LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.096	533	537	552	rBV	39765	110316	7.50%	0.497%
2	5.719	640	643	676	rBV	369902	1131615	76.98%	5.096%
3	7.295	908	911	927	rVV	351461	994224	67.64%	4.477%
4	7.413	927	931	947	rVB	753060	1419678	96.58%	6.393%
5	7.742	982	987	1000	rBV	393243	503809	34.27%	2.269%
6	7.978	1022	1027	1043	rBV	784035	1030966	70.14%	4.642%
7	8.648	1137	1141	1173	rBV	245672	660652	44.94%	2.975%
8	9.766	1327	1331	1348	rBV	296654	643094	43.75%	2.896%
9	11.536	1627	1632	1654	rBV	851664	1469934	100.00%	6.619%
10	12.242	1748	1752	1765	rBV	56425	116756	7.94%	0.526%
11	12.595	1807	1812	1819	rBV2	421422	703641	47.87%	3.168%
12	12.648	1819	1821	1833	rVB	69228	119204	8.11%	0.537%
13	12.966	1869	1875	1884	rBV4	10541	27769	1.89%	0.125%
14	13.424	1949	1953	1957	rBV	16202	18618	1.27%	0.084%
15	13.501	1963	1966	1977	rVB	44873	67059	4.56%	0.302%
16	13.771	2009	2012	2019	rBV4	14397	25645	1.74%	0.115%
17	13.901	2029	2034	2053	rBV	298581	584106	39.74%	2.630%
18	14.201	2081	2085	2088	rBV	13657	17317	1.18%	0.078%
19	14.401	2112	2119	2124	rBV3	13483	25627	1.74%	0.115%
20	14.742	2170	2177	2181	rBV3	7888	14890	1.01%	0.067%
21	14.783	2181	2184	2190	rVV4	17846	31269	2.13%	0.141%
22	14.836	2190	2193	2198	rVB	23406	27690	1.88%	0.125%
23	14.995	2216	2220	2224	rBV	413749	574381	39.08%	2.586%
24	15.036	2224	2227	2238	rVV	590985	819731	55.77%	3.691%
25	15.124	2238	2242	2254	rVB	102963	176302	11.99%	0.794%
26	15.218	2254	2258	2262	rBV3	12709	18999	1.29%	0.086%
27	15.424	2290	2293	2300	rVV	34873	59874	4.07%	0.270%
28	15.483	2300	2303	2307	rVV	11209	15274	1.04%	0.069%
29	15.648	2328	2331	2338	rBV5	7008	16269	1.11%	0.073%
30	15.783	2350	2354	2358	rBV	82124	93773	6.38%	0.422%
31	15.824	2358	2361	2366	rVV	96097	117116	7.97%	0.527%
32	15.901	2370	2374	2376	rVV	29159	37895	2.58%	0.171%
33	15.936	2376	2380	2384	rVV2	107667	172372	11.73%	0.776%
34	15.977	2384	2387	2393	rVB	59367	82337	5.60%	0.371%

LSC Area Percent Report

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Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.224	2425	2429	2434	rVB	54456	60804	4.14%	0.274%
36	16.289	2437	2440	2443	rBV2	28843	37090	2.52%	0.167%
37	16.430	2460	2464	2468	rBV	18720	22373	1.52%	0.101%
38	16.477	2468	2472	2475	rBV2	19645	24655	1.68%	0.111%
39	16.577	2485	2489	2492	rBV	56170	70197	4.78%	0.316%
40	16.618	2492	2496	2500	rVV2	29363	48487	3.30%	0.218%
41	16.701	2505	2510	2519	rVB4	31513	60571	4.12%	0.273%
42	16.777	2519	2523	2536	rVB	889683	1139516	77.52%	5.131%
43	16.877	2536	2540	2543	rBV4	17516	29722	2.02%	0.134%
44	16.901	2543	2544	2552	rVB5	17498	17388	1.18%	0.078%
45	16.977	2552	2557	2560	rBV	29557	36601	2.49%	0.165%
46	17.018	2560	2564	2567	rVB5	14614	16063	1.09%	0.072%
47	17.083	2567	2575	2585	rBV	949029	1169871	79.59%	5.268%
48	17.171	2587	2590	2593	rVV	16373	19540	1.33%	0.088%
49	17.230	2597	2600	2603	rVB3	16312	17785	1.21%	0.080%
50	17.271	2603	2607	2610	rBV	45186	49685	3.38%	0.224%
51	17.318	2610	2615	2623	rVB	830851	1029249	70.02%	4.635%
52	17.406	2623	2630	2637	rVB2	49702	102849	7.00%	0.463%
53	17.518	2644	2649	2651	rBV4	42987	77364	5.26%	0.348%
54	17.548	2651	2654	2660	rVB2	106704	138695	9.44%	0.625%
55	17.630	2664	2668	2673	rVB	79508	96393	6.56%	0.434%
56	17.683	2673	2677	2684	rBV5	89497	183392	12.48%	0.826%
57	17.801	2693	2697	2701	rVB2	37774	47150	3.21%	0.212%
58	17.836	2701	2703	2708	rVB3	32010	44419	3.02%	0.200%
59	17.977	2724	2727	2732	rVB5	15749	19080	1.30%	0.086%
60	18.106	2743	2749	2752	rVV5	25654	48934	3.33%	0.220%
61	18.142	2753	2755	2758	rVB4	23124	20939	1.42%	0.094%
62	18.183	2758	2762	2767	rBV5	21669	43942	2.99%	0.198%
63	18.236	2767	2771	2774	rVV	48204	58547	3.98%	0.264%
64	18.353	2784	2791	2793	rBV	56882	85534	5.82%	0.385%
65	18.377	2793	2795	2798	rVV2	87150	92936	6.32%	0.418%
66	18.412	2798	2801	2804	rVV	59978	71795	4.88%	0.323%
67	18.453	2804	2808	2811	rVV2	43016	59261	4.03%	0.267%
68	18.512	2815	2818	2823	rVV2	39275	55766	3.79%	0.251%
69	18.565	2823	2827	2833	rVV2	34740	53051	3.61%	0.239%
70	18.665	2839	2844	2848	rBV2	659495	1161655	79.03%	5.231%
71	18.706	2848	2851	2862	rVB2	441776	627095	42.66%	2.824%

LSC Area Percent Report

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Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.801	2862	2867	2875	rBV	96478	138741	9.44%	0.625%
73	18.906	2881	2885	2890	rBV8	16843	29073	1.98%	0.131%
74	18.959	2890	2894	2897	rBV3	58129	71121	4.84%	0.320%
75	19.000	2897	2901	2906	rVB4	39795	59172	4.03%	0.266%
76	19.130	2920	2923	2925	rBV3	18777	17944	1.22%	0.081%
77	19.177	2926	2931	2935	rBV	90053	134802	9.17%	0.607%
78	19.218	2935	2938	2942	rVB2	57145	70618	4.80%	0.318%
79	19.295	2943	2951	2954	rBV4	42747	85319	5.80%	0.384%
80	19.330	2954	2957	2960	rBV3	26856	41180	2.80%	0.185%
81	19.424	2969	2973	2976	rBV2	16421	22596	1.54%	0.102%
82	19.606	3001	3004	3010	rVB6	35105	65992	4.49%	0.297%
83	19.665	3010	3014	3015	rBV3	18221	22284	1.52%	0.100%
84	19.789	3031	3035	3039	rBV3	56927	74504	5.07%	0.335%
85	19.836	3040	3043	3049	rVB7	25244	42432	2.89%	0.191%
86	19.895	3050	3053	3056	rBV4	26301	31448	2.14%	0.142%
87	19.942	3057	3061	3064	rBV	419313	572629	38.96%	2.579%
88	20.053	3077	3080	3085	rBV	70357	91528	6.23%	0.412%
89	20.236	3107	3111	3115	rBV	255589	302153	20.56%	1.361%
90	20.295	3117	3121	3126	rVV	340187	391506	26.63%	1.763%
91	20.347	3126	3130	3134	rVV	335533	440010	29.93%	1.981%
92	20.377	3134	3135	3139	rVB	66481	65924	4.48%	0.297%
93	20.865	3216	3218	3224	rVB5	21385	33383	2.27%	0.150%
94	21.500	3324	3326	3330	rVB2	21476	22427	1.53%	0.101%
95	21.683	3352	3357	3364	rBV2	113889	223469	15.20%	1.006%
96	21.830	3379	3382	3388	rBV2	20631	40289	2.74%	0.181%
97	22.071	3418	3423	3432	rBV2	93795	205819	14.00%	0.927%
98	22.300	3459	3462	3469	rVB3	24210	44751	3.04%	0.202%

