LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.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	3.016	3	5	26	rVB	2423981	2792985	30.20%	2.320%
2	5.404	404	411	419	rBV	2886764	4245344	45.90%	3.527%
3	6.987	672	680	697	rBV	2993622	4663305	50.42%	3.874%
4	7.351	735	742	756	rBV	3036993	4896783	52.94%	4.068%
5	7.816	814	821	829	rBV	769617	1229301	13.29%	1.021%
6	8.139	869	876	884	rBV	2474150	3953437	42.74%	3.285%
7	8.357	906	913	927	rBV	44064	105030	1.14%	0.087%
8	8.975	1010	1018	1028	rBV	1743329	2829483	30.59%	2.351%
9	10.610	1289	1296	1302	rBV	949913	1586674	17.16%	1.318%
10	12.492	1610	1616	1622	rVB	62306	95457	1.03%	0.079%
11	13.074	1708	1715	1728	rBV	4516905	6730865	72.77%	5.592%
12	13.774	1828	1834	1840	rBV	113407	192174	2.08%	0.160%
13	13.904	1849	1856	1862	rBV	596703	881734	9.53%	0.733%
14	14.010	1868	1874	1878	rBV	62638	106962	1.16%	0.089%
15	14.174	1895	1902	1914	rBV	528597	833104	9.01%	0.692%
16	14.457	1940	1950	1956	rBV	1294030	2025862	21.90%	1.683%
17	14.515	1956	1960	1968	rVB2	79545	136967	1.48%	0.114%
18	14.857	2010	2018	2025	rVB	101355	192704	2.08%	0.160%
19	14.927	2025	2030	2035	rVB	88313	128192	1.39%	0.107%
20	15.068	2046	2054	2060	rBV4	96672	243086	2.63%	0.202%
21	15.321	2093	2097	2103	rVB2	110189	159222	1.72%	0.132%
22	15.498	2122	2127	2130	rBV3	128995	208449	2.25%	0.173%
23	15.621	2139	2148	2151	rBV4	52985	115788	1.25%	0.096%
24	15.715	2158	2164	2171	rVB4	62487	122069	1.32%	0.101%
25	15.792	2171	2177	2180	rBV2	65124	113228	1.22%	0.094%
26	15.939	2194	2202	2210	rBV	3510407	4973986	53.78%	4.132%
27	16.021	2210	2216	2226	rVB3	43335	107971	1.17%	0.090%
28	16.174	2236	2242	2251	rVB2	165675	295519	3.20%	0.246%
29	16.315	2261	2266	2270	rBV	49467	100571	1.09%	0.084%
30	16.498	2290	2297	2302	rBV4	90998	218600	2.36%	0.182%
31	16.551	2302	2306	2312	rVB	82550	119553	1.29%	0.099%
32	16.733	2329	2337	2339	rBV3	60470	118989	1.29%	0.099%
33	16.768	2340	2343	2347	rVB	72362	100019	1.08%	0.083%
34	16.845	2352	2356	2364	rVB3	131760	244728	2.65%	0.203%

LSC Area Percent Report

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Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.921	2365	2369	2374	rBV3	51948	110086	1.19%	0.091%
36	17.009	2380	2384	2393	rVB	138634	246772	2.67%	0.205%
37	17.192	2409	2415	2418	rBV	1575200	2183965	23.61%	1.814%
38	17.233	2418	2422	2429	rVV	2054241	2889078	31.24%	2.400%
39	17.321	2433	2437	2442	rVV	549355	768774	8.31%	0.639%
40	17.380	2442	2447	2453	rVV3	106403	206483	2.23%	0.172%
41	17.503	2465	2468	2472	rVB	98003	127216	1.38%	0.106%
42	17.592	2474	2483	2487	rBV	109955	267102	2.89%	0.222%
43	17.709	2499	2503	2507	rVB2	93605	133801	1.45%	0.111%
44	17.768	2510	2513	2519	rVB	199939	259412	2.80%	0.216%
45	17.915	2534	2538	2543	rVB	91221	158393	1.71%	0.132%
46	17.986	2545	2550	2554	rBV2	87289	141087	1.53%	0.117%
47	18.068	2559	2564	2566	rVV	745815	1109237	11.99%	0.922%
48	18.115	2566	2572	2580	rVV2	1000269	2064235	22.32%	1.715%
49	18.192	2581	2585	2590	rVV	296413	470128	5.08%	0.391%
50	18.256	2590	2596	2600	rVV2	905818	1742754	18.84%	1.448%
51	18.298	2600	2603	2609	rVB	675689	885787	9.58%	0.736%
52	18.386	2614	2618	2627	rVV5	110263	306093	3.31%	0.254%
53	18.462	2627	2631	2635	rVB2	104215	165404	1.79%	0.137%
54	18.568	2644	2649	2652	rBV2	363956	478299	5.17%	0.397%
55	18.603	2652	2655	2667	rVB2	311926	545671	5.90%	0.453%
56	18.692	2667	2670	2673	rBV	71261	119751	1.29%	0.099%
57	18.786	2682	2686	2687	rBV2	101850	118976	1.29%	0.099%
58	18.815	2687	2691	2695	rVV	280248	428391	4.63%	0.356%
59	18.862	2696	2699	2703	rVV	319818	460254	4.98%	0.382%
60	18.903	2703	2706	2710	rVB	237960	305456	3.30%	0.254%
61	18.986	2715	2720	2724	rVV	848871	1264626	13.67%	1.051%
62	19.045	2724	2730	2733	rVV3	372696	831524	8.99%	0.691%
63	19.080	2733	2736	2739	rVB	285994	341459	3.69%	0.284%
64	19.121	2739	2743	2751	rBV3	433662	822255	8.89%	0.683%
65	19.250	2759	2765	2771	rBV	3480619	4557072	49.27%	3.786%
66	19.315	2772	2776	2778	rBV2	159462	206433	2.23%	0.172%
67	19.350	2778	2782	2787	rVV3	172745	292657	3.16%	0.243%
68	19.397	2787	2790	2794	rVB	271038	314131	3.40%	0.261%
69	19.445	2794	2798	2801	rVB2	196351	256228	2.77%	0.213%
70	19.492	2803	2806	2809	rBV2	173512	240373	2.60%	0.200%
71	19.609	2817	2826	2835	rBV	3904548	6211236	67.16%	5.160%

LSC Area Percent Report

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Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

