LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095798.D
Acq On : 8 Jun 2017 23:10
Operator : SJ/MA
Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

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-BF060517.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	4.581	505	509	523	rBV2	48119	131800	7.97%	0.656%
2	5.257	620	624	659	rBV	825379	1502501	90.81%	7.473%
3	6.928	903	908	920	rBV	984167	1470496	88.87%	7.314%
4	7.022	920	924	933	rVB	1184622	1654575	100.00%	8.229%
5	7.369	979	983	997	rVB	286738	389974	23.57%	1.940%
6	7.604	1018	1023	1042	rBV	824047	1073362	64.87%	5.339%
7	8.280	1133	1138	1169	rBV	620444	916589	55.40%	4.559%
8	9.398	1323	1328	1343	rBV	400437	546569	33.03%	2.719%
9	11.180	1625	1631	1643	rBV	1022223	1302905	78.75%	6.480%
10	11.868	1744	1748	1761	rVB	232378	300449	18.16%	1.494%
11	11.998	1766	1770	1776	rBV	23354	29598	1.79%	0.147%
12	12.221	1802	1808	1813	rBV2	458394	573781	34.68%	2.854%
13	12.268	1813	1816	1824	rVB2	30831	44127	2.67%	0.219%
14	13.080	1946	1954	1957	rBV	21990	27488	1.66%	0.137%
15	13.115	1957	1960	1970	rVB	33260	47474	2.87%	0.236%
16	13.515	2023	2028	2046	rVB	619868	853882	51.61%	4.247%
17	13.851	2079	2085	2092	rBV	21473	34126	2.06%	0.170%
18	14.451	2183	2187	2192	rVB	15804	21056	1.27%	0.105%
19	14.615	2210	2215	2218	rVV	426350	565454	34.18%	2.812%
20	14.651	2218	2221	2229	rVV	429937	523985	31.67%	2.606%
21	14.745	2231	2237	2247	rVB	67671	100569	6.08%	0.500%
22	15.045	2285	2288	2297	rBV	28063	41601	2.51%	0.207%
23	15.421	2347	2352	2355	rBV	56203	66299	4.01%	0.330%
24	15.462	2355	2359	2364	rVV	70600	78570	4.75%	0.391%
25	15.539	2364	2372	2373	rVV3	16845	21053	1.27%	0.105%
26	15.568	2373	2377	2381	rVV2	89018	125013	7.56%	0.622%
27	15.633	2381	2388	2394	rVB2	51374	105689	6.39%	0.526%
28	15.874	2425	2429	2436	rBV	38219	48344	2.92%	0.240%
29	15.933	2436	2439	2443	rBV	23734	27733	1.68%	0.138%
30	16.127	2468	2472	2475	rBV2	17093	18399	1.11%	0.092%
31	16.227	2485	2489	2493	rBV	44553	56862	3.44%	0.283%
32	16.274	2493	2497	2500	rVV2	25838	40224	2.43%	0.200%
33	16.309	2500	2503	2506	rVV2	15848	16786	1.01%	0.083%
34	16.350	2506	2510	2515	rVB2	31912	42081	2.54%	0.209%

LSC Area Percent Report

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Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

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-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.433	2518	2524	2529	rBV	720986	851557	51.47%	4.235%
36	16.539	2538	2542	2544	rBV3	17350	20083	1.21%	0.100%
37	16.568	2544	2547	2552	rVB2	17433	19962	1.21%	0.099%
38	16.627	2552	2557	2562	rBV	20964	27951	1.69%	0.139%
39	16.733	2570	2575	2580	rBV	750623	844610	51.05%	4.201%
40	16.827	2586	2591	2594	rBV4	12847	23395	1.41%	0.116%
41	16.862	2594	2597	2601	rVB	16021	19677	1.19%	0.098%
42	16.927	2605	2608	2611	rBV2	31269	37400	2.26%	0.186%
43	16.986	2613	2618	2624	rVB	786007	882489	53.34%	4.389%
44	17.062	2628	2631	2635	rVV2	31658	49455	2.99%	0.246%
45	17.115	2637	2640	2644	rVV	14819	18100	1.09%	0.090%
46	17.174	2645	2650	2652	rVV3	32724	55519	3.36%	0.276%
47	17.203	2652	2655	2661	rVB	83139	100259	6.06%	0.499%
48	17.292	2666	2670	2674	rVB	69396	79537	4.81%	0.396%
49	17.339	2674	2678	2685	rBV3	56378	92230	5.57%	0.459%
50	17.450	2692	2697	2701	rBV	36126	38700	2.34%	0.192%
51	17.492	2701	2704	2711	rVB	28654	31662	1.91%	0.157%
52	17.656	2726	2732	2736	rVB3	18096	22855	1.38%	0.114%
53	17.774	2750	2752	2758	rVB4	13205	19497	1.18%	0.097%
54	17.892	2769	2772	2776	rVB2	20823	23987	1.45%	0.119%
55	18.009	2786	2792	2794	rBV2	43932	55829	3.37%	0.278%
56	18.039	2794	2797	2800	rVV	50938	53124	3.21%	0.264%
57	18.068	2800	2802	2805	rVB	35622	32106	1.94%	0.160%
58	18.109	2805	2809	2813	rVB2	30324	37909	2.29%	0.189%
59	18.168	2817	2819	2821	rBV	17509	17093	1.03%	0.085%
60	18.244	2827	2832	2839	rBV3	40195	77282	4.67%	0.384%
61	18.327	2839	2846	2849	rVV2	501501	762260	46.07%	3.791%
62	18.362	2849	2852	2857	rVV2	259098	334388	20.21%	1.663%
63	18.409	2857	2860	2864	rVV2	69212	83771	5.06%	0.417%
64	18.456	2864	2868	2872	rVB2	52935	59649	3.61%	0.297%
65	18.550	2880	2884	2889	rBV3	17986	31865	1.93%	0.158%
66	18.615	2891	2895	2899	rVV2	30790	37758	2.28%	0.188%
67	18.656	2899	2902	2907	rVB	28074	38525	2.33%	0.192%
68	18.839	2927	2933	2936	rVV	57301	74432	4.50%	0.370%
69	18.880	2936	2940	2943	rVB2	31509	40611	2.45%	0.202%
70	18.950	2943	2952	2955	rBV4	41301	74915	4.53%	0.373%
71	18.986	2955	2958	2960	rBV2	20863	29034	1.75%	0.144%

LSC Area Percent Report

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Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

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-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.009	2960	2962	2966	rVB3	17311	19934	1.20%	0.099%
73	19.274	3004	3007	3012	rVB6	15568	23787	1.44%	0.118%
74	19.362	3019	3022	3027	rVB7	14425	19322	1.17%	0.096%
75	19.444	3032	3036	3039	rVB3	23008	29813	1.80%	0.148%
76	19.480	3039	3042	3049	rVB8	15425	31451	1.90%	0.156%
77	19.550	3051	3054	3057	rBV2	14292	17298	1.05%	0.086%
78	19.597	3057	3062	3065	rVV	272702	392874	23.74%	1.954%
79	19.621	3065	3066	3073	rVV	115526	117690	7.11%	0.585%
80	19.709	3077	3081	3085	rVV	48648	52537	3.18%	0.261%
81	19.833	3100	3102	3107	rVB5	15326	22084	1.33%	0.110%
82	19.886	3107	3111	3115	rBV	166046	187185	11.31%	0.931%
83	19.944	3117	3121	3125	rVB	236293	258939	15.65%	1.288%
84	19.997	3126	3130	3133	rBV	332166	371750	22.47%	1.849%
85	20.027	3133	3135	3138	rVB	45429	50863	3.07%	0.253%
86	20.168	3155	3159	3161	rBV	20243	24277	1.47%	0.121%
87	20.209	3164	3166	3171	rVB2	20020	24646	1.49%	0.123%
88	20.456	3203	3208	3214	rBV6	17259	42904	2.59%	0.213%
89	21.021	3301	3304	3306	rBV2	18386	19283	1.17%	0.096%
90	21.168	3325	3329	3337	rVB	110403	193748	11.71%	0.964%
91	21.303	3349	3352	3356	rBV2	15725	25053	1.51%	0.125%
92	21.350	3358	3360	3365	rVB3	22158	25649	1.55%	0.128%
93	21.503	3381	3386	3393	rVB	83350	152003	9.19%	0.756%
94	21.709	3416	3421	3430	rVB2	25649	53529	3.24%	0.266%
95	23.003	3636	3641	3649	rVB2	9850	27295	1.65%	0.136%
96	23.197	3668	3674	3675	rBV6	16354	22683	1.37%	0.113%

