator : UM/SJ
Sample : H2283-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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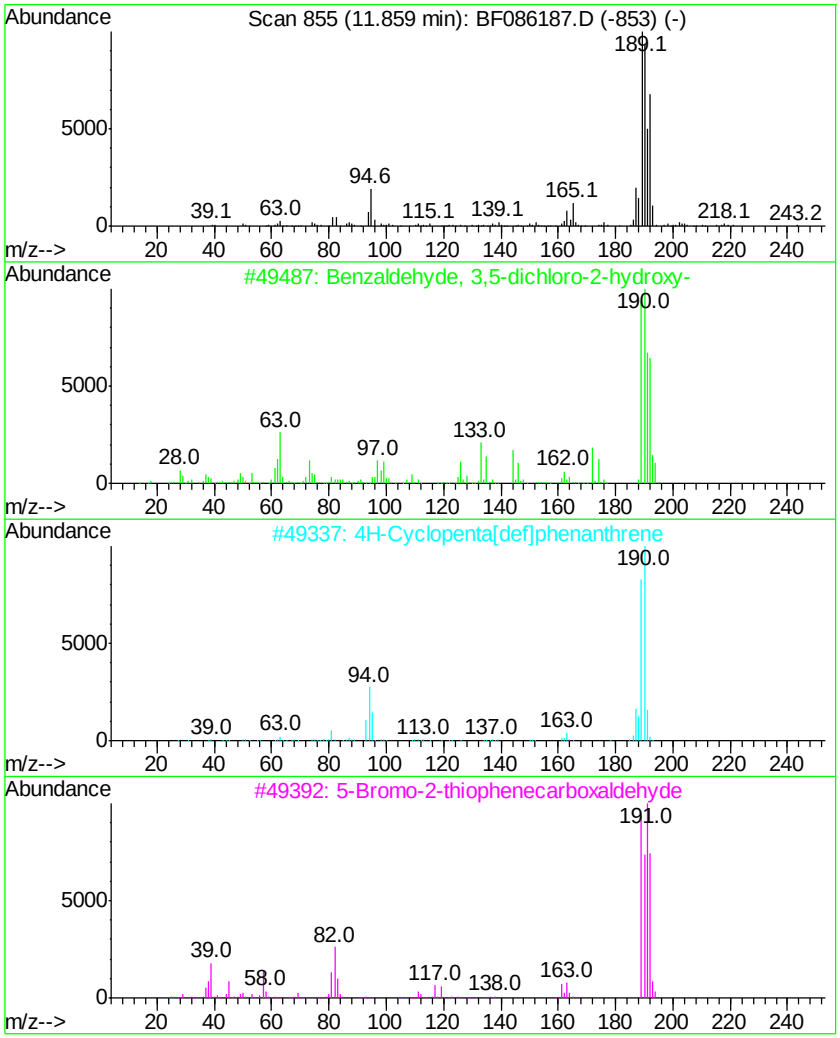
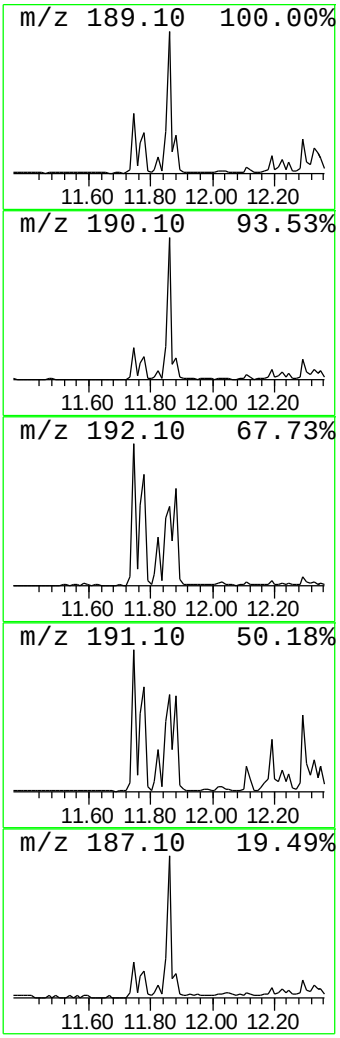
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	7.64 ng	798282	Phenanthrene-d10	11.24

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	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35





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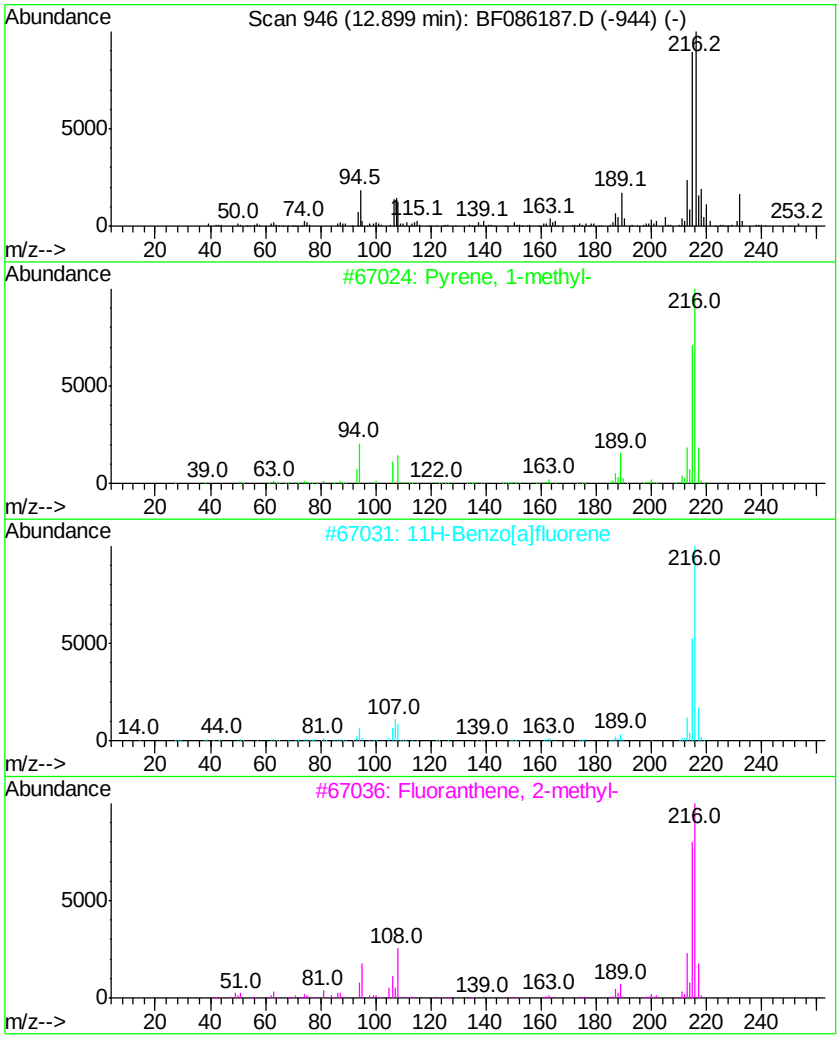
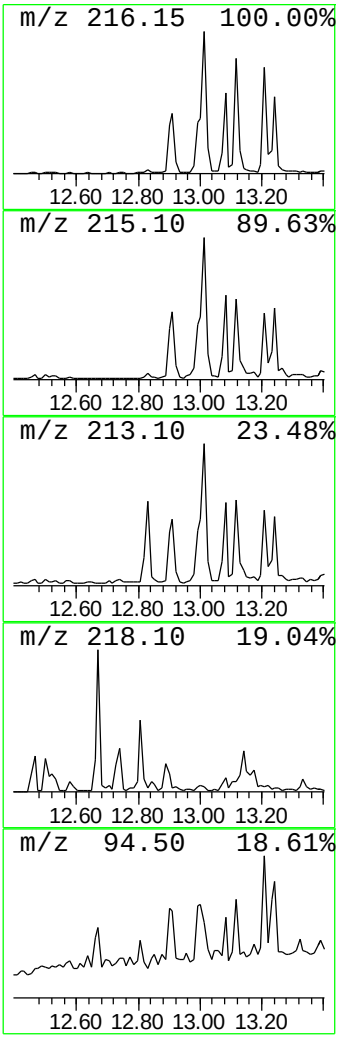