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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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.692	2835	2840	2845	rVB3	358321	602735	6.52%	0.501%
73	19.815	2853	2861	2865	rBV	7769328	9249000	100.00%	7.684%
74	19.939	2876	2882	2893	rBV5	515716	1340802	14.50%	1.114%
75	20.074	2900	2905	2907	rBV4	397449	692574	7.49%	0.575%
76	20.103	2907	2910	2914	rVB	750115	1020136	11.03%	0.848%
77	20.203	2924	2927	2931	rVB	304915	369106	3.99%	0.307%
78	20.262	2933	2937	2942	rVB2	691068	955146	10.33%	0.794%
79	20.403	2957	2961	2965	rBV	642156	824274	8.91%	0.685%
80	20.450	2965	2969	2973	rVB	573287	801559	8.67%	0.666%
81	20.850	3033	3037	3044	rVB	625329	998874	10.80%	0.830%
82	20.944	3050	3053	3057	rVB	191301	213015	2.30%	0.177%
83	20.997	3059	3062	3063	rBV2	307436	317659	3.43%	0.264%
84	21.056	3069	3072	3074	rBV	282050	289810	3.13%	0.241%
85	21.086	3074	3077	3083	rVV4	1456369	1935786	20.93%	1.608%
86	21.144	3084	3087	3095	rVB2	450000	699827	7.57%	0.581%
87	21.362	3118	3124	3129	rBV2	3047020	6476449	70.02%	5.381%
88	21.409	3129	3132	3142	rVB	2236260	3004864	32.49%	2.496%
89	21.533	3149	3153	3157	rBV3	350803	597731	6.46%	0.497%
90	21.927	3217	3220	3224	rVB	666698	807229	8.73%	0.671%
91	21.980	3225	3229	3235	rVB	1074149	1410436	15.25%	1.172%
92	22.127	3250	3254	3257	rBV	411339	564592	6.10%	0.469%
93	22.962	3391	3396	3400	rBV	1636403	3300621	35.69%	2.742%
94	23.450	3474	3479	3488	rVB	989974	1867369	20.19%	1.551%
95	23.544	3490	3495	3503	rVB	1525170	2760858	29.85%	2.294%
96	23.644	3507	3512	3517	rBV	1369300	2365560	25.58%	1.965%

Sum of corrected areas: 120364752

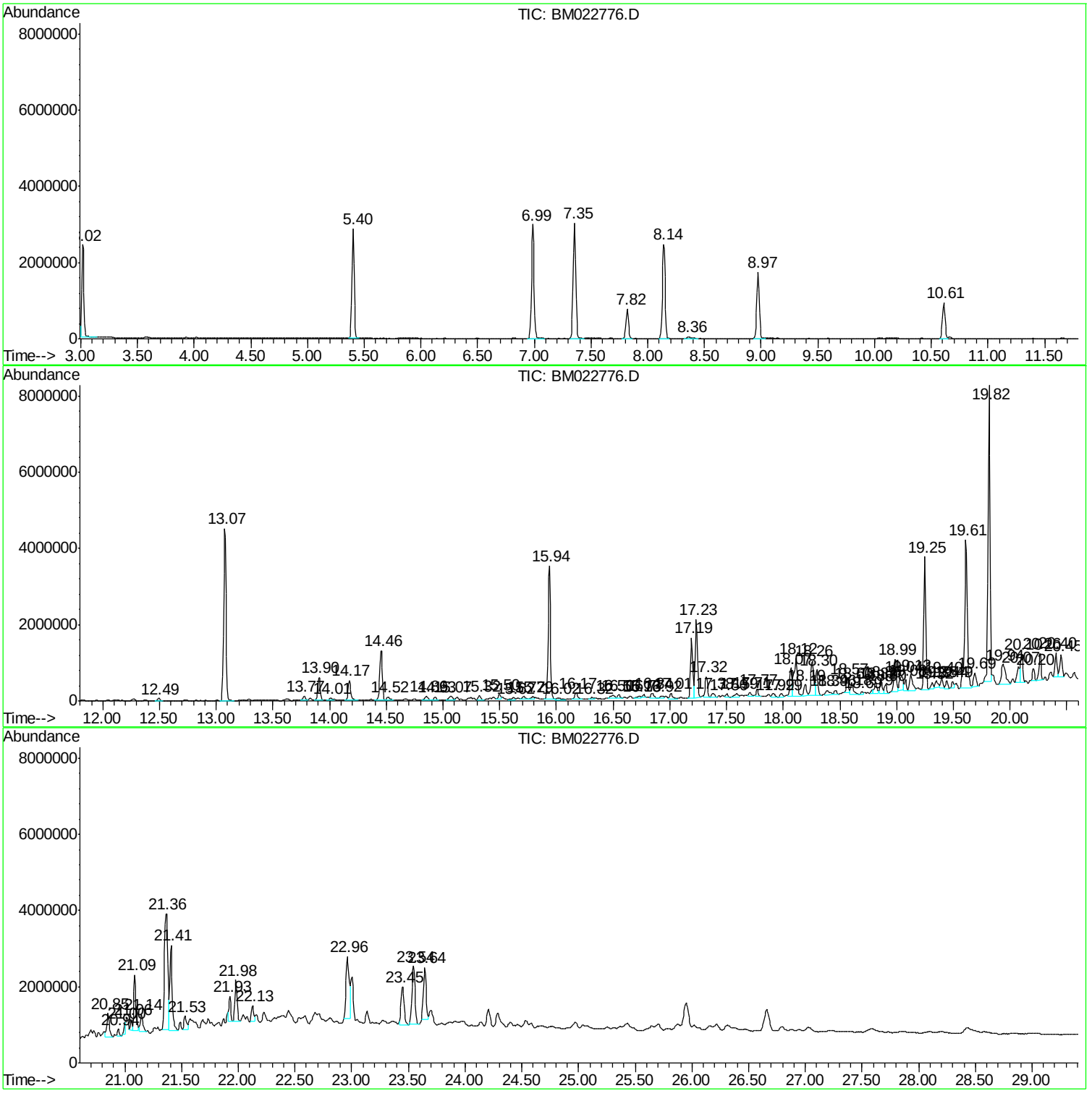
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