Sum of corrected areas: 20105487

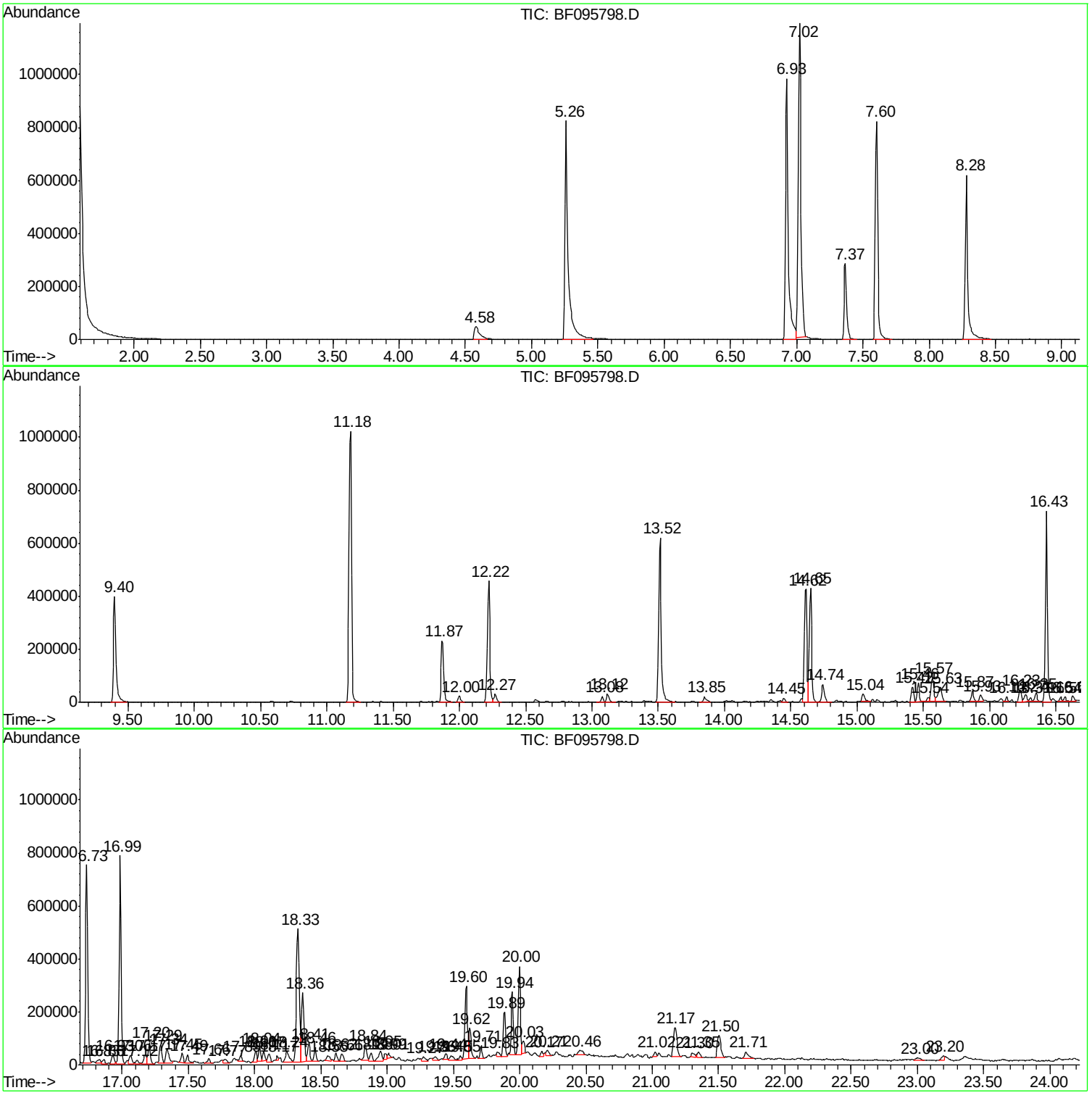
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095798.D
Acq On : 8 Jun 2017 23:10
Operator : SJ/MA
Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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\BF060817\
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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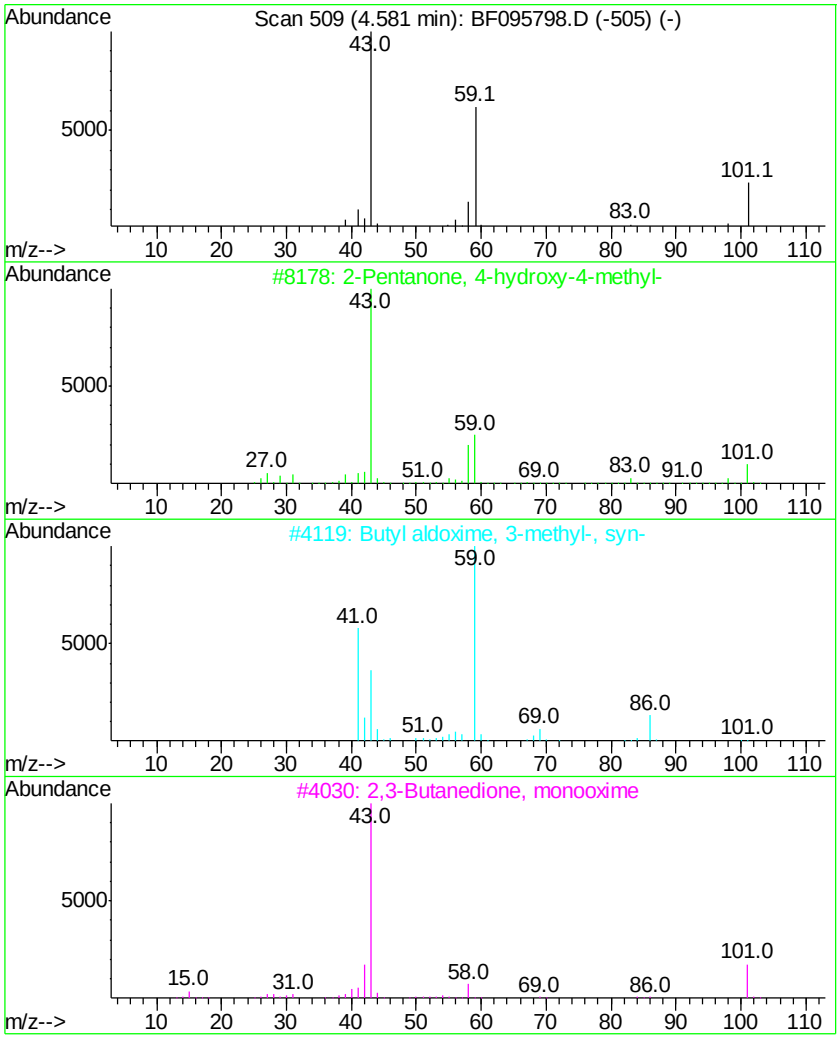
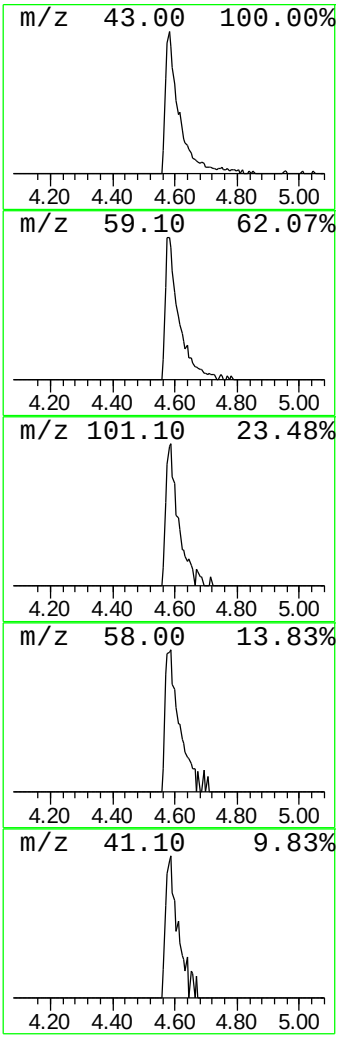
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	6.76 ng	131800	1,4-Dichlorobenzene-d4	7.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	3-Hexanol	102	C6H14O	000623-37-0	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