Sum of corrected areas: 22207710

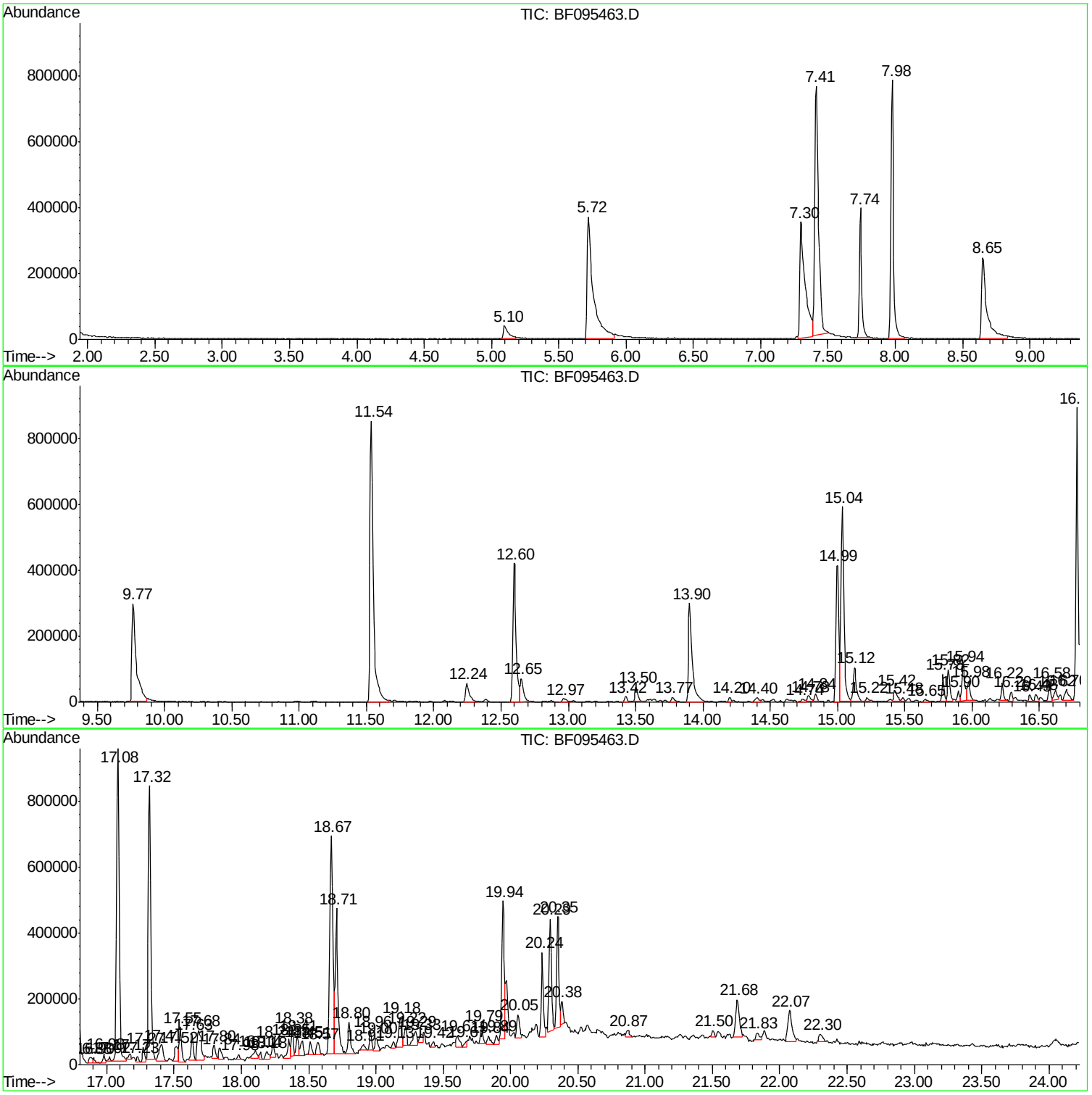
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

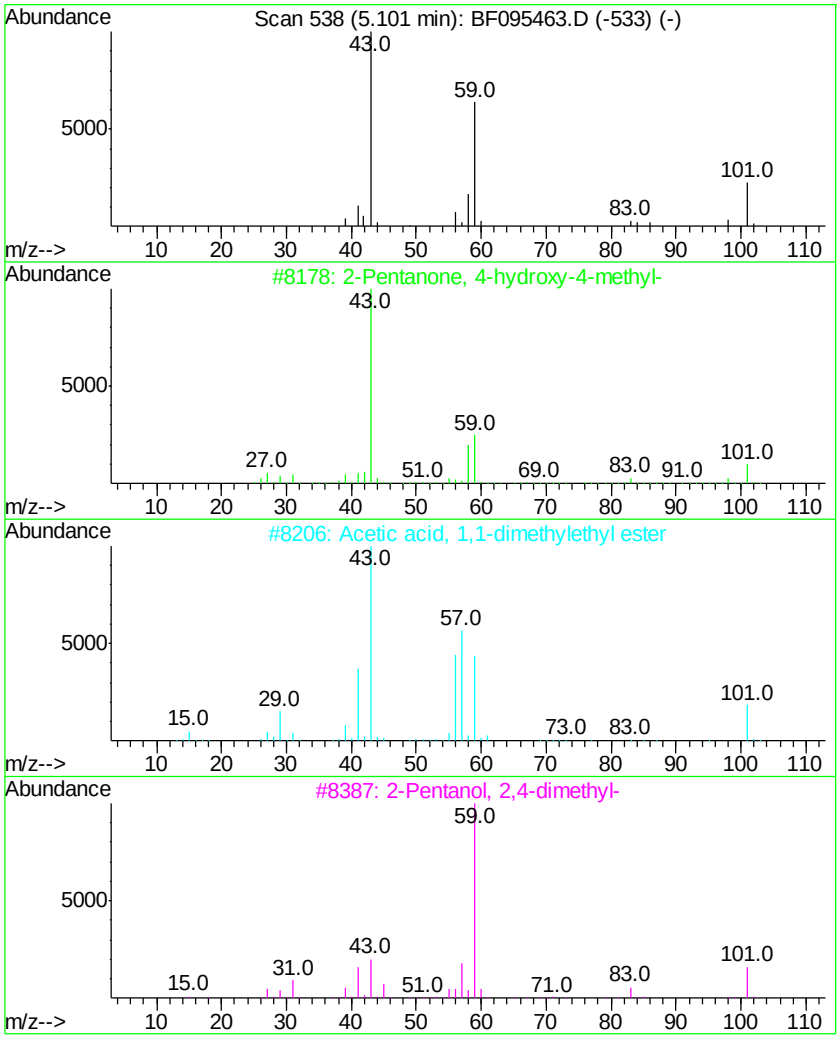
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

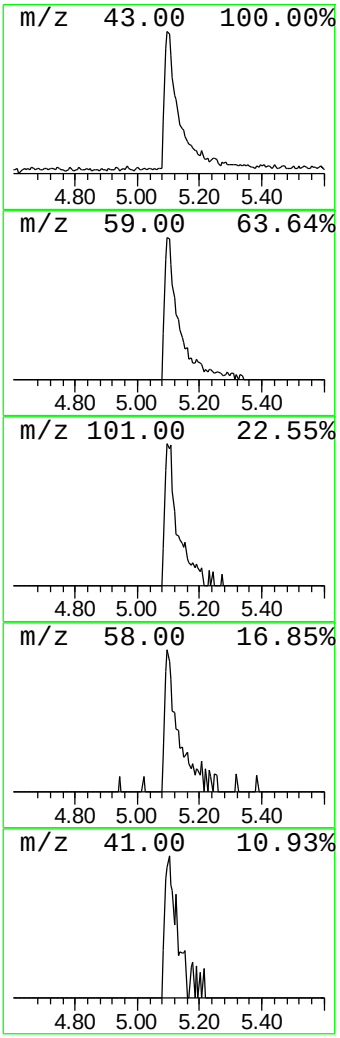
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	4.38 ng	110316	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	25
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
5	2,3-Dimethyloxirane-2-carboxylic...	130	C6H10O3	1000306-64-4	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

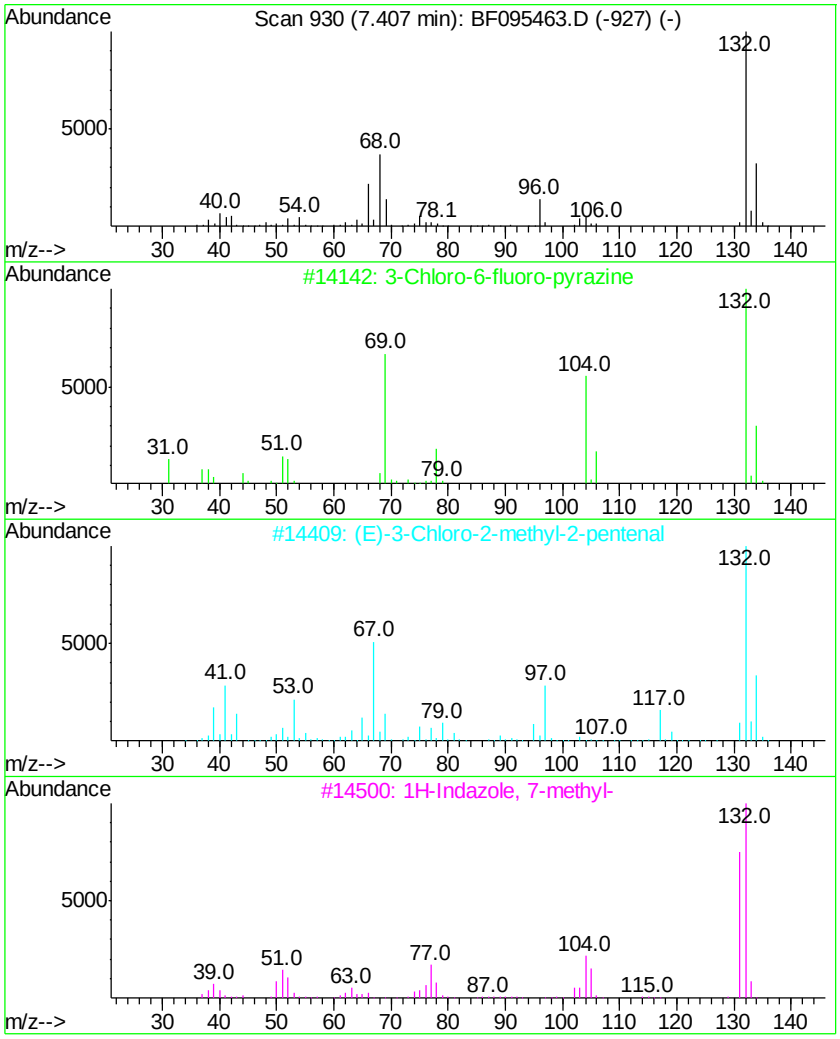
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