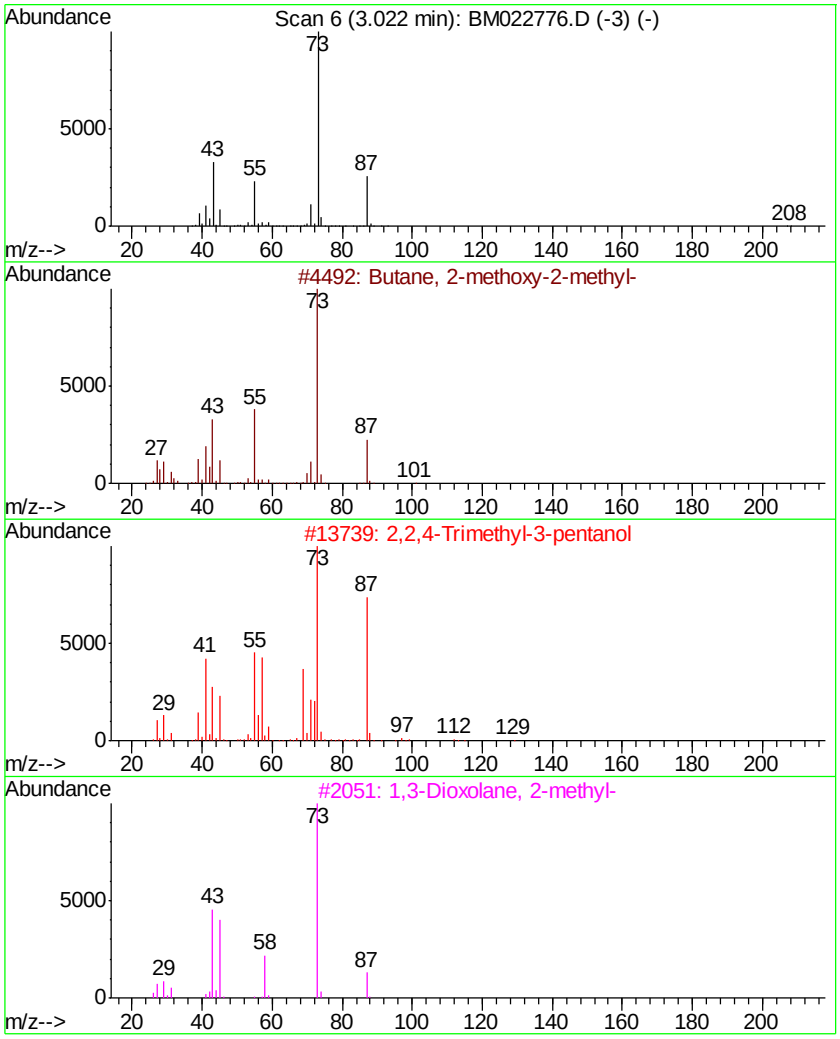
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

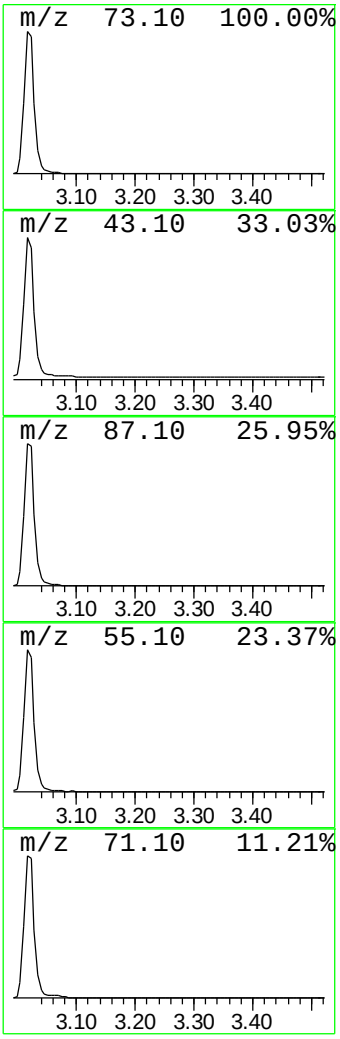
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	45.44 ng	2792990	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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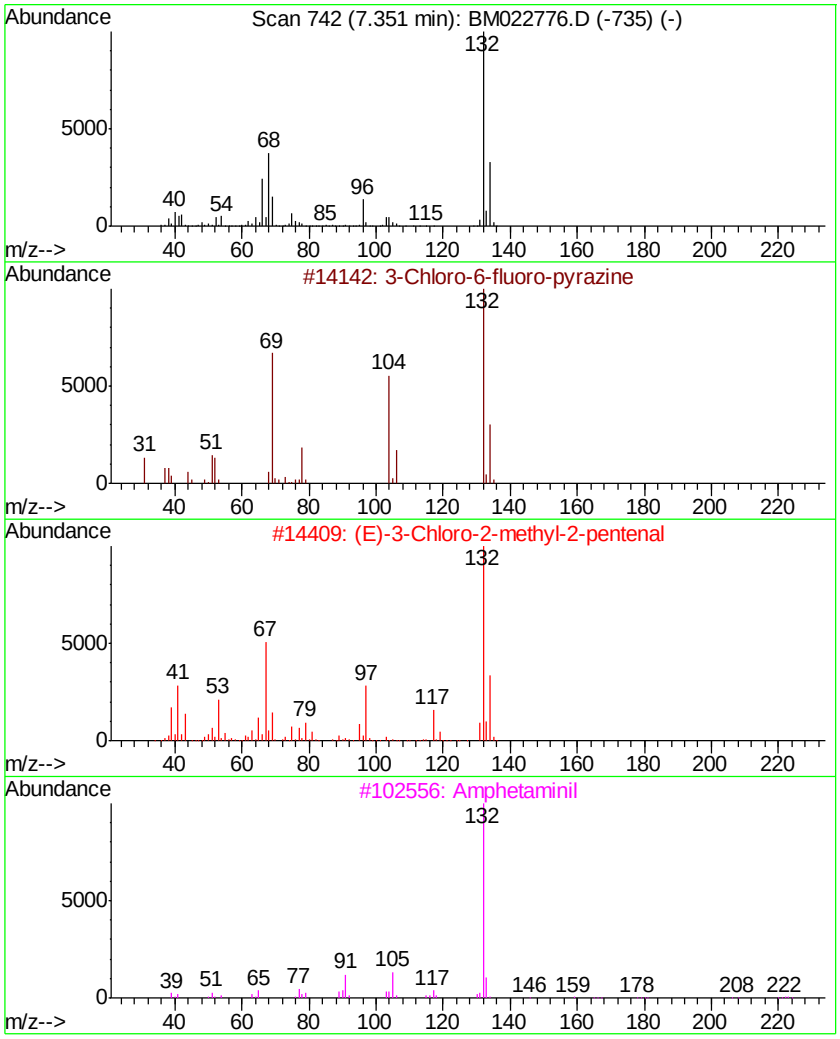
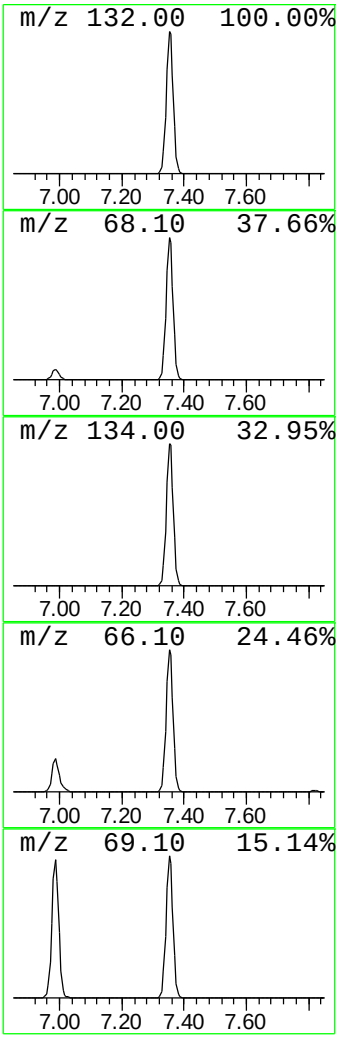
****