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Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

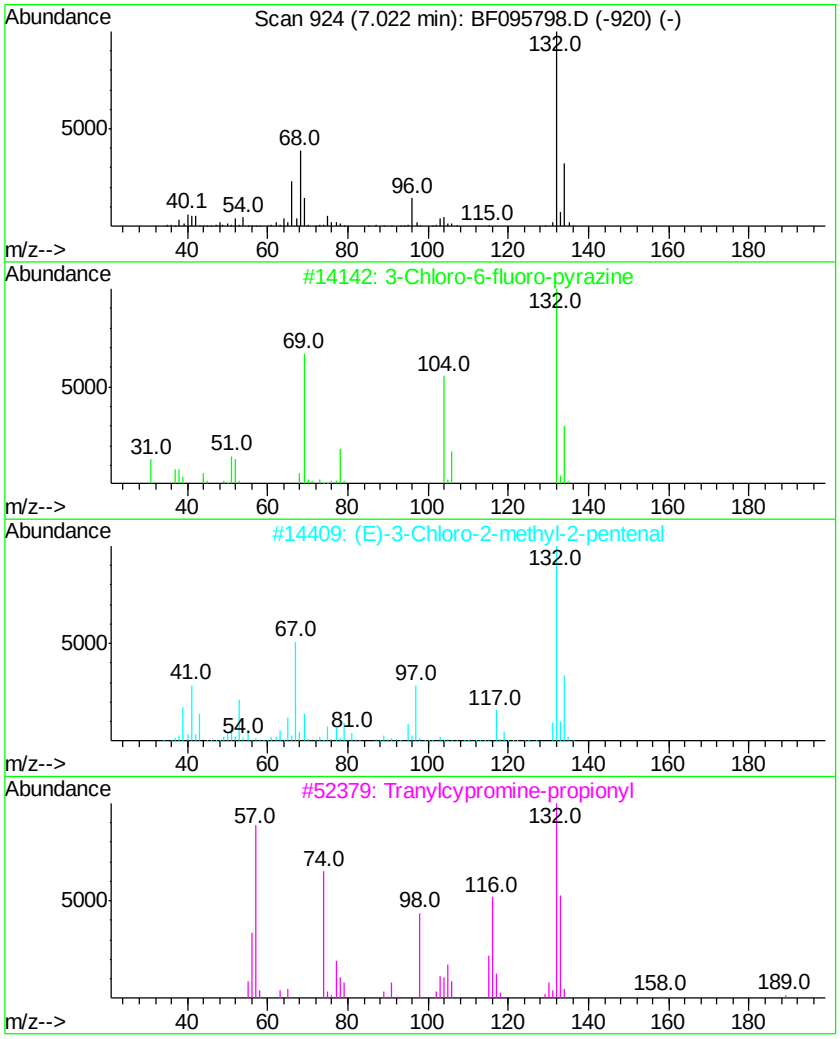
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

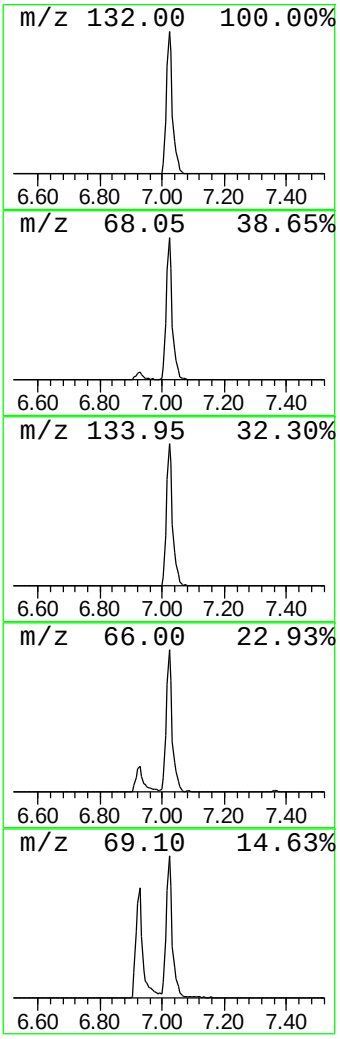
****

Peak Number 2 unknown7.02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	84.86 ng	1654580	1,4-Dichlorobenzene-d4	7.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

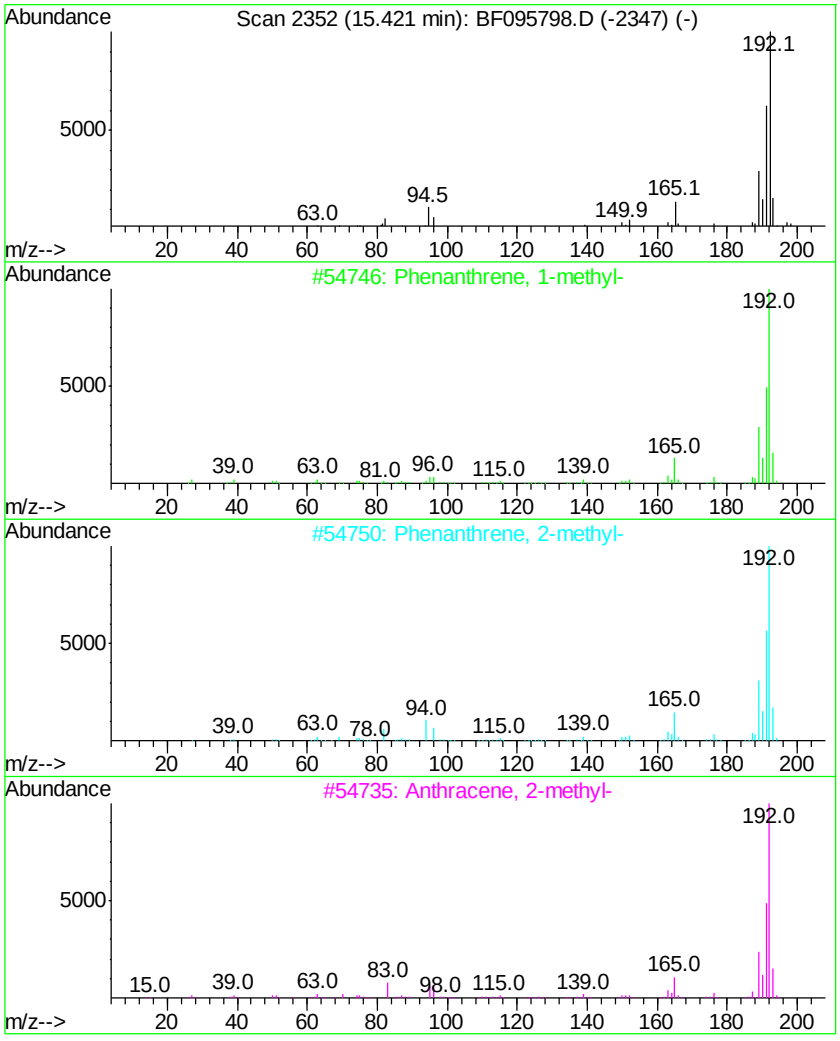
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