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	4.15 ng	327864	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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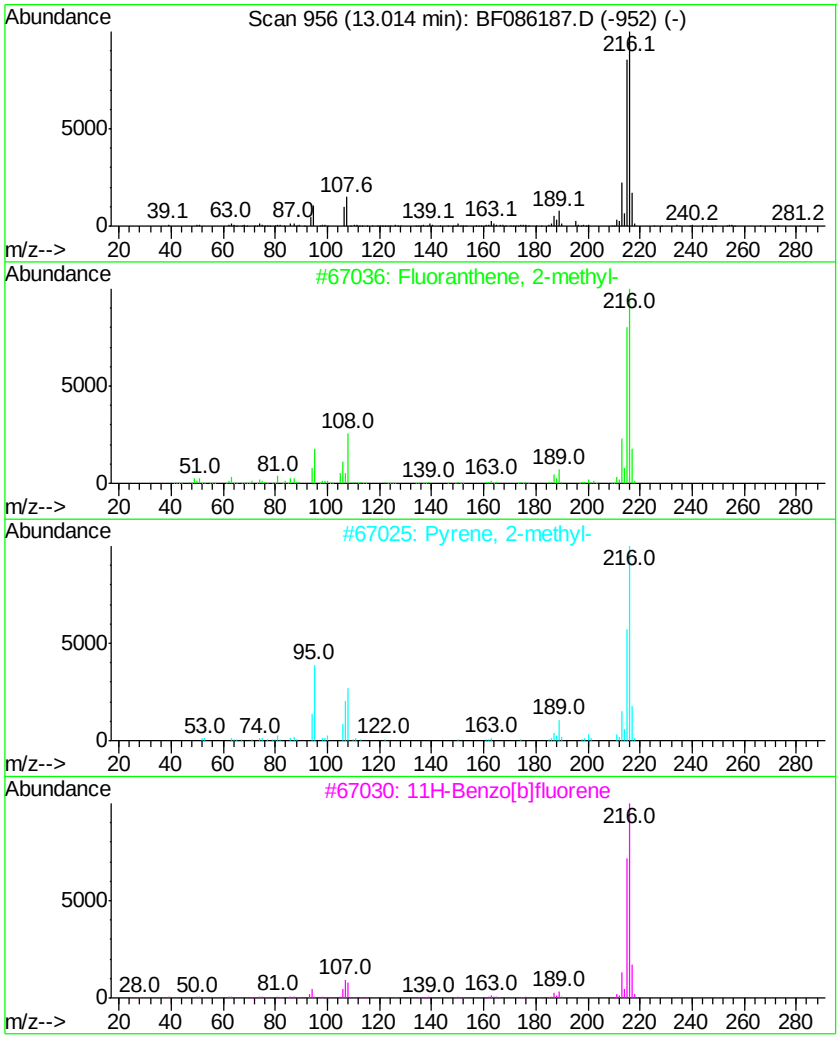
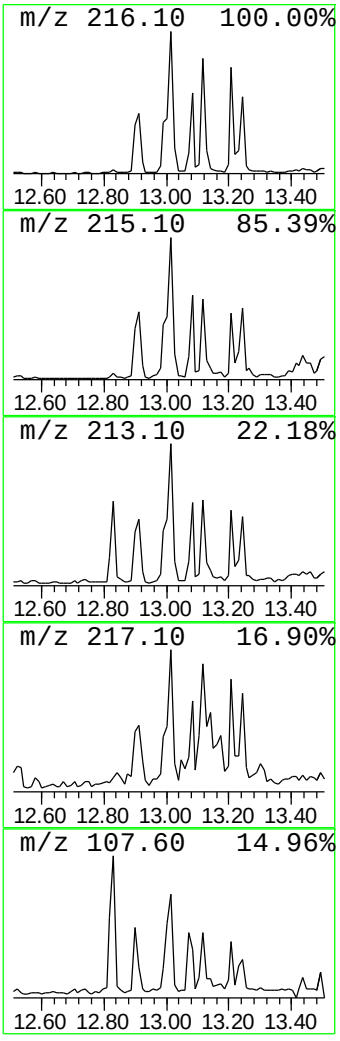
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	6.30 ng	497633	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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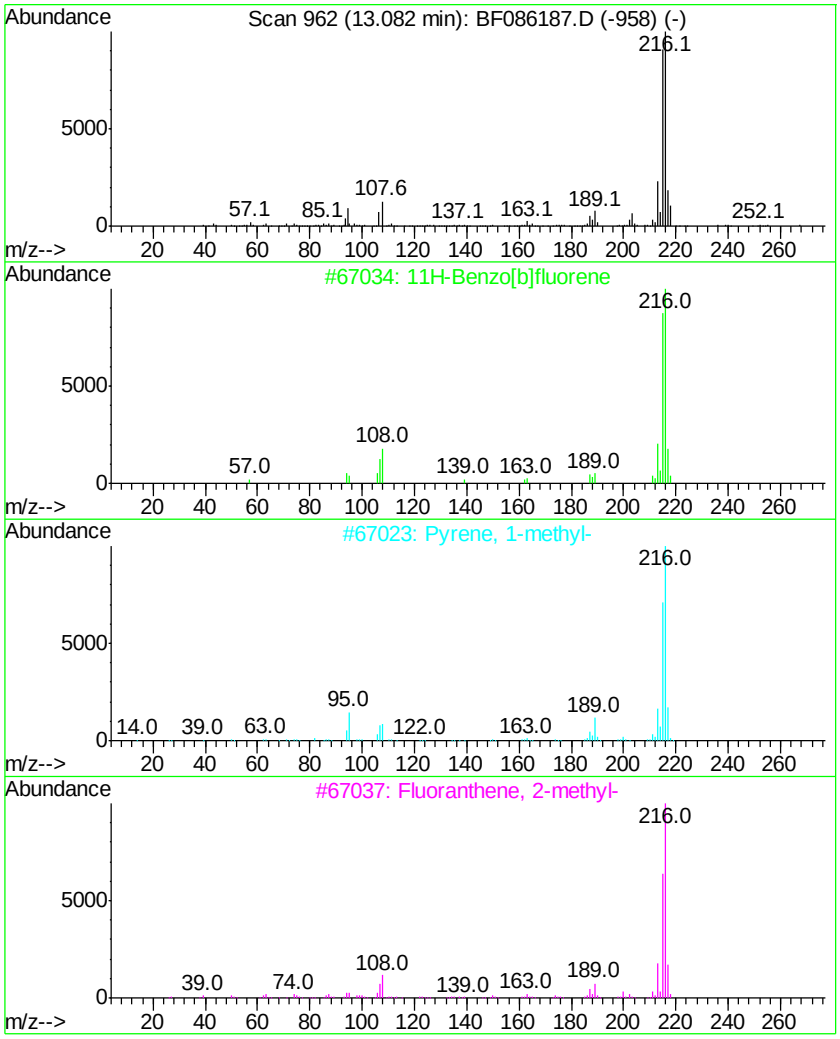
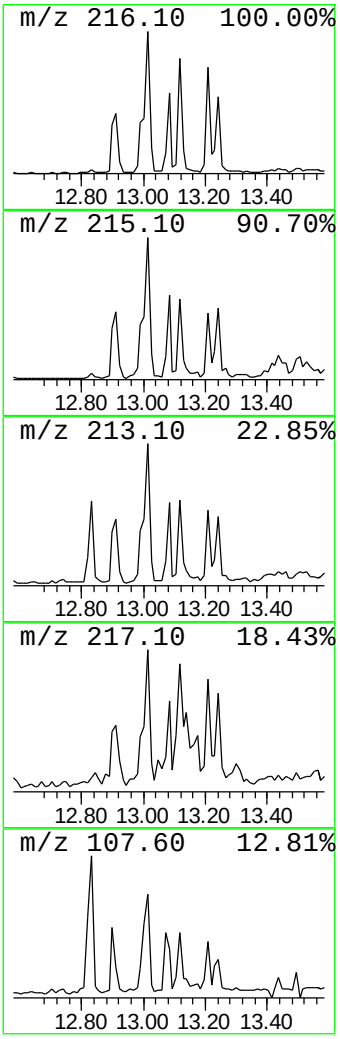