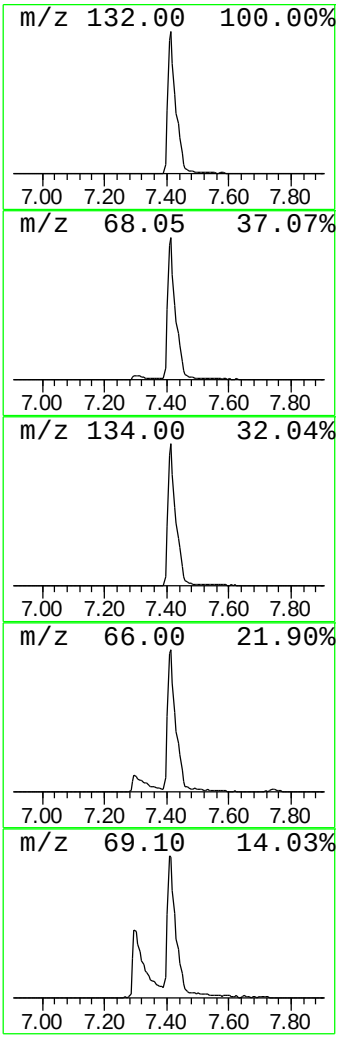
****

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	56.36 ng	1419680	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Sample : I3241-19
Misc :
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Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

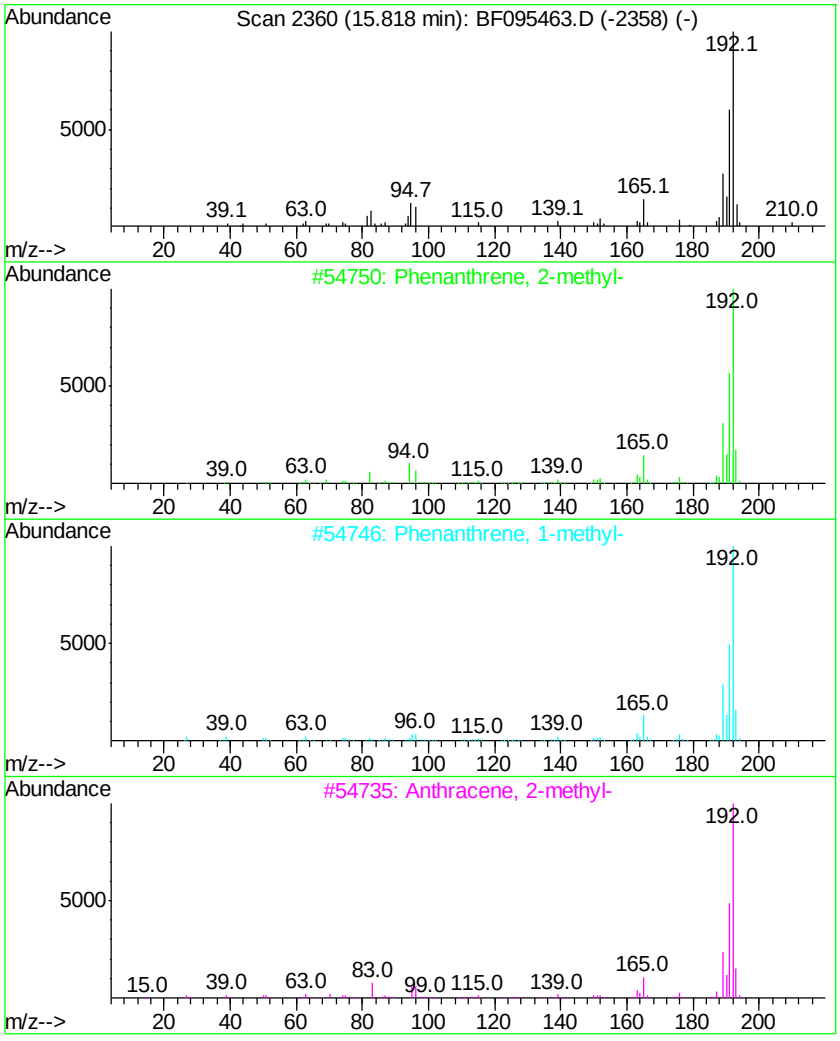
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

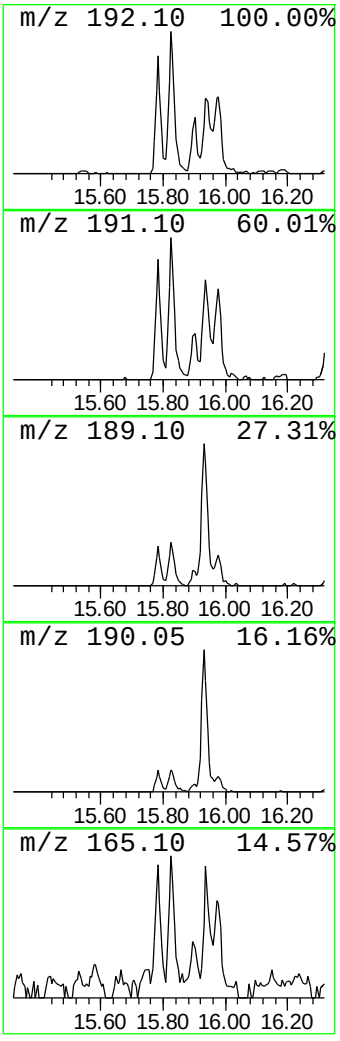
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	4.08 ng	117116	Phenanthrene-d10	15.00

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

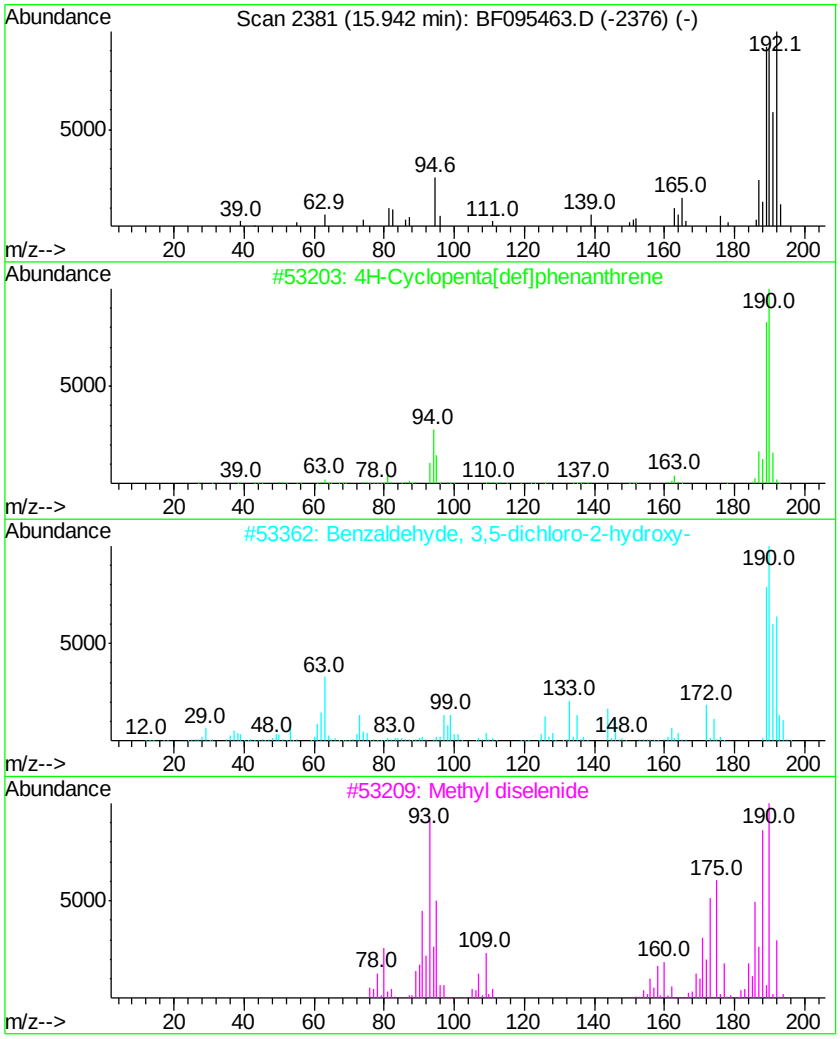
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

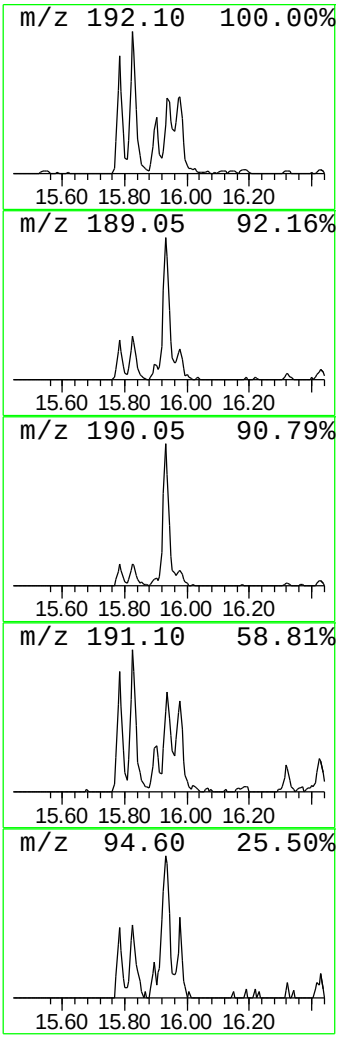
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	6.00 ng	172372	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