Peak Number 2 unknown7.35 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	79.67 ng	4896780	1,4-Dichlorobenzene-d4	7.82

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	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
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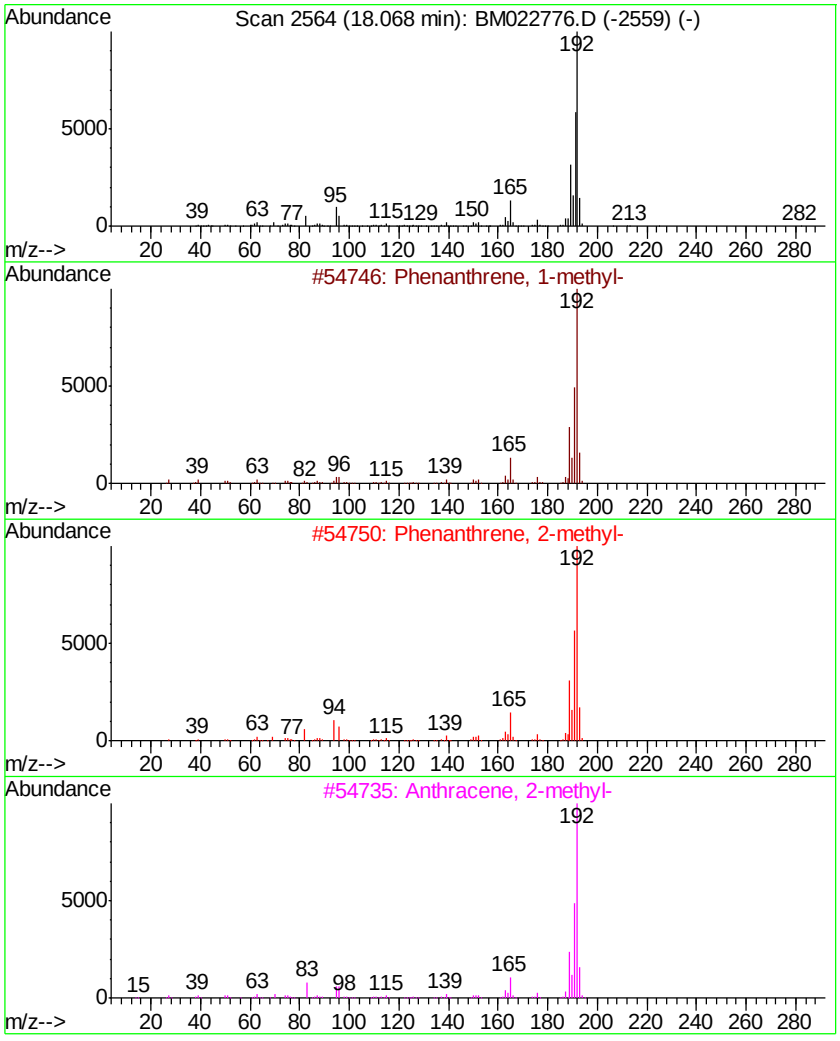
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

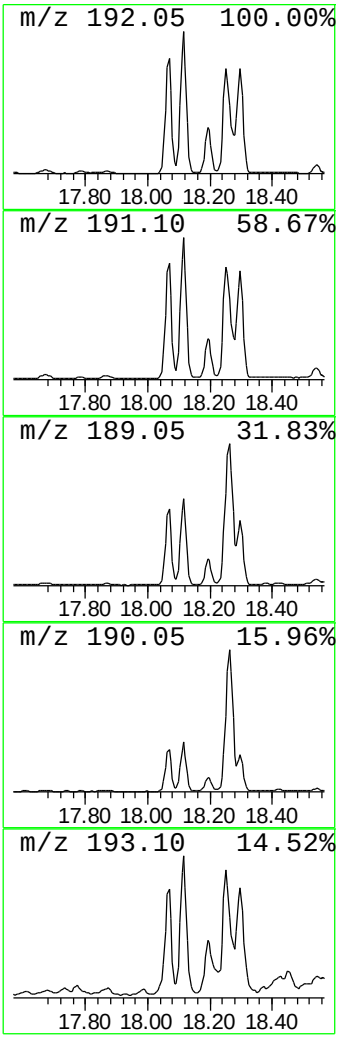
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	10.16 ng	1109240	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

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Data File : BM022776.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

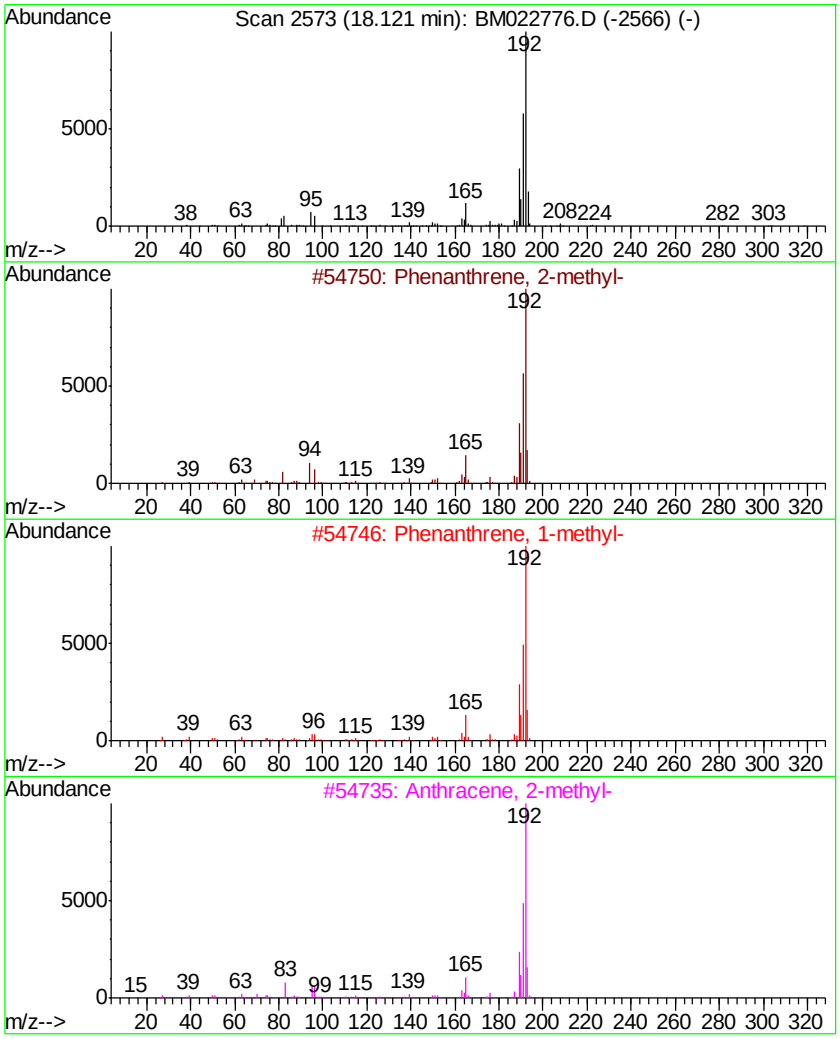
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