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.07 ng	321164	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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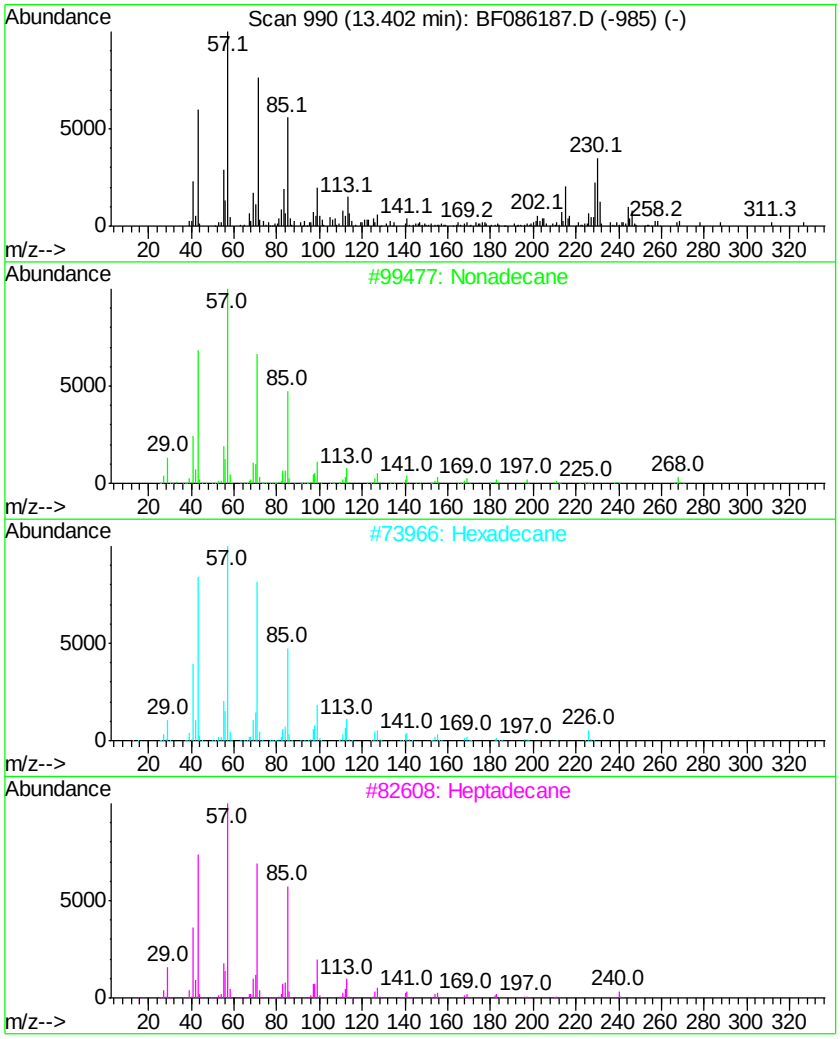
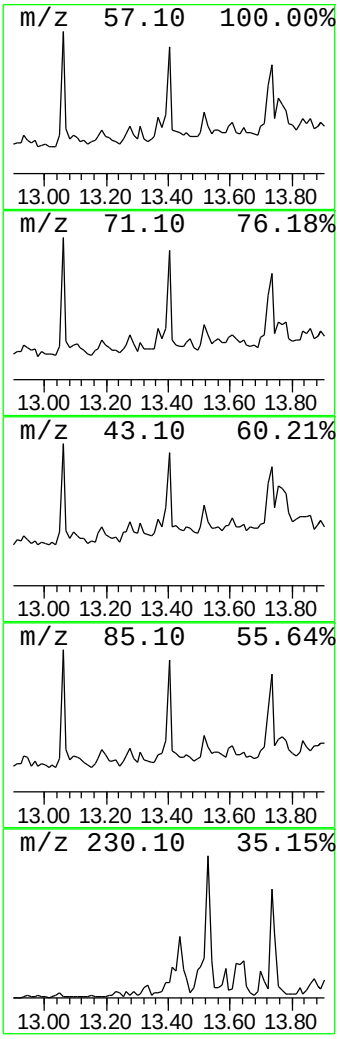
Peak Number 13 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.75 ng	295867	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Hexadecane	226	C16H34	000544-76-3	60
3	Heptadecane	240	C17H36	000629-78-7	60
4	Pentadecane	212	C15H32	000629-62-9	55
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	55





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