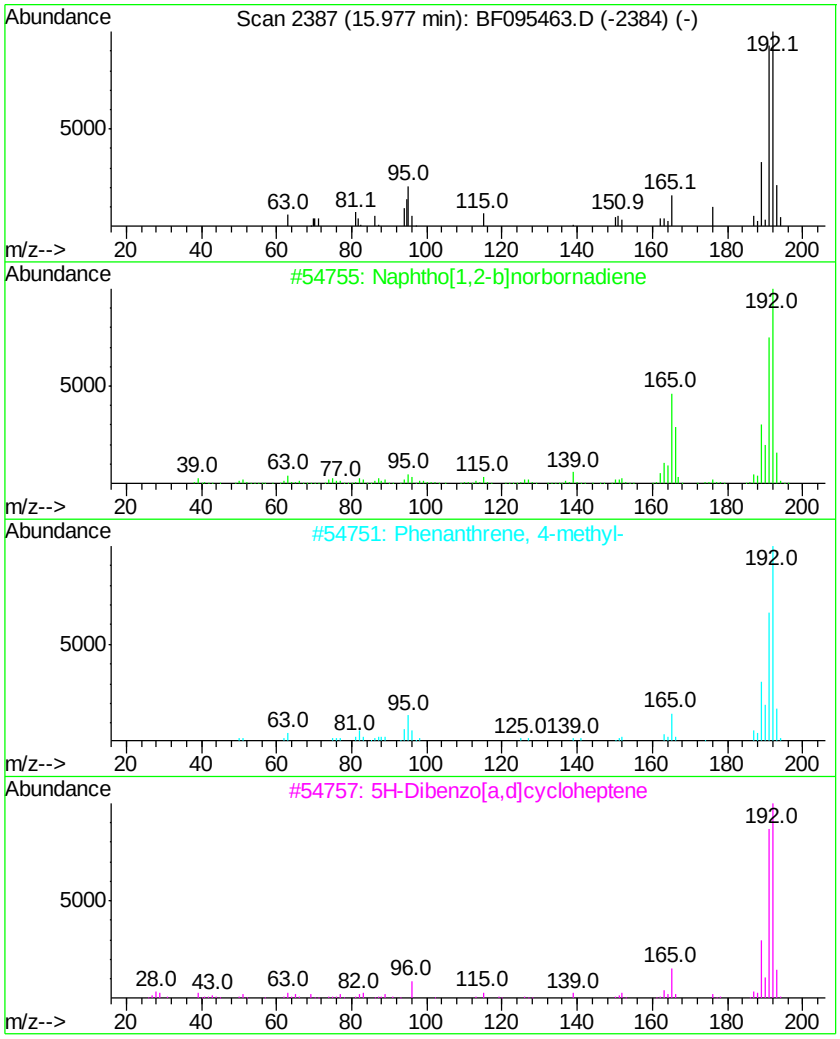
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

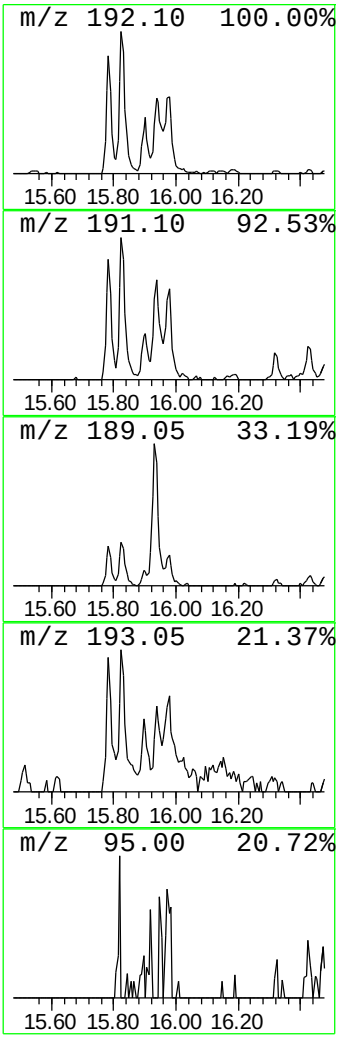
****

Peak Number 7 Naphtho[1,2-b]norbornadiene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.87 ng	82337	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	64
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	62
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	58
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	53





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Operator : SJ/MA
Sample : I3241-19
Misc :
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Instrument : BNA_F
ClientSampleId : EP1-FD01

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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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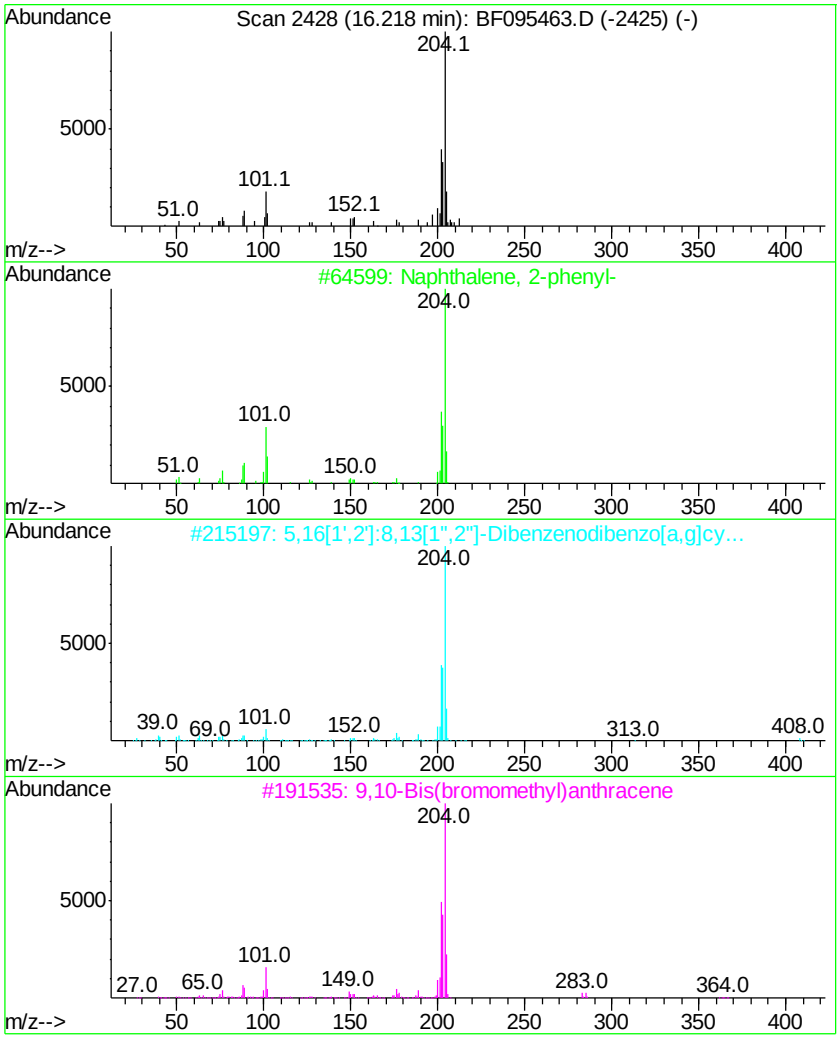
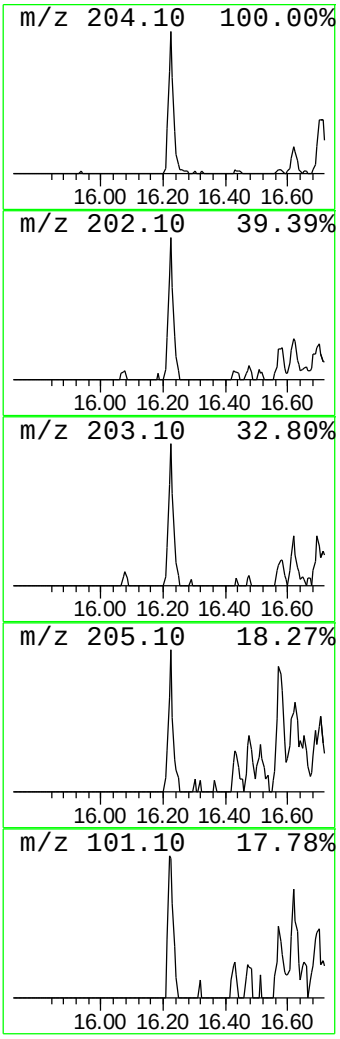
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.12 ng	60804	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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ClientSampleId : EP1-FD01