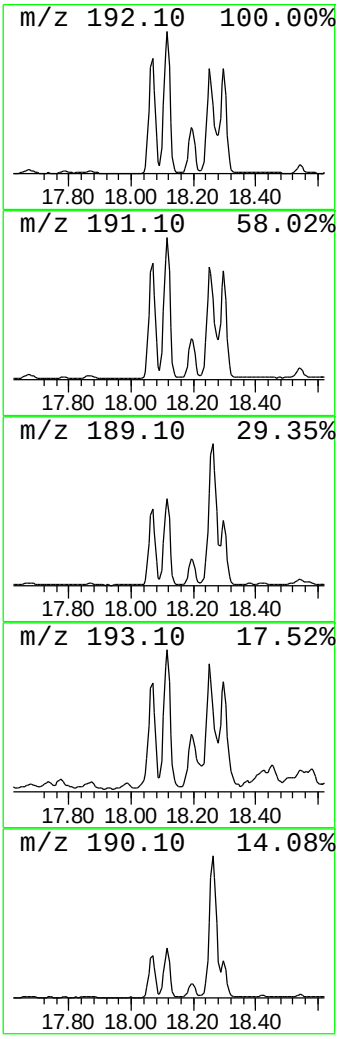
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	18.90 ng	2064240	Phenanthrene-d10	17.19

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	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.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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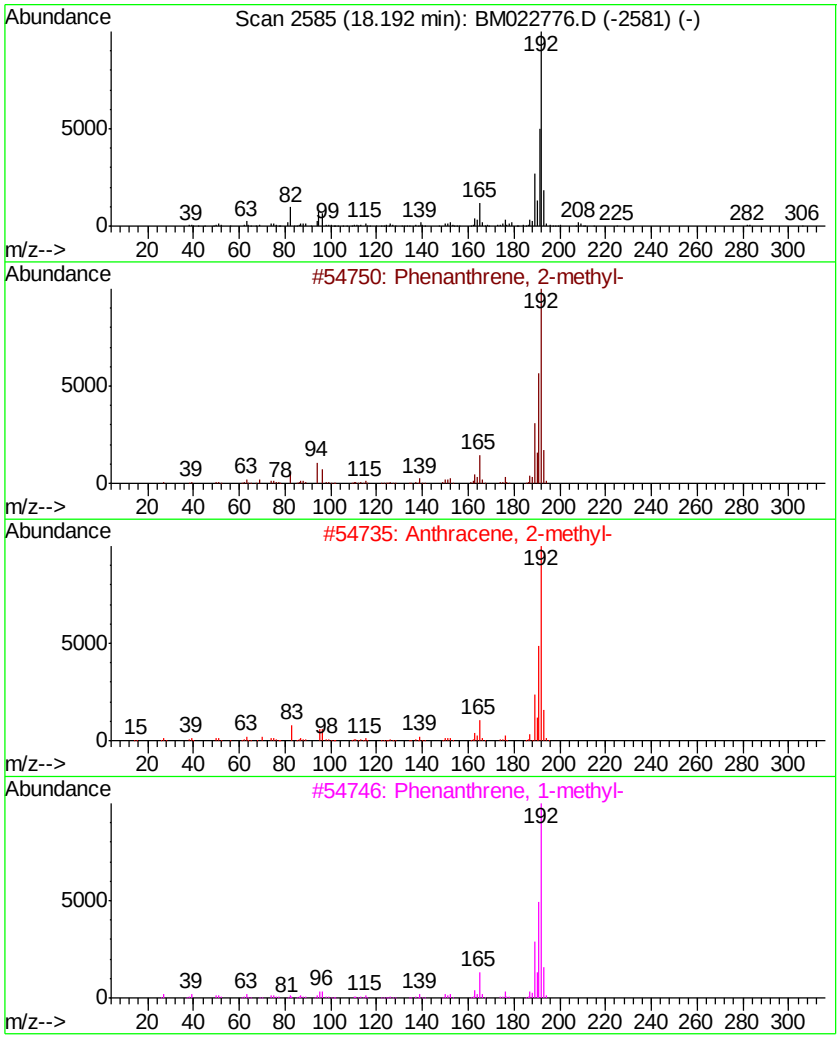
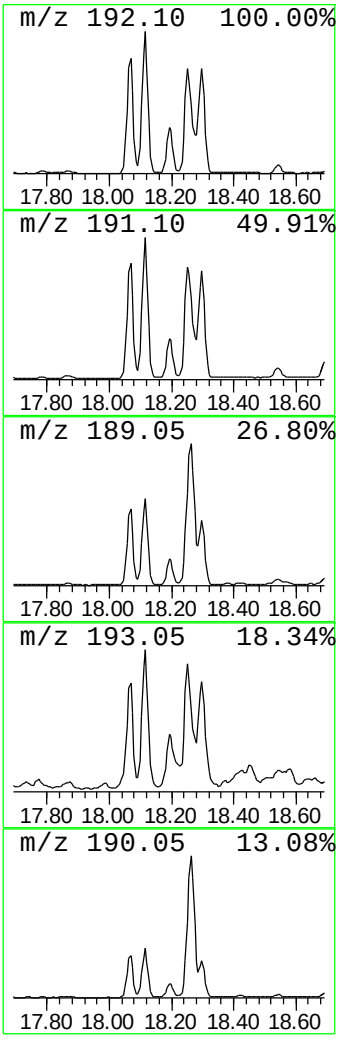
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.31 ng	470128	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : K4997-03
Misc :
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Instrument : BNA_M
ClientSampleId : WC-09-091919