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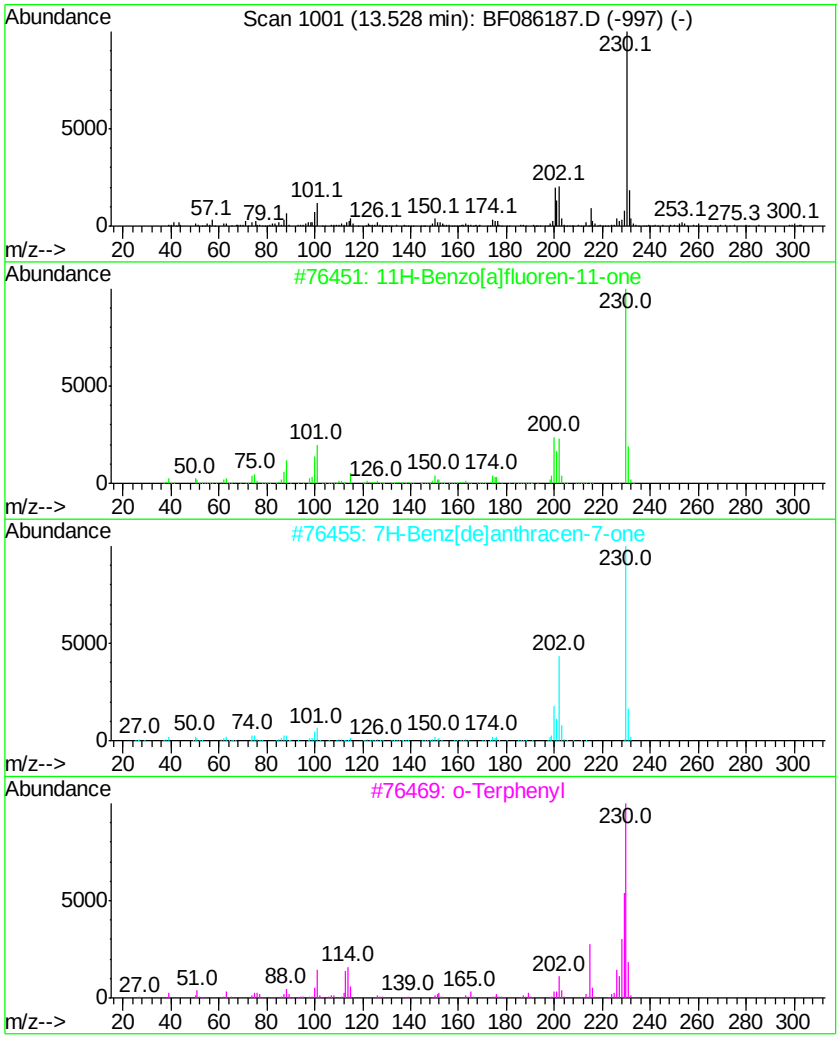
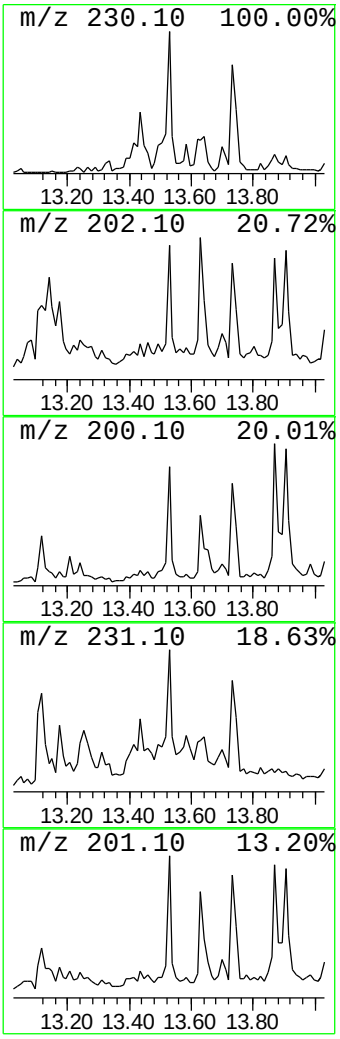
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	4.60 ng	363239	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	53
5	m-Terphenyl	230	C18H14	000092-06-8	52





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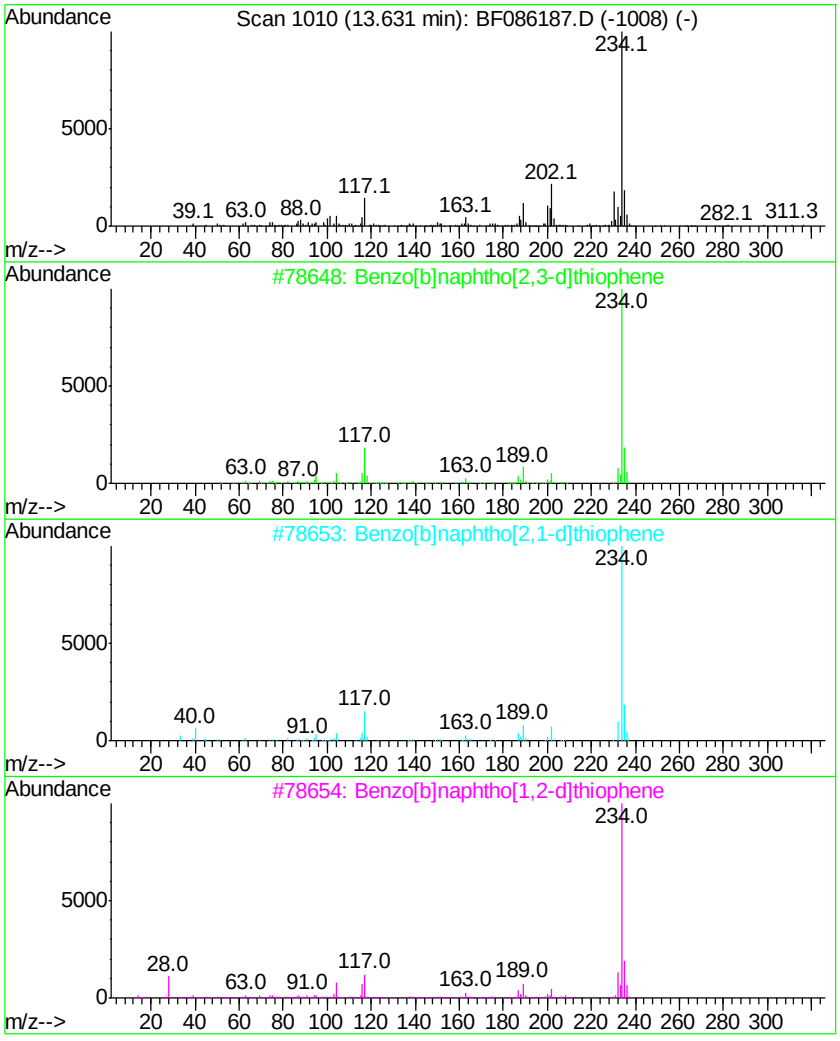
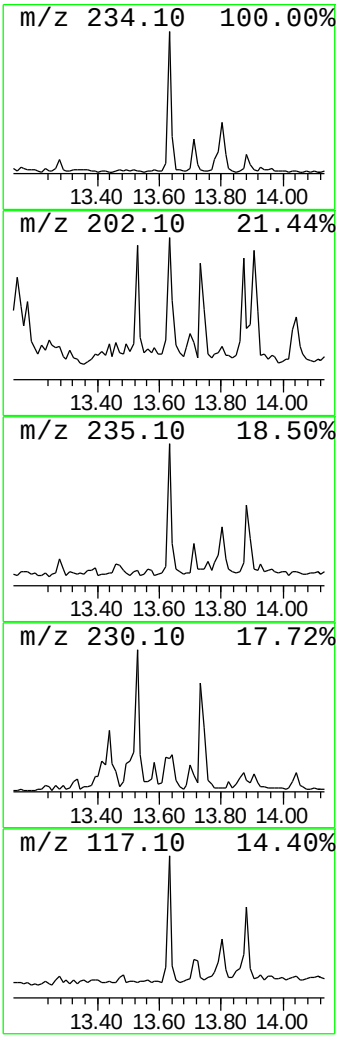
Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	4.50 ng	355244	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46