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TIC Library : C:\DATABASE\NIST11.L
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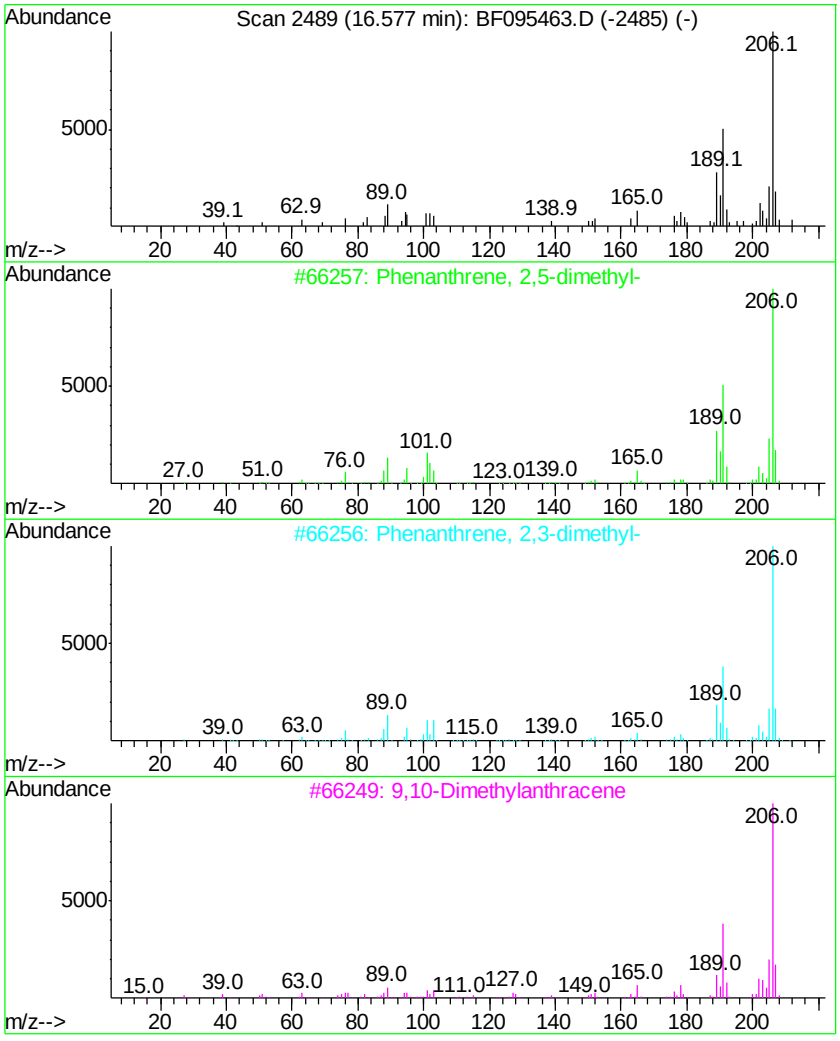
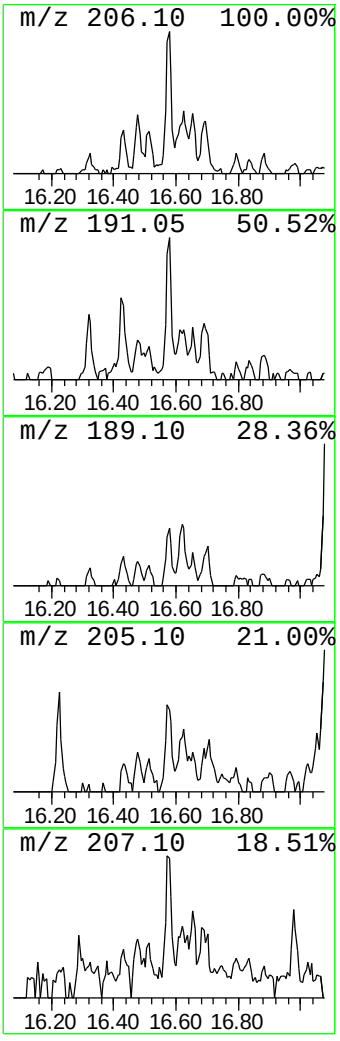
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	2.44 ng	70197	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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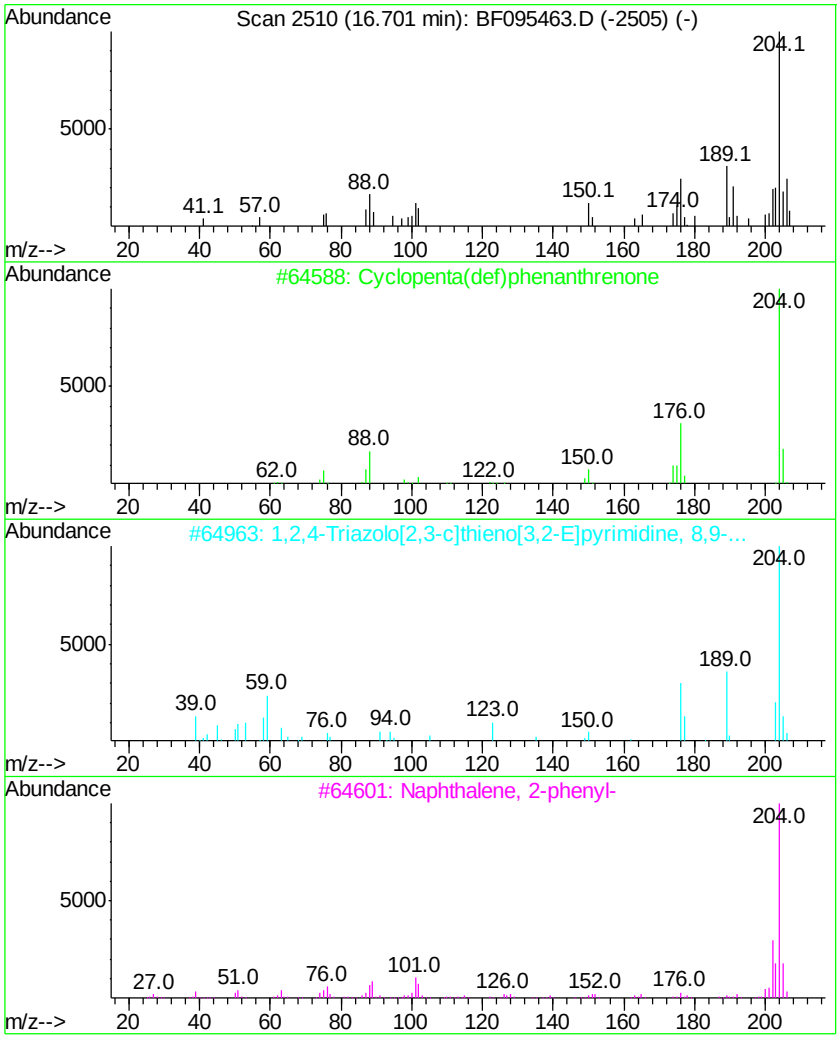
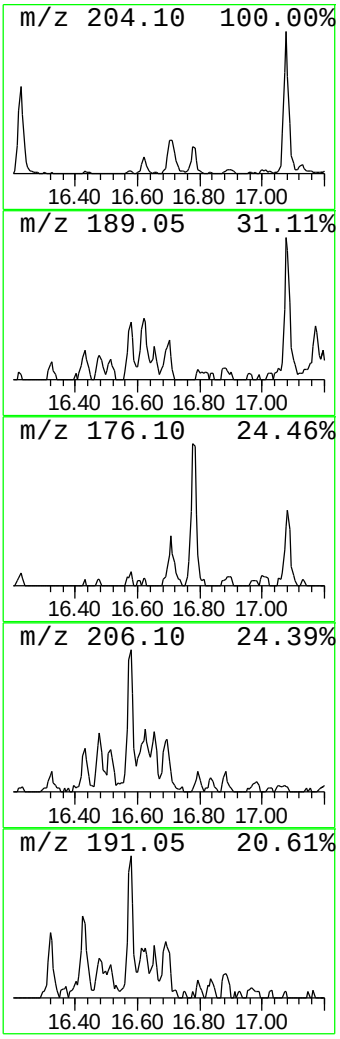
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.11 ng	60571	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	Pyridine-3-carbonitrile, 5-allyl...	204	C11H12N2S	186337-14-4	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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ClientSampleId : EP1-FD01