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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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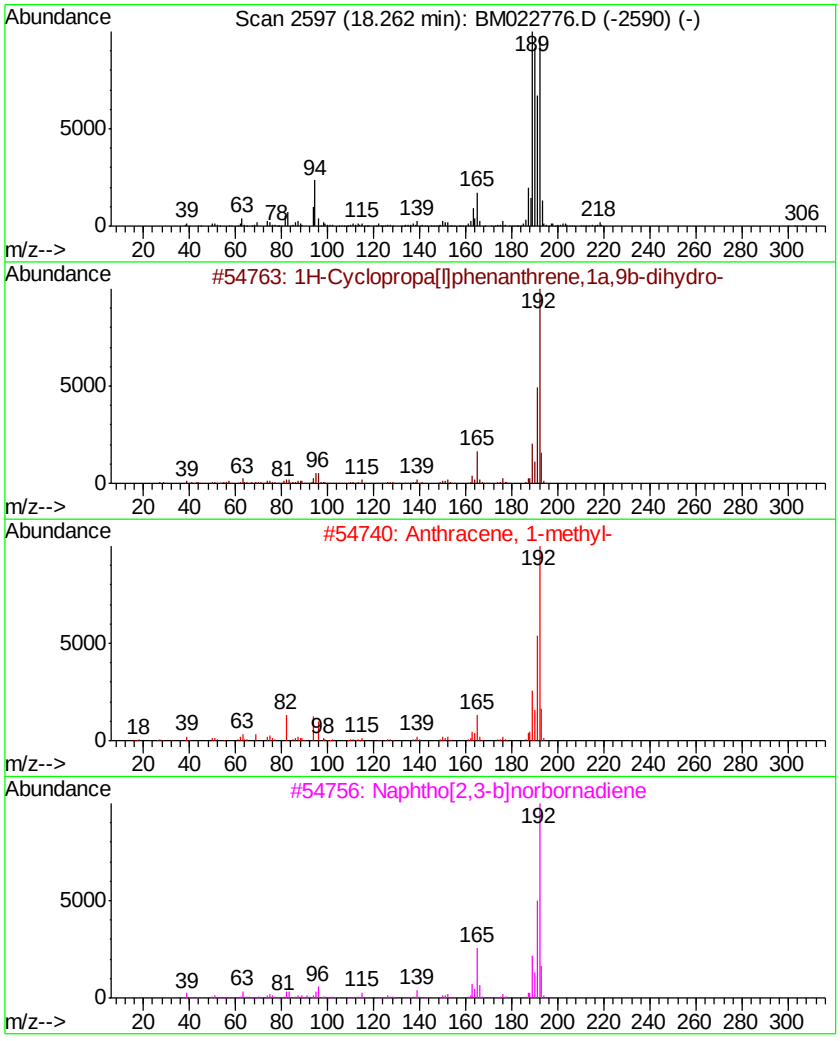
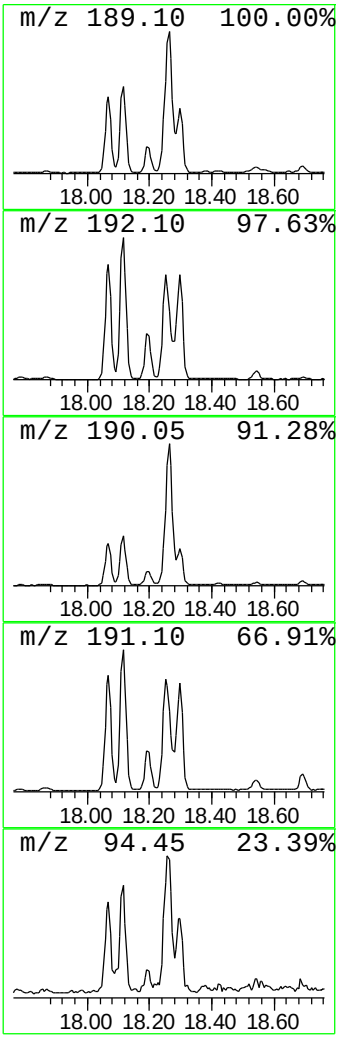
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	15.96 ng	1742750	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





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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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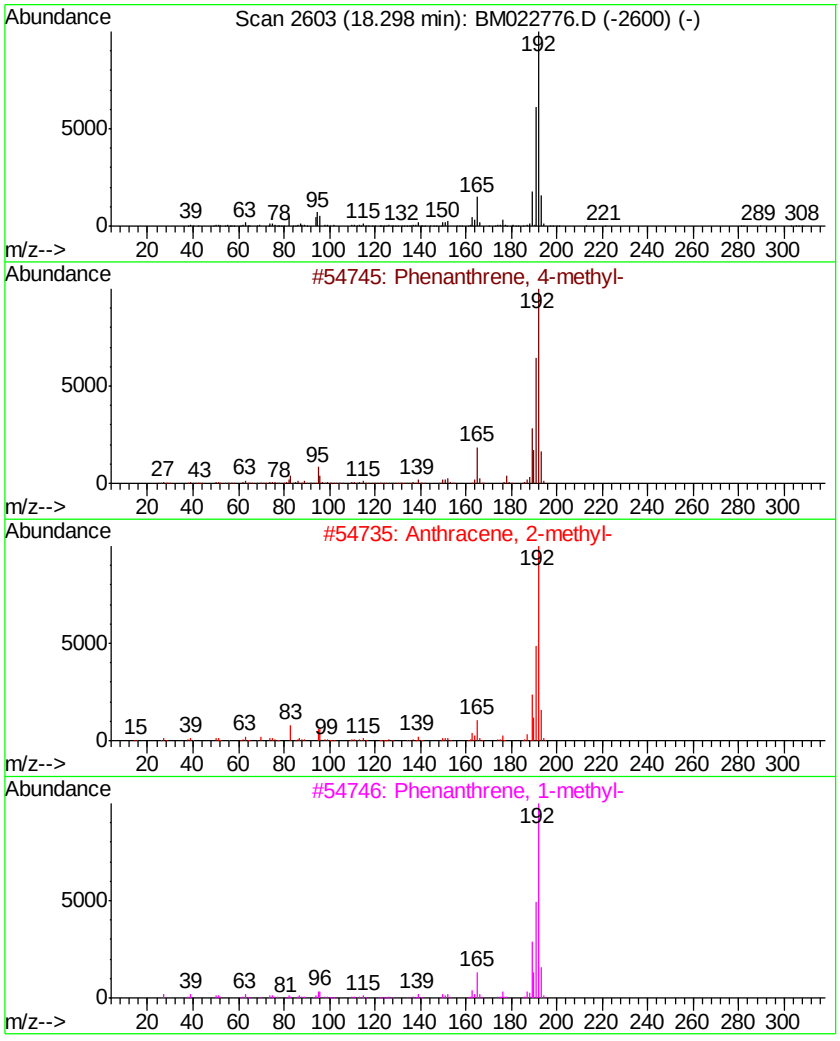
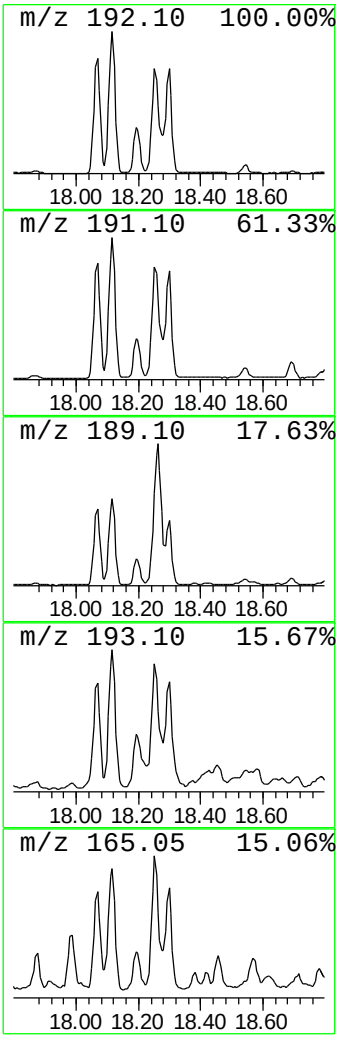
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	8.11 ng	885787	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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