5	Benzene, 1,1'-(2-cyclohexen-1-yl...	234	C18H18	031158-25-5	38





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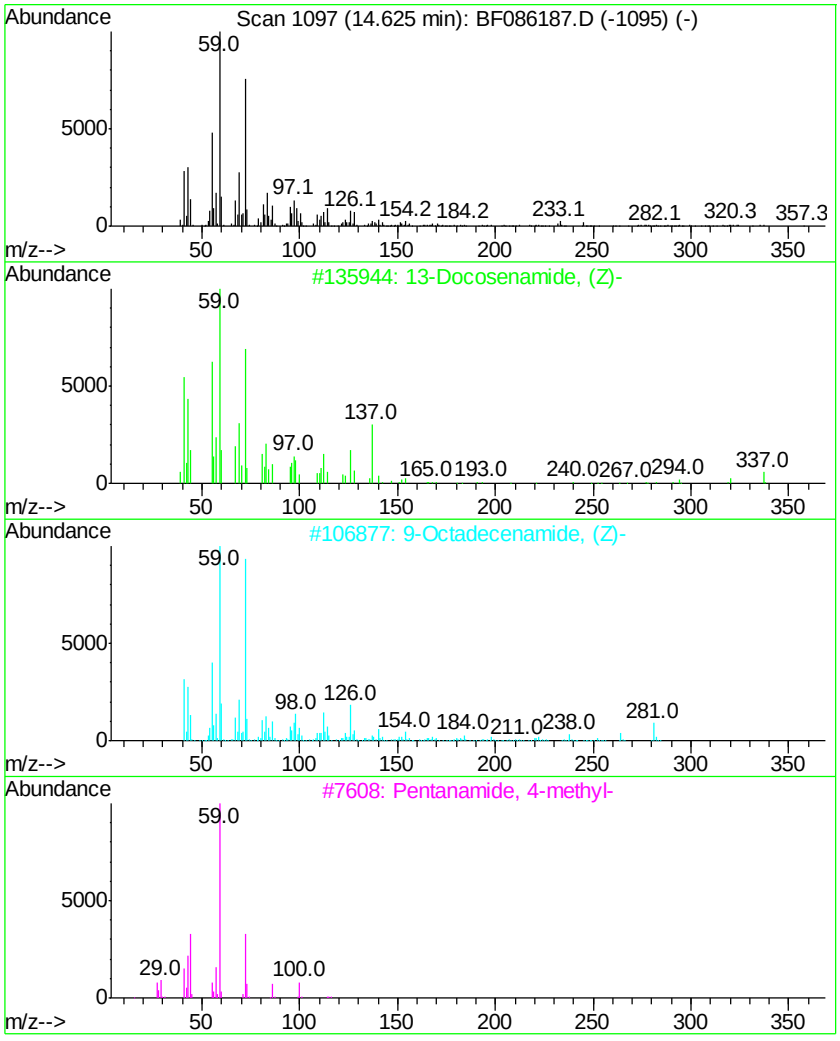
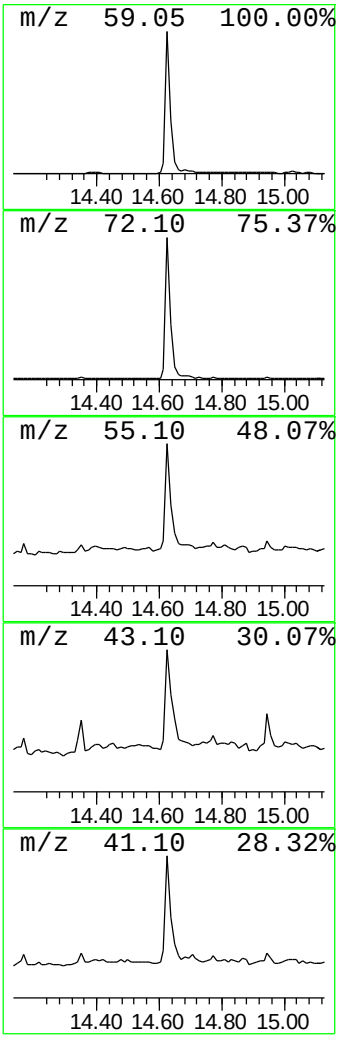
Peak Number 16 13-Docosenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	14.63 ng	604607	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	87
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
3	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	47
4	Decanamide-	171	C10H21NO	002319-29-1	47
5	Dodecanamide	199	C12H25NO	001120-16-7	43