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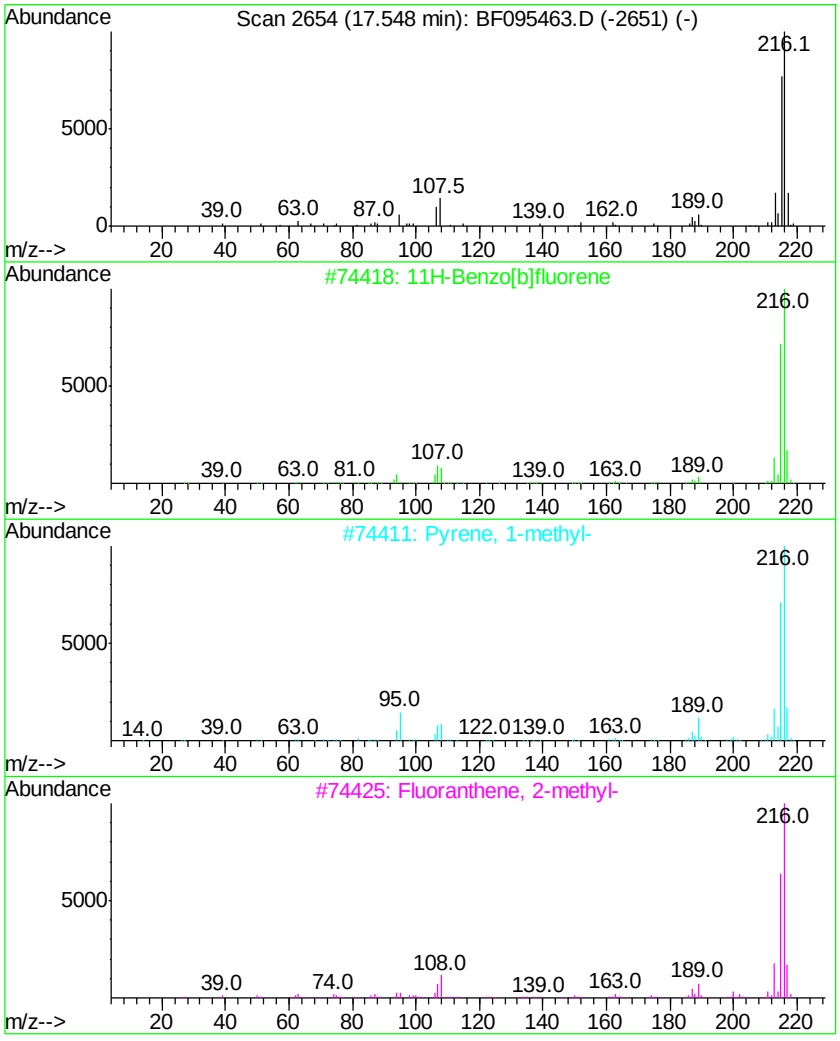
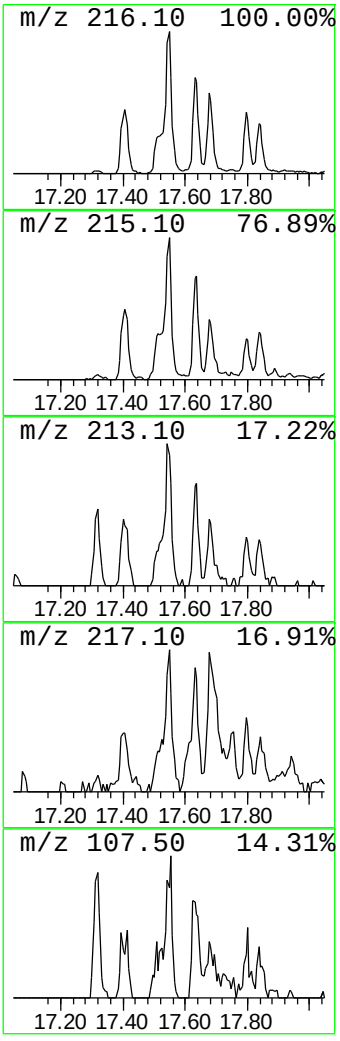
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.39 ng	138695	Chrysene-d12	18.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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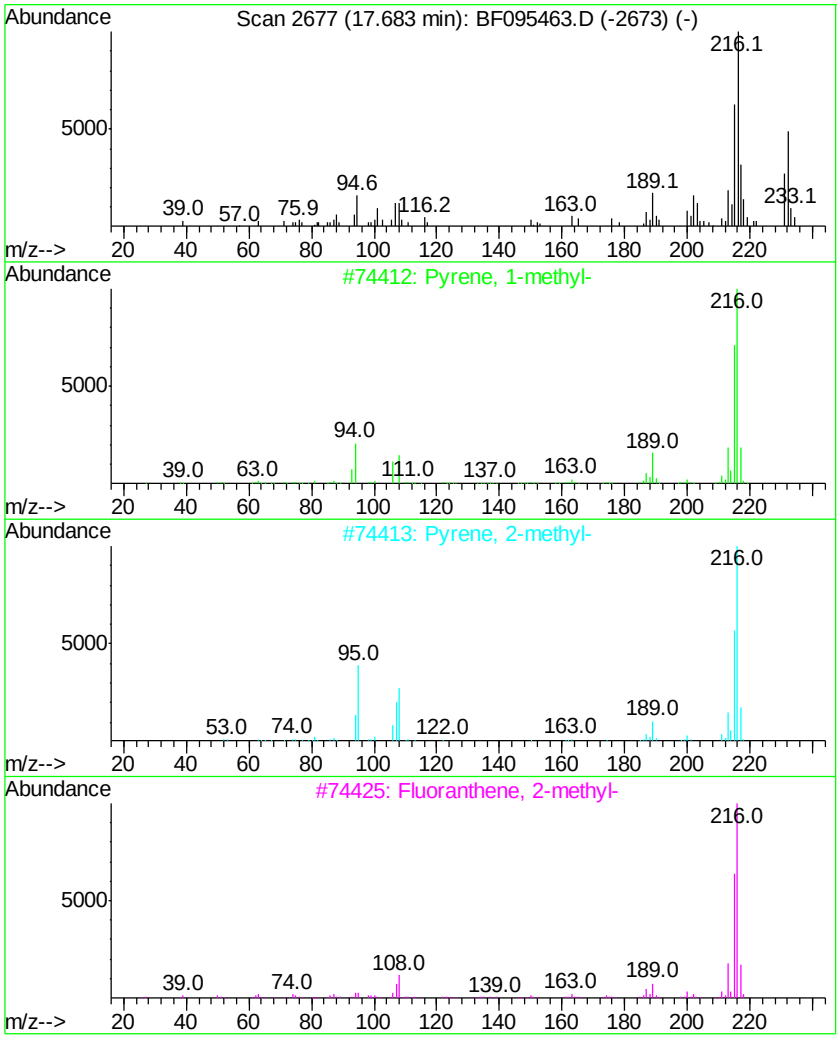
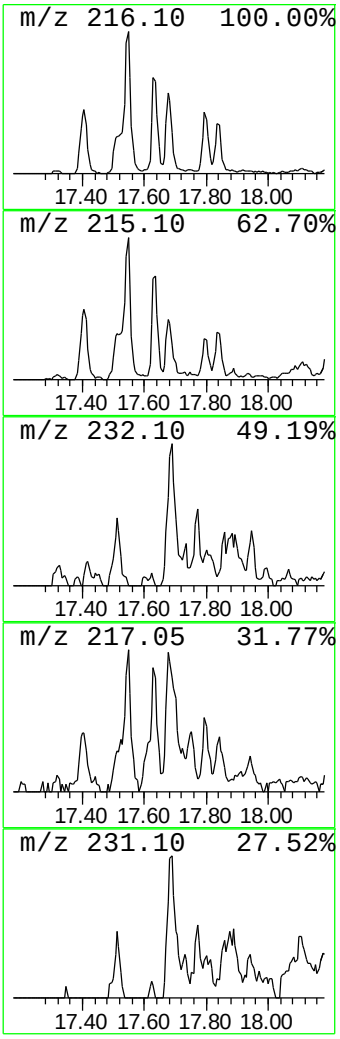
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	3.16 ng	183392	Chrysene-d12	18.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46





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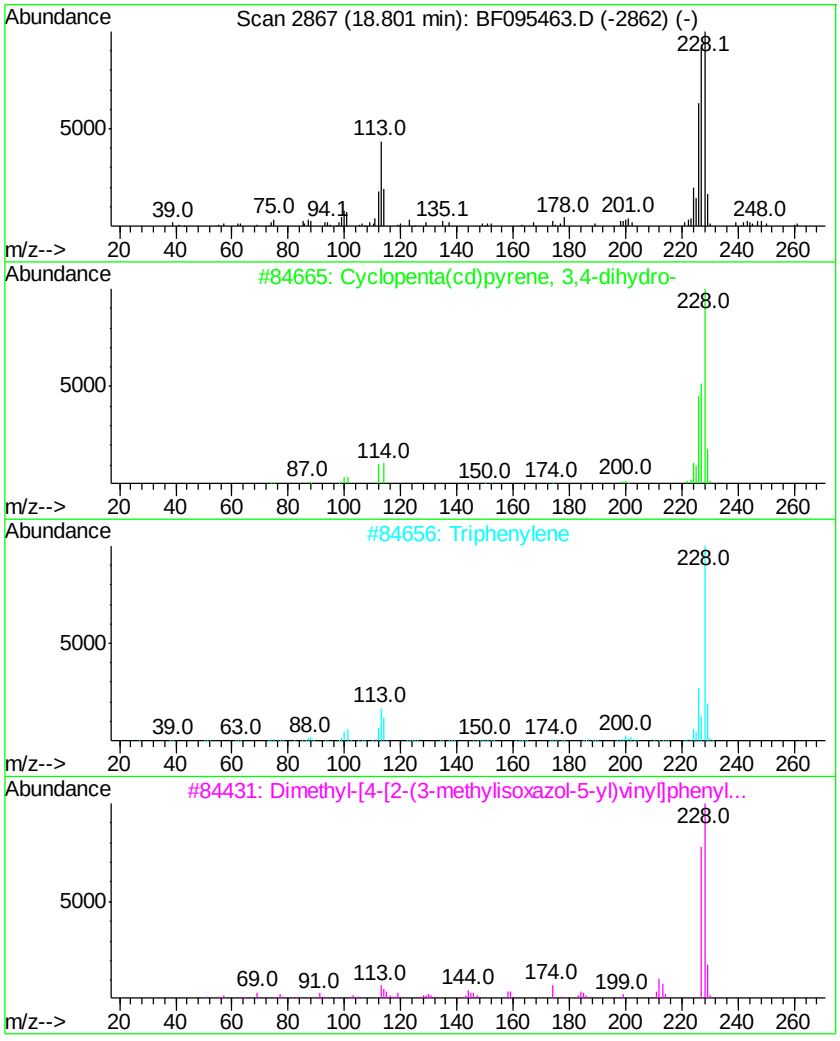
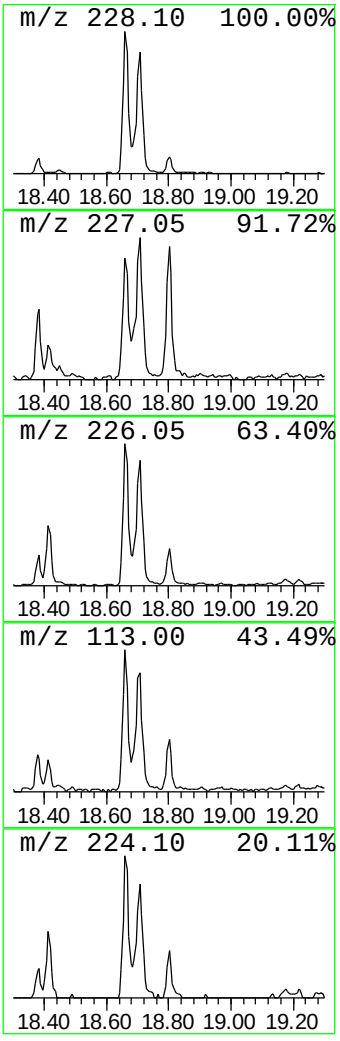
Peak Number 13 unknown18.80 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.39 ng	138741	Chrysene-d12	18.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	45
2	Triphenylene	228	C18H12	000217-59-4	43
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	43
5	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	38