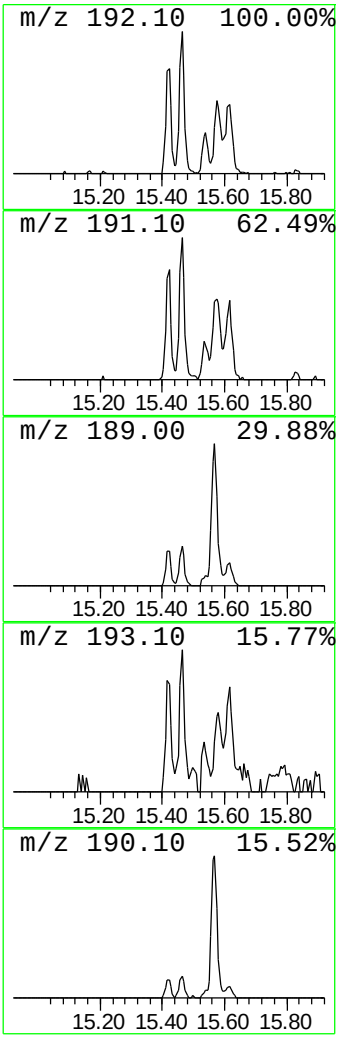
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	2.34 ng	66299	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : I3495-01
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Instrument : BNA_F
ClientSampleId : US-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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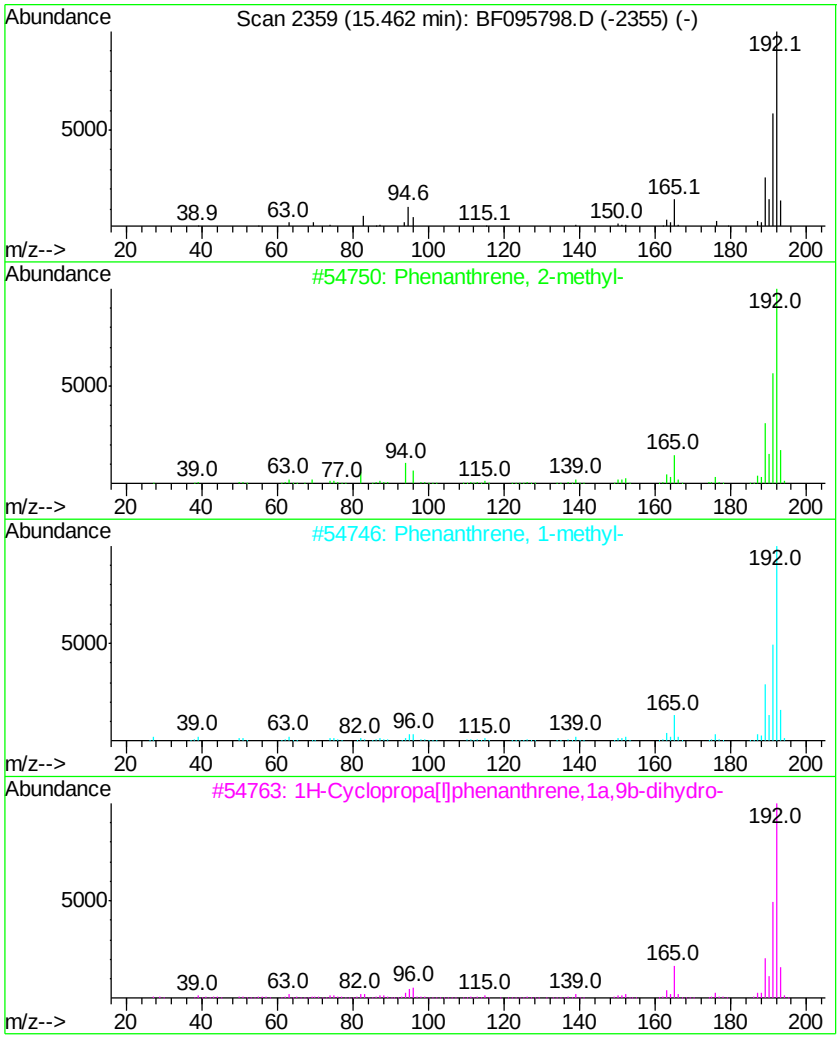
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

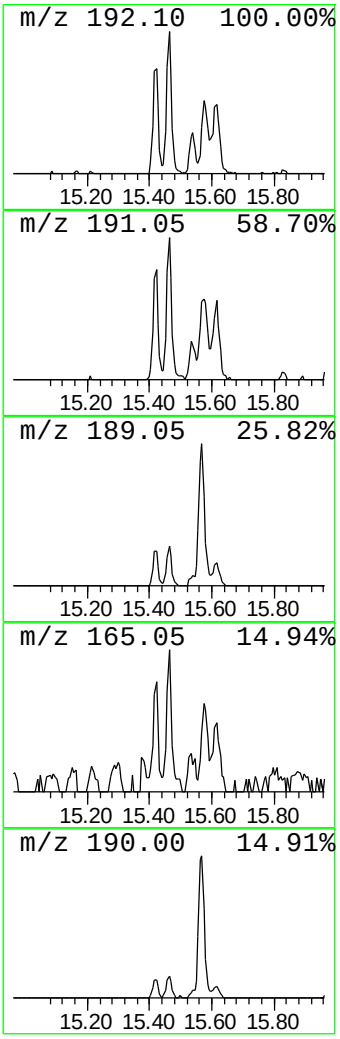
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.78 ng	78570	Phenanthrene-d10	14.62

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : SJ/MA
Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

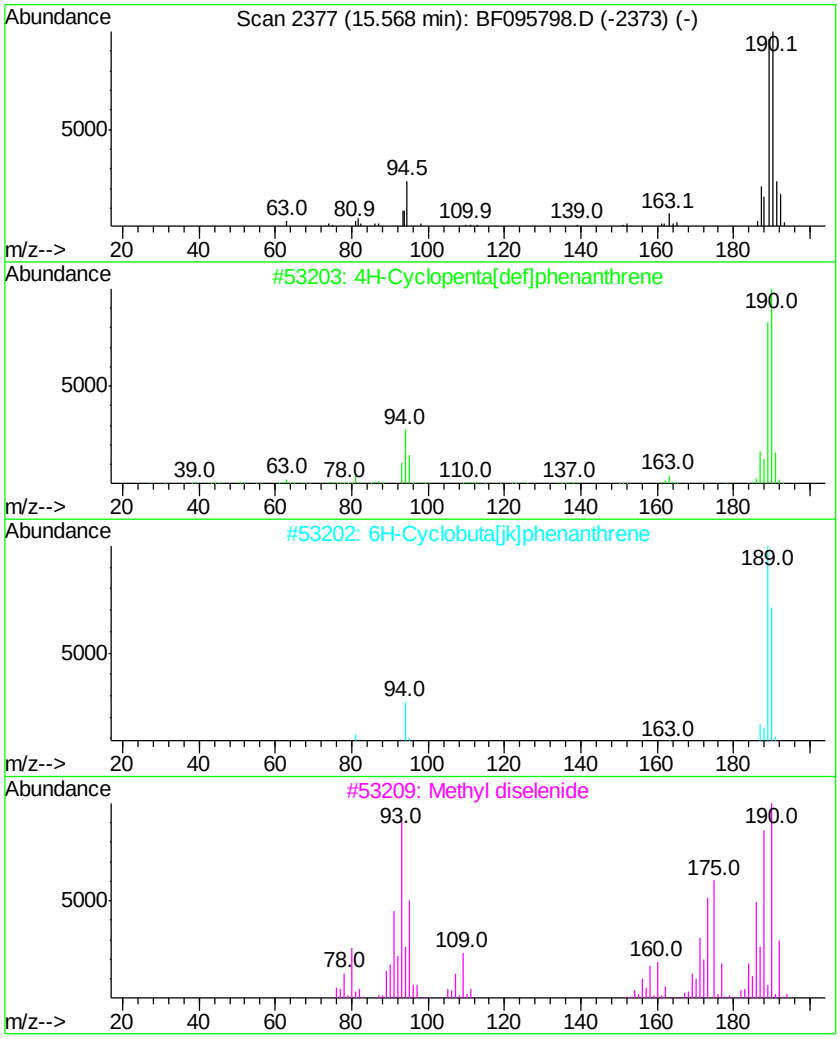
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