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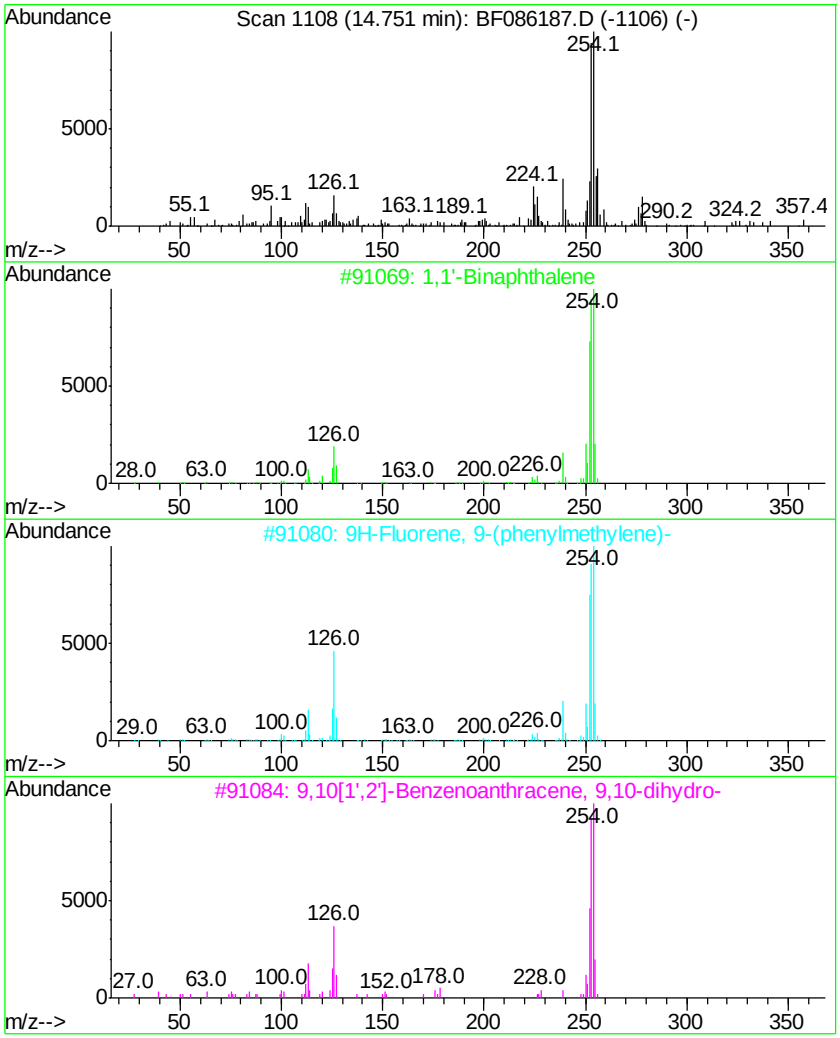
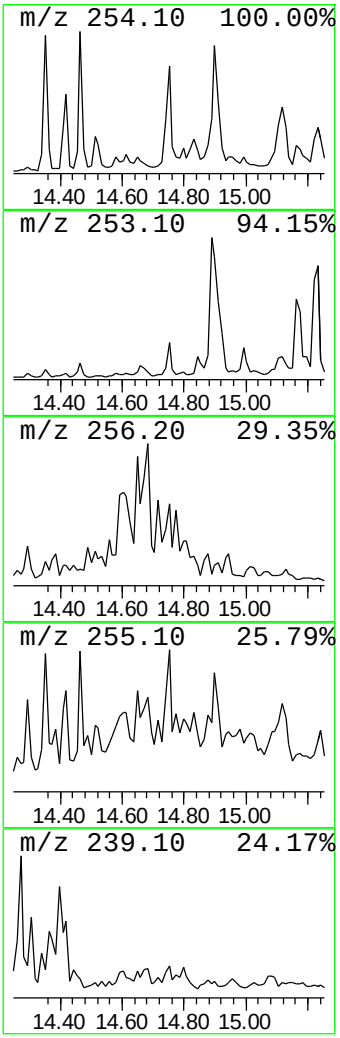
Peak Number 17 1,1'-Binaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.66 ng	151204	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	86
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	58
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	52





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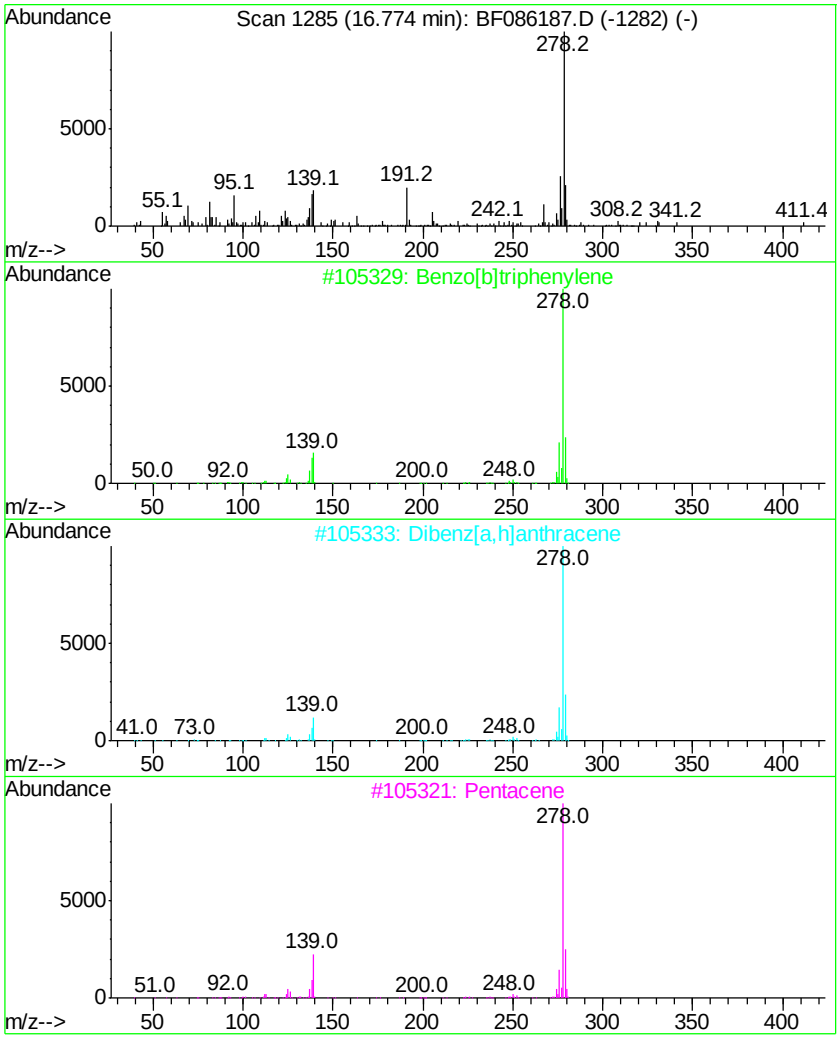
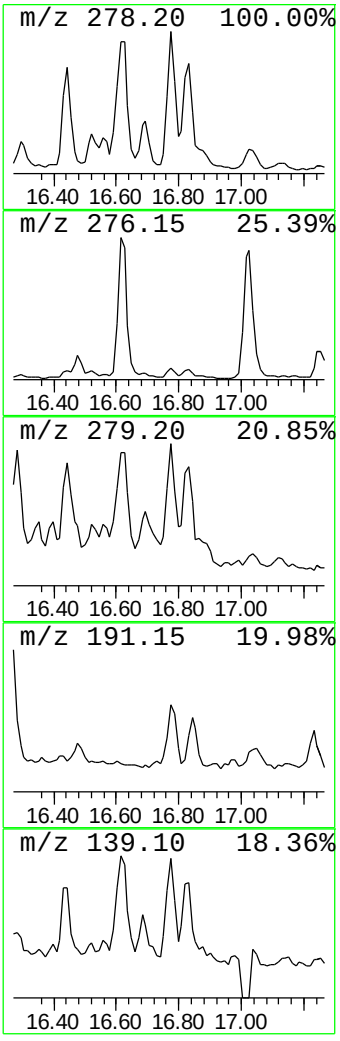