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Instrument : BNA_F
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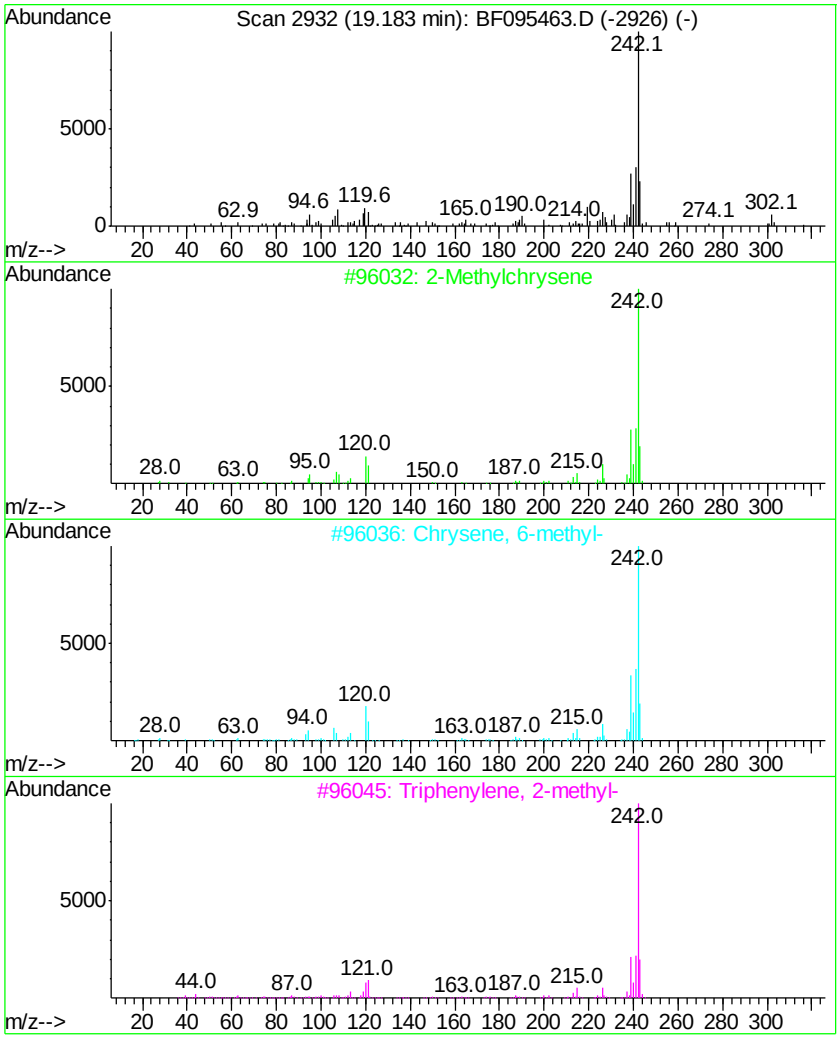
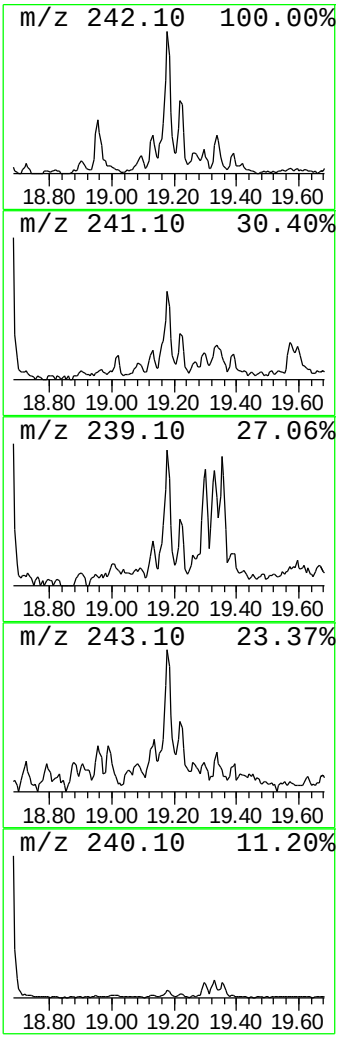
Peak Number 14 2-Methylchrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	2.32 ng	134802	Chrysene-d12	18.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	93
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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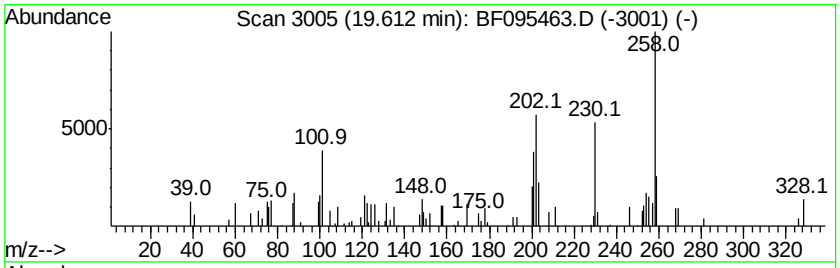
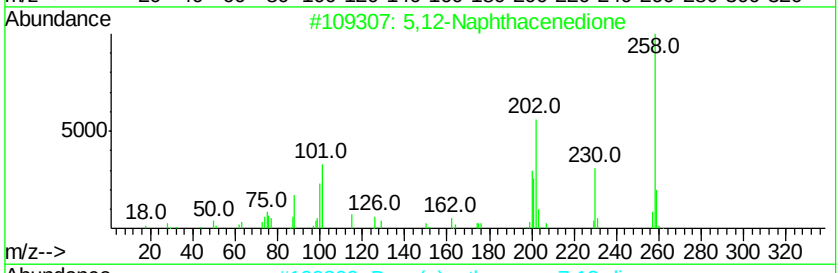
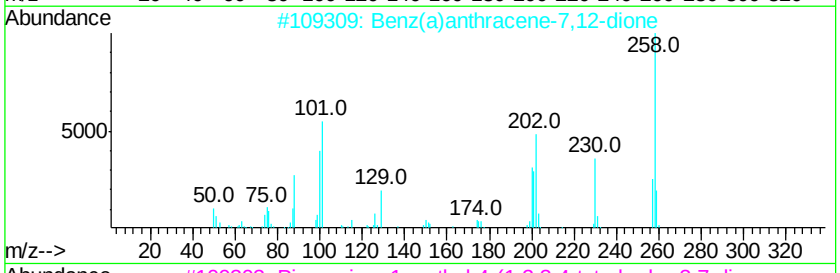
Peak Number 15 5,12-Naphthacenedione Concentration Rank 11

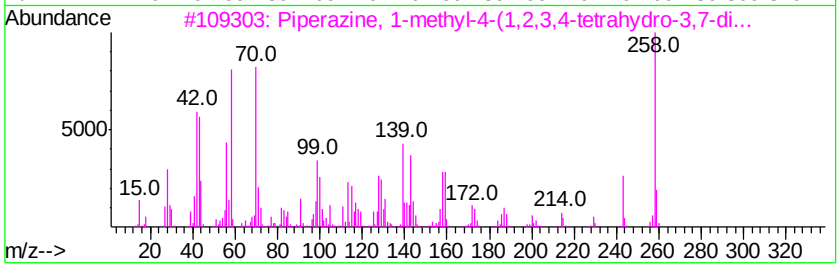
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	3.00 ng	65992	Perylene-d12	20.35

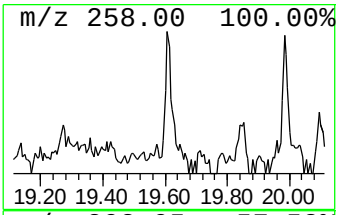
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	83
4	Benzo[h]chroman, 2,2-dimethyl-5-...	300	C18H20O4	1000129-11-3	50
5	1-Phenyl-1,4-dicyano-1,2,3,4-tet...	258	C18H14N2	025679-87-2	49