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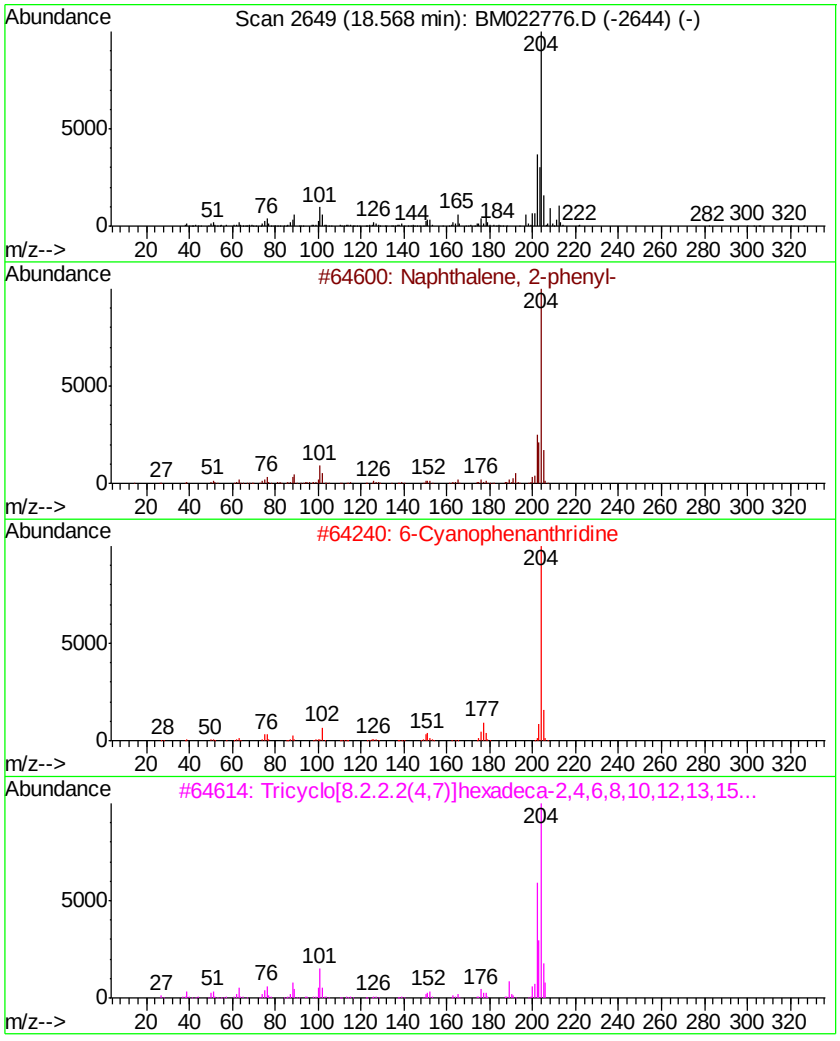
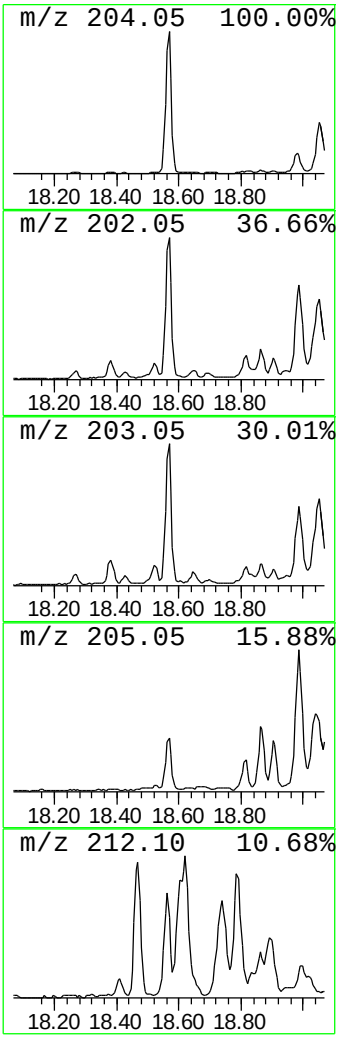
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.38 ng	478299	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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