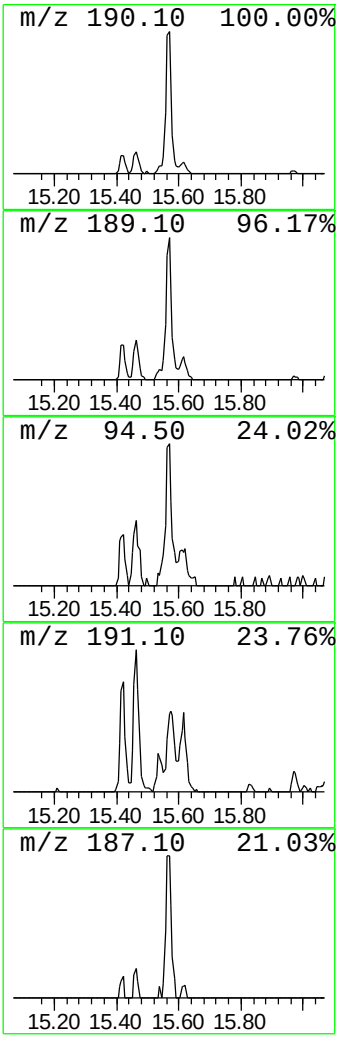
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.42 ng	125013	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	18





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Data File : BF095798.D
Acq On : 8 Jun 2017 23:10
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Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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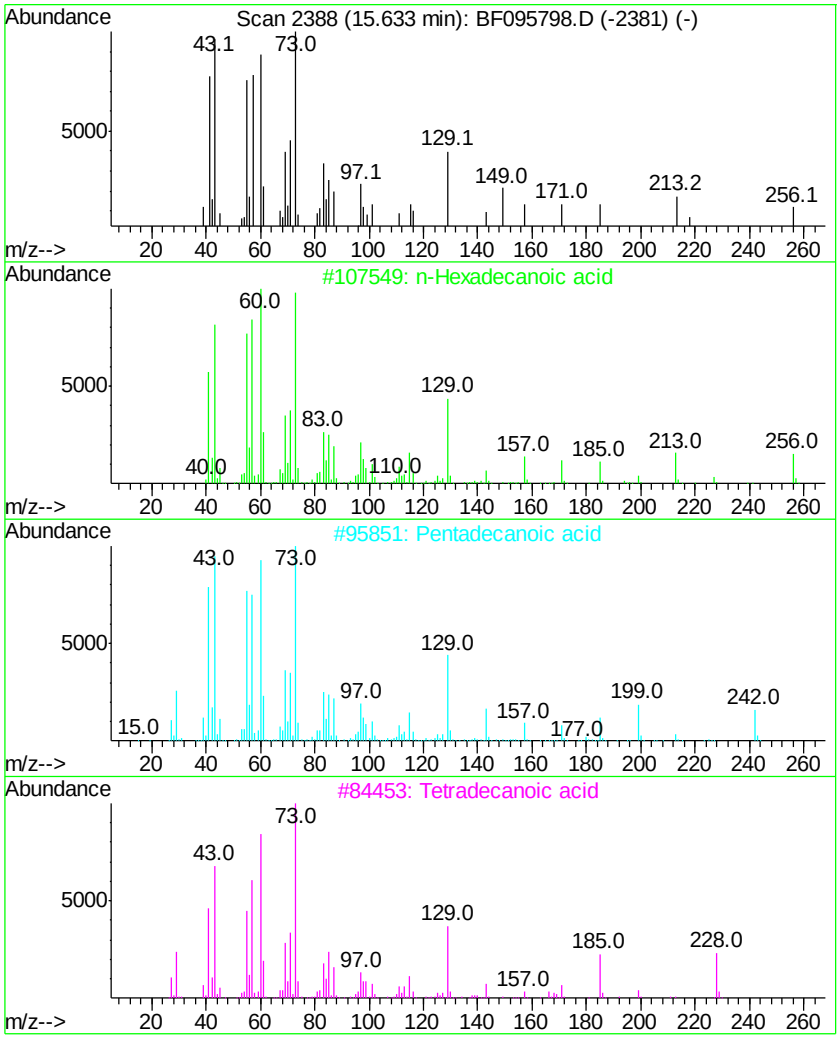
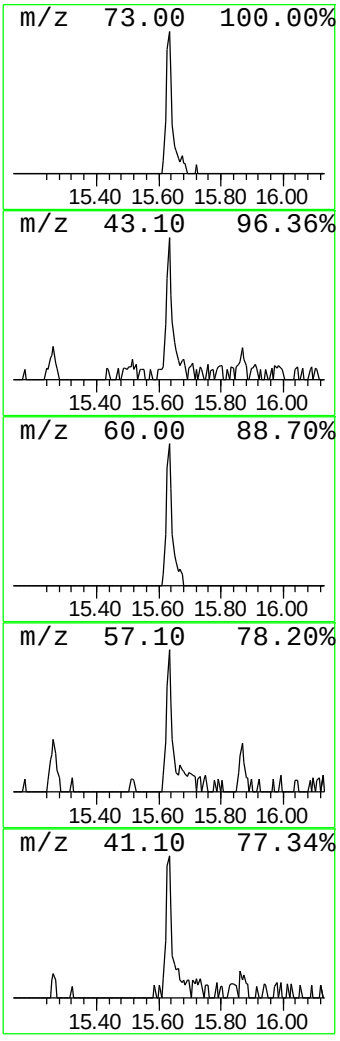
Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.74 ng	105689	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Dodecanoic acid	200	C12H24O2	000143-07-7	72
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64





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Acq On : 8 Jun 2017 23:10
Operator : SJ/MA
Sample : I3495-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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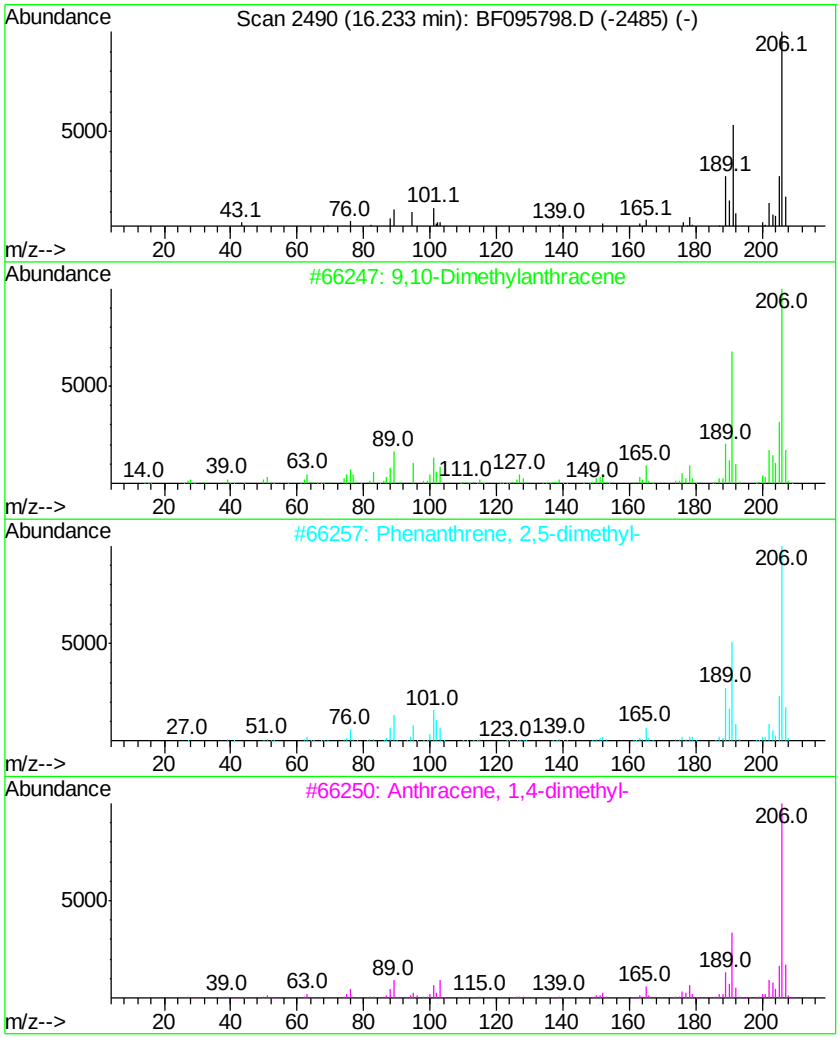
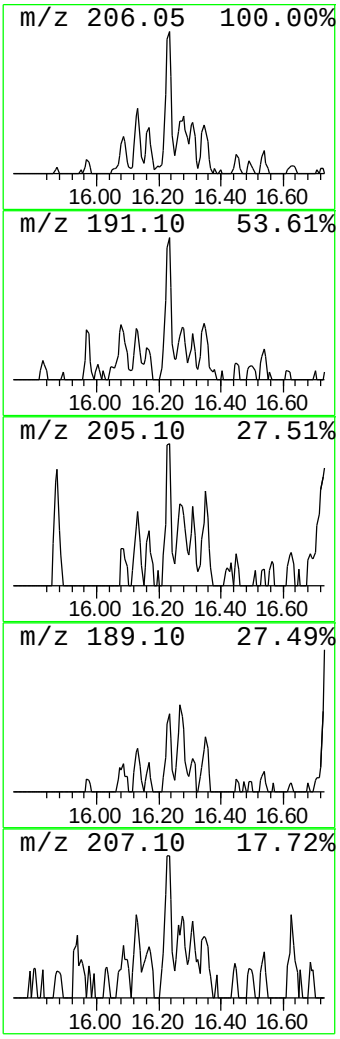
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.01 ng	56862	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