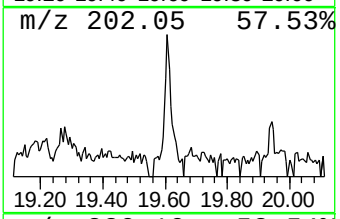


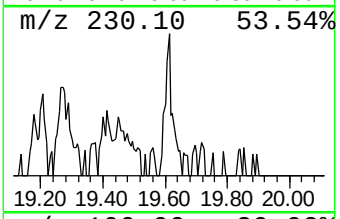


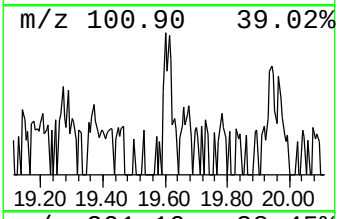


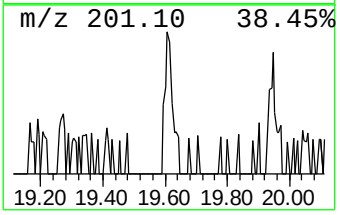












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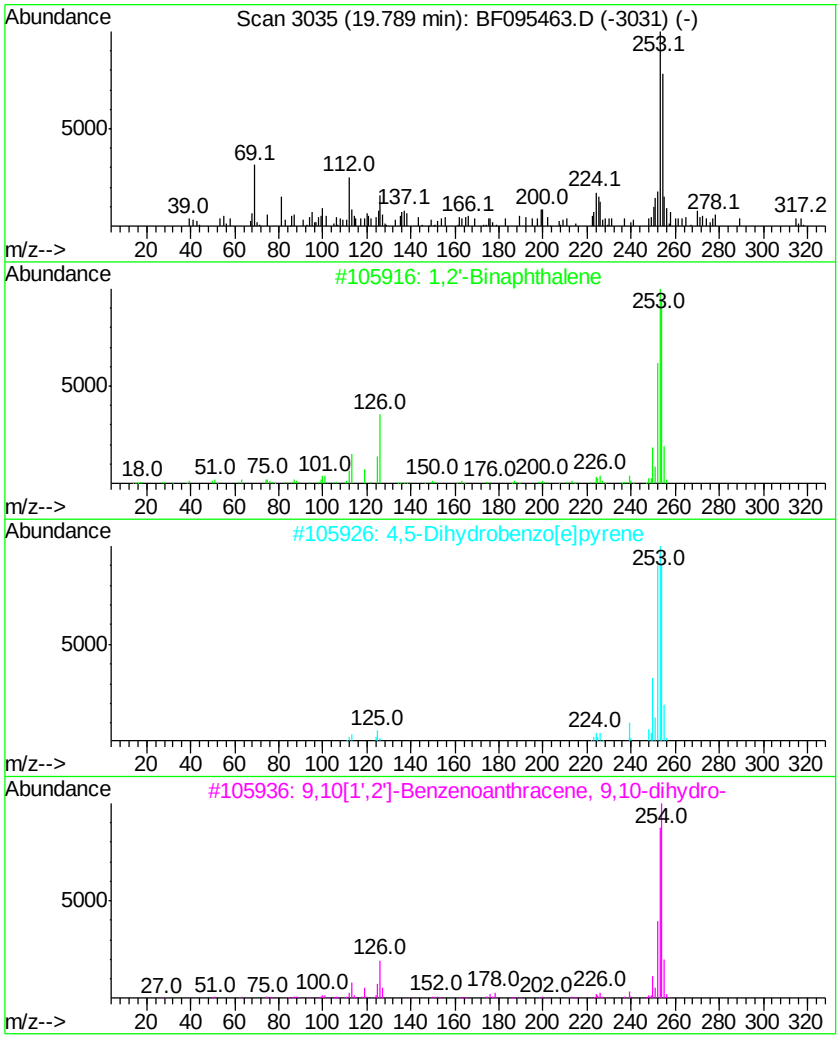
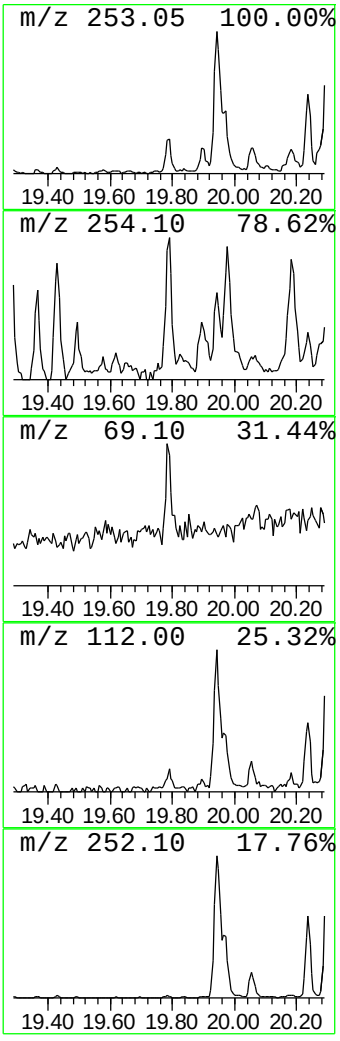
Peak Number 16 1,2'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.39 ng	74504	Perylene-d12	20.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	87
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62
4	Coumaran-6,7-diol-3-one, 2-benzy...	254	C15H10O4	029813-90-9	58
5	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	58





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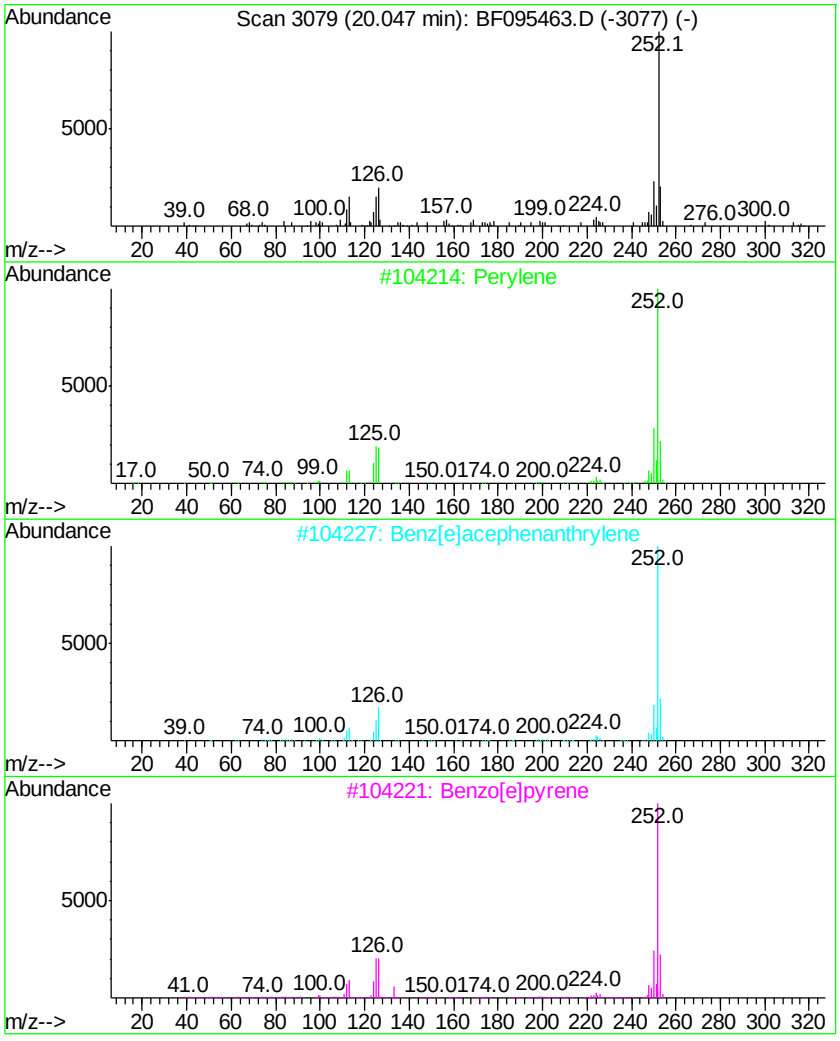
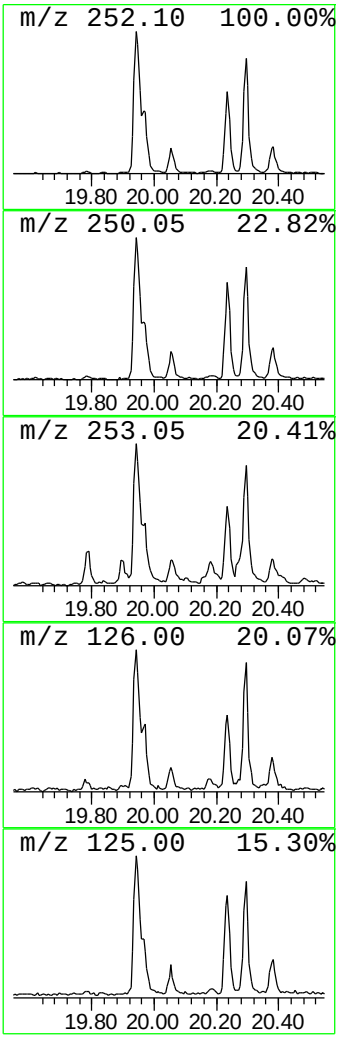
Peak Number 17 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.16 ng	91528	Perylene-d12	20.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095463.D
Acq On : 26 May 2017 16:22
Operator : SJ/MA
Sample : I3241-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-FD01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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...	5.10	4.4	ng	110316	1	7.74	503809	20.0
unknown7.41	7.41	56.4	ng	1419680	1	7.74	503809	20.0
Phenanthrene, 2-m...	15.82	4.1	ng	117116	4	15.00	574381	20.0
4H-Cyclopenta[def...	15.94	6.0	ng	172372	4	15.00	574381	20.0
Naphtho[1,2-b]nor...	15.98	2.9	ng	82337	4	15.00	574381	20.0
Naphthalene, 2-ph...	16.22	2.1	ng	60804	4	15.00	574381	20.0
Phenanthrene, 2,5...	16.58	2.4	ng	70197	4	15.00	574381	20.0
Cyclopenta(def)ph...	16.70	2.1	ng	60571	4	15.00	574381	20.0
11H-Benzo[b]fluorene	17.55	2.4	ng	138695	5	18.67	1161660	20.0
Pyrene, 1-methyl-	17.68	3.2	ng	183392	5	18.67	1161660	20.0
unknown18.80	18.80	2.4	ng	138741	5	18.67	1161660	20.0
2-Methylchrysene	19.18	2.3	ng	134802	5	18.67	1161660	20.0
5,12-Naphthacened...	19.61	3.0	ng	65992	6	20.35	440010	20.0
1,2'-Binaphthalene	19.79	3.4	ng	74504	6	20.35	440010	20.0
Perylene	20.05	4.2	ng	91528	6	20.35	440010	20.0