Peak Number 20 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.61 ng	190361	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	Pentacene	278	C22H14	000135-48-8	92
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	92
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	83





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-Pentanone, 4-hy...	4.90	12.8	ng	468882	1	6.73	732183	20.0
unknown6.50	6.50	83.9	ng	3071620	1	6.73	732183	20.0
Tetradecane	9.70	3.9	ng	174417	3	9.76	898759	20.0
Tridecane	10.67	3.9	ng	411178	4	11.24	2090220	20.0
Phenanthrene, 2-m...	11.78	5.5	ng	574246	4	11.24	2090220	20.0
Benzaldehyde, 3,5...	11.86	7.6	ng	798282	4	11.24	2090220	20.0
Pyrene, 1-methyl-	12.90	4.2	ng	327864	5	13.88	1579010	20.0
Fluoranthene, 2-m...	13.01	6.3	ng	497633	5	13.88	1579010	20.0
11H-Benzo[b]fluorene	13.08	4.1	ng	321164	5	13.88	1579010	20.0
Nonadecane	13.40	3.8	ng	295867	5	13.88	1579010	20.0
11H-Benzo[a]fluor...	13.53	4.6	ng	363239	5	13.88	1579010	20.0
Benzo[b]naphtho[2...	13.63	4.5	ng	355244	5	13.88	1579010	20.0
13-Docosenamide, ...	14.63	14.6	ng	604607	6	15.28	826718	20.0
1,1'-Binaphthalene	14.75	3.7	ng	151204	6	15.28	826718	20.0
Benzo[b]triphenylene	16.77	4.6	ng	190361	6	15.28	826718	20.0