Library Search Compound Report

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Sample : I3495-01
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Instrument : BNA_F
ClientSampleId : US-01

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TIC Integration Parameters: LSCINT.P

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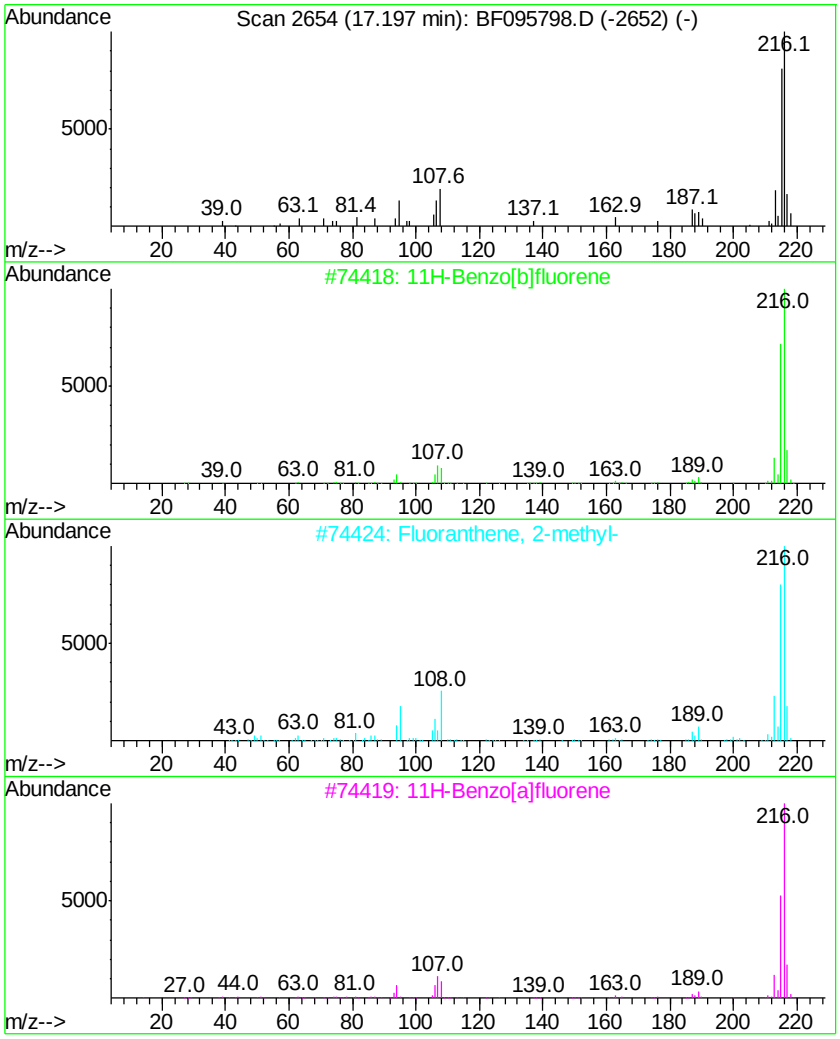
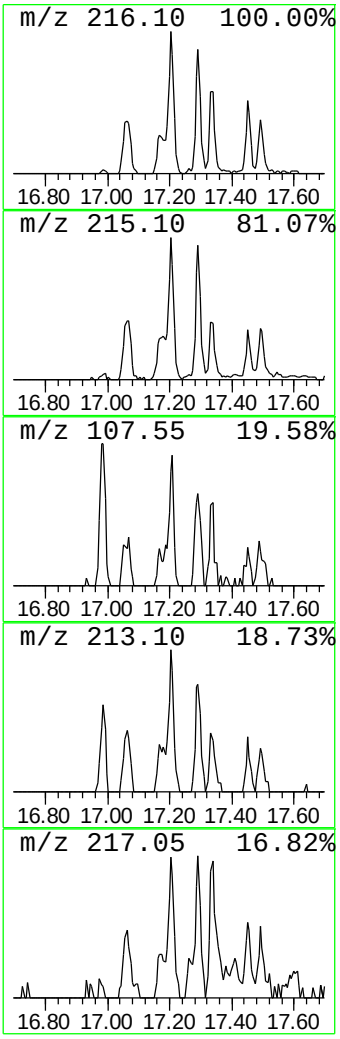
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.63 ng	100259	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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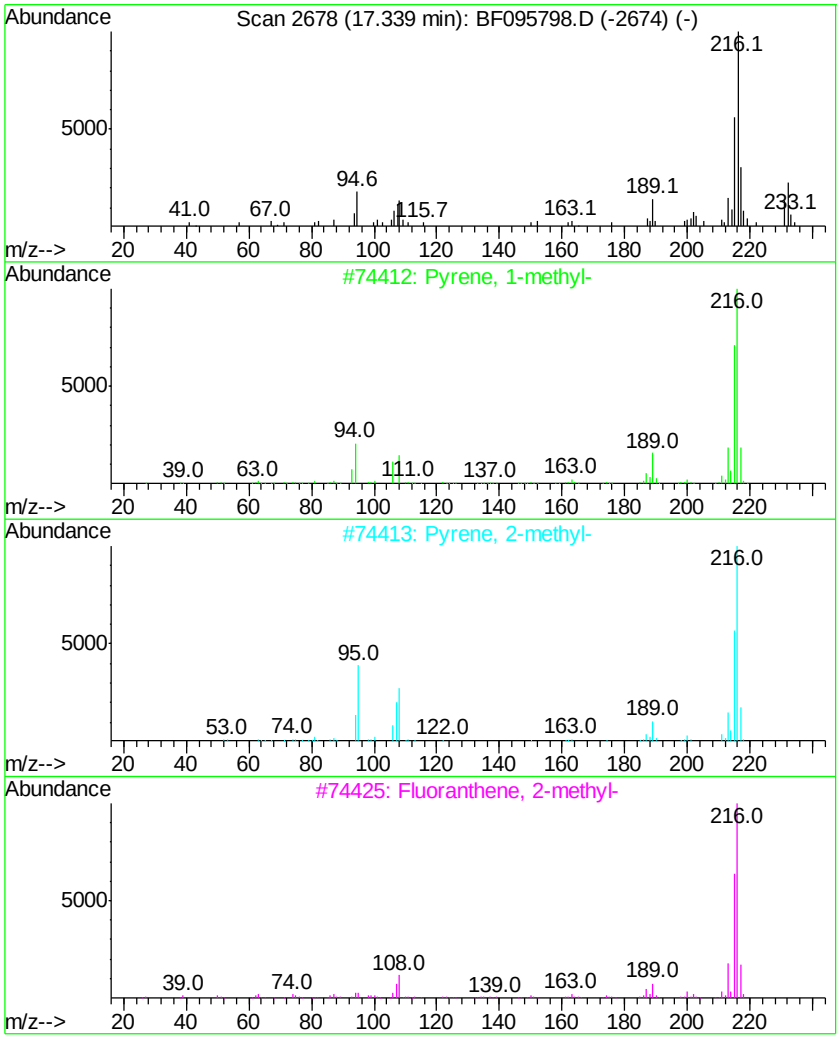
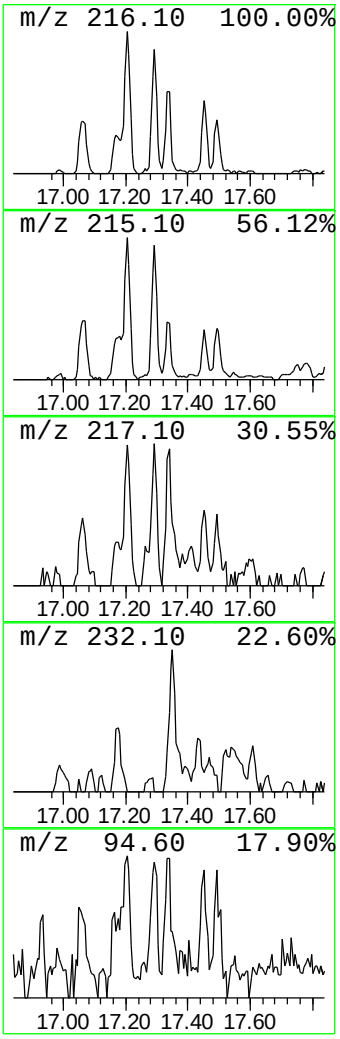
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	2.42 ng	92230	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : US-01

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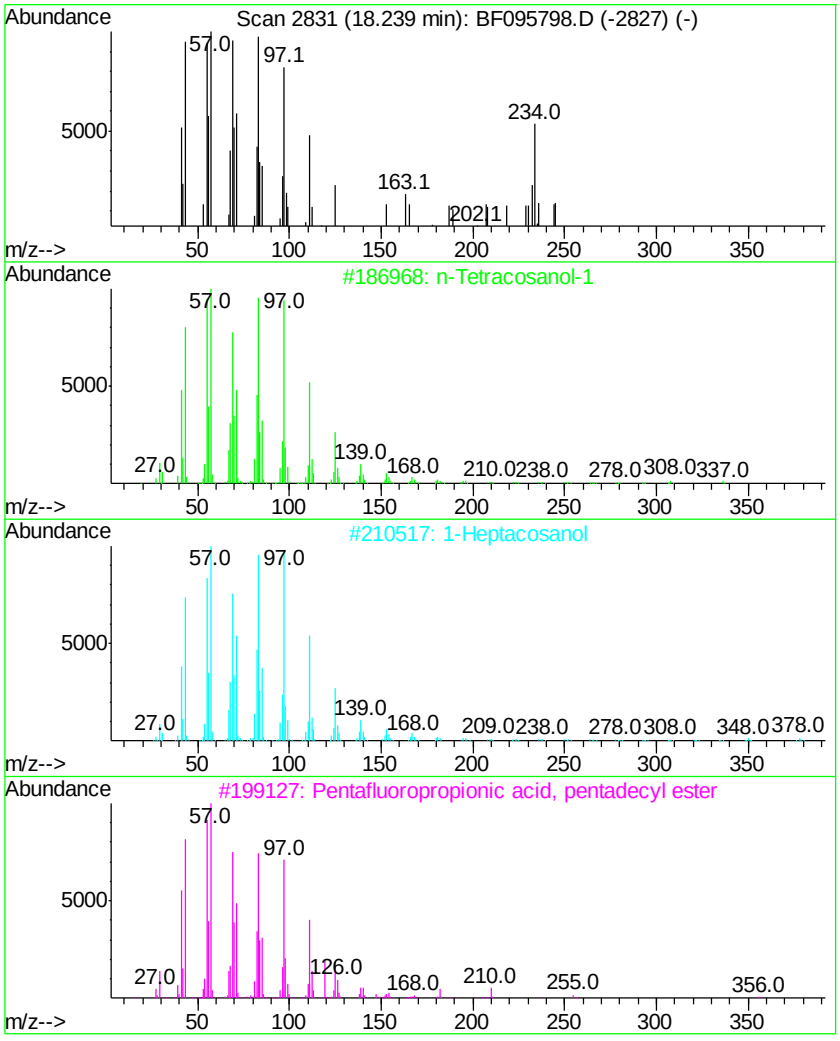
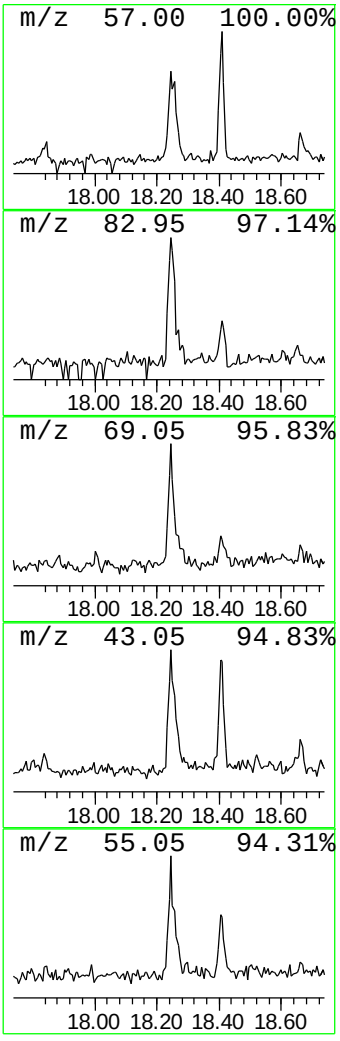
Peak Number 12 n-Tetracosanol-1 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.03 ng	77282	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	1-Heptacosanol	396	C27H56O	002004-39-9	91
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	90





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Instrument : BNA_F
ClientSampleId : US-01

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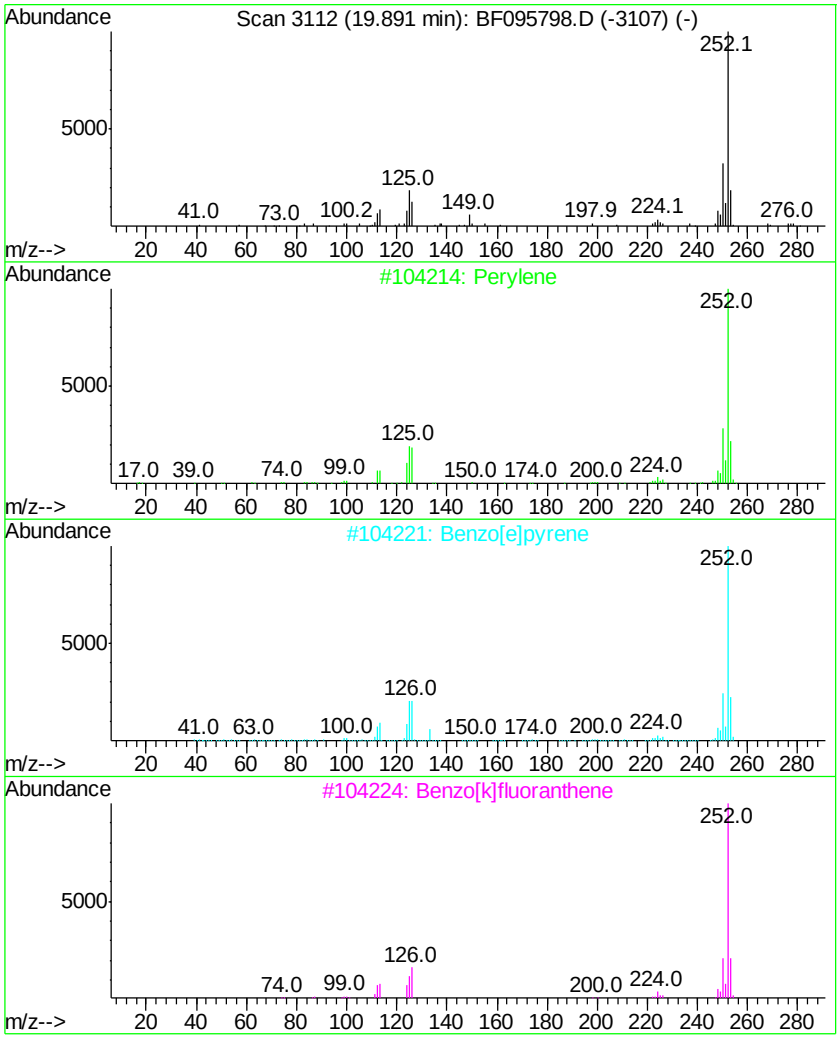
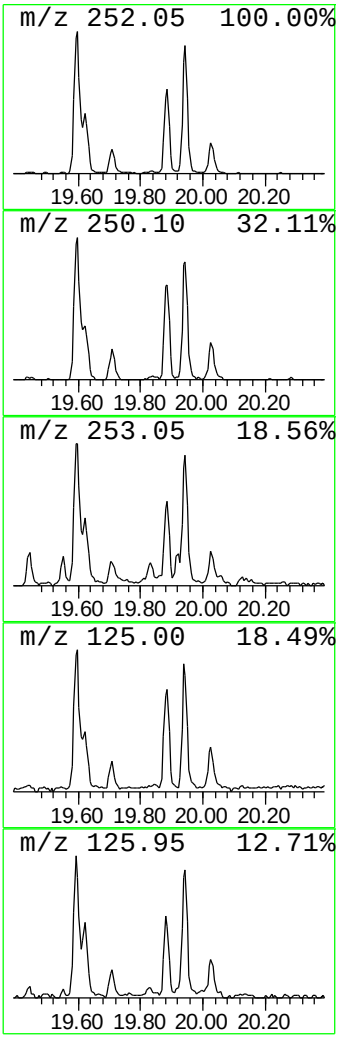
Peak Number 14 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	10.07 ng	187185	Perylene-d12	20.00

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	99
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





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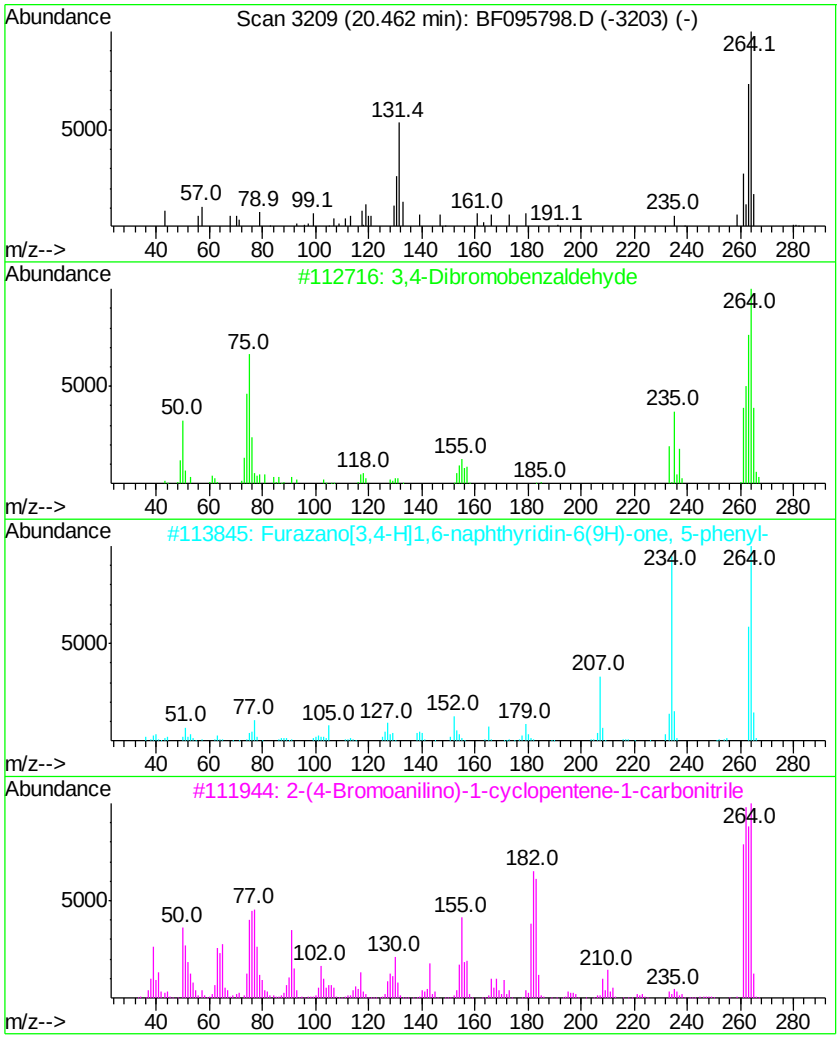
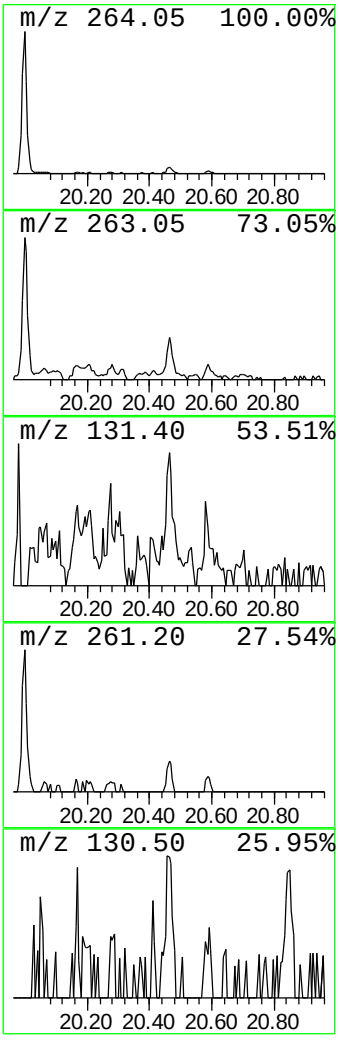
Peak Number 15 unknown20.46 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.31 ng	42904	Perylene-d12	20.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	25
2	Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	17
3	2-(4-Bromoanilino)-1-cyclopenten...	262	C12H11BrN2	191980-05-9	16
4	2-Ethoxycarbonylacetamide, N-[2-...	261	C14H15NO4	1000159-84-5	9
5	Norharmane, N-trifluoroacetyl-	264	C13H7F3N2O	1000374-78-7	9





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...	4.58	6.8	ng	131800	1	7.37	389974	20.0
unknown7.02	7.02	84.9	ng	1654580	1	7.37	389974	20.0
Phenanthrene, 1-m...	15.42	2.3	ng	66299	4	14.62	565454	20.0
Phenanthrene, 2-m...	15.46	2.8	ng	78570	4	14.62	565454	20.0
4H-Cyclopenta[def...	15.57	4.4	ng	125013	4	14.62	565454	20.0
n-Hexadecanoic acid	15.63	3.7	ng	105689	4	14.62	565454	20.0
9,10-Dimethylanth...	16.23	2.0	ng	56862	4	14.62	565454	20.0
11H-Benzo[b]fluorene	17.20	2.6	ng	100259	5	18.33	762260	20.0
Pyrene, 1-methyl-	17.34	2.4	ng	92230	5	18.33	762260	20.0
n-Tetracosanol-1	18.24	2.0	ng	77282	5	18.33	762260	20.0
Perylene	19.89	10.1	ng	187185	6	20.00	371750	20.0
unknown20.46	20.46	2.3	ng	42904	6	20.00	371750	20.0