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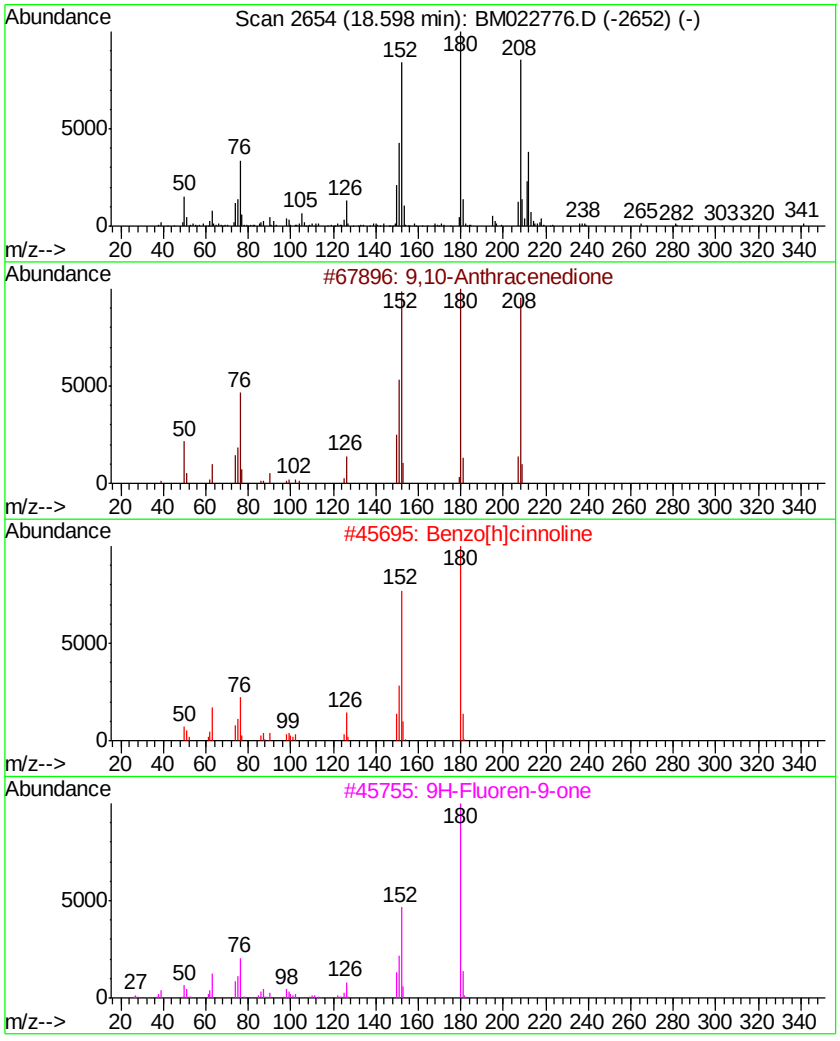
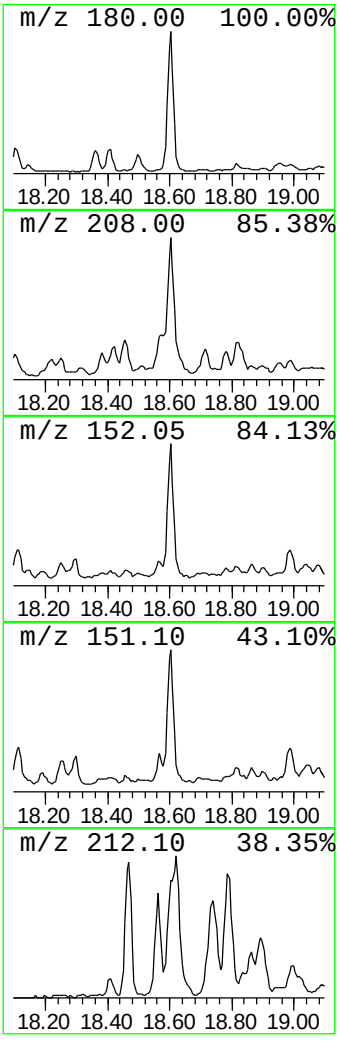
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.00 ng	545671	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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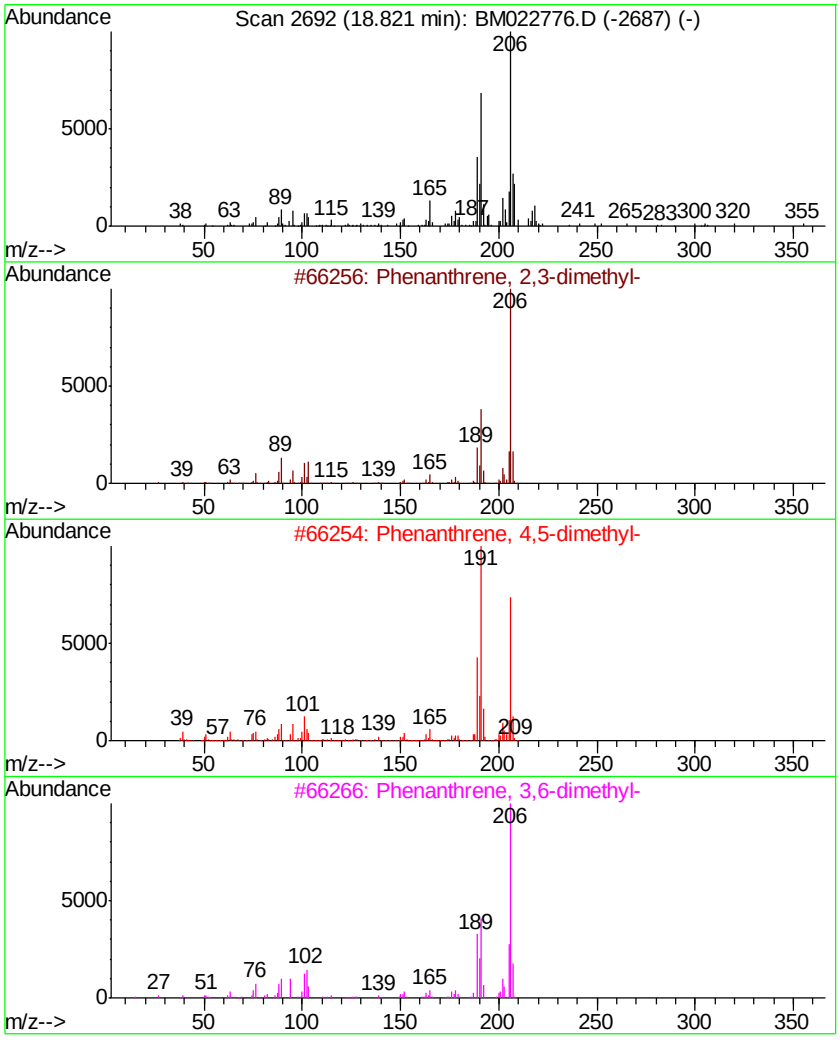
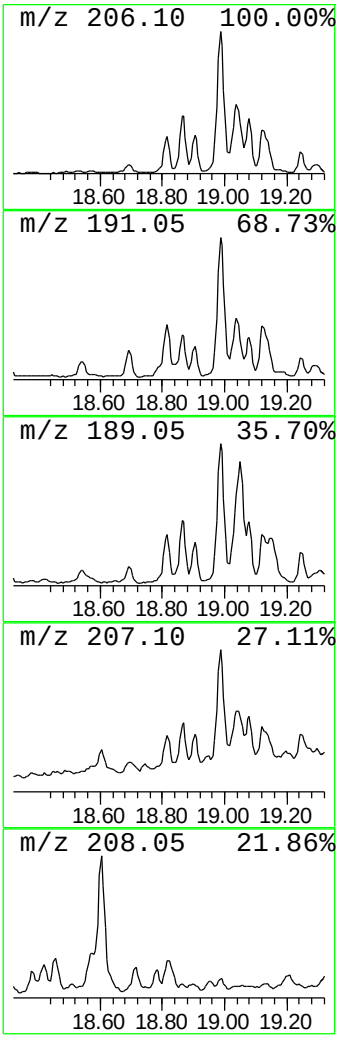
Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.92 ng	428391	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81





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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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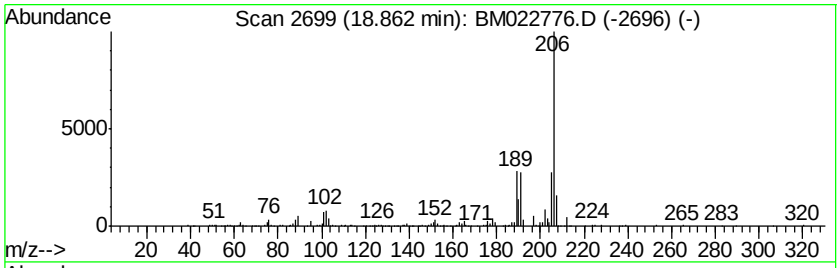
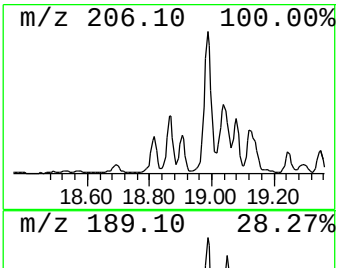
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.21 ng	460254	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

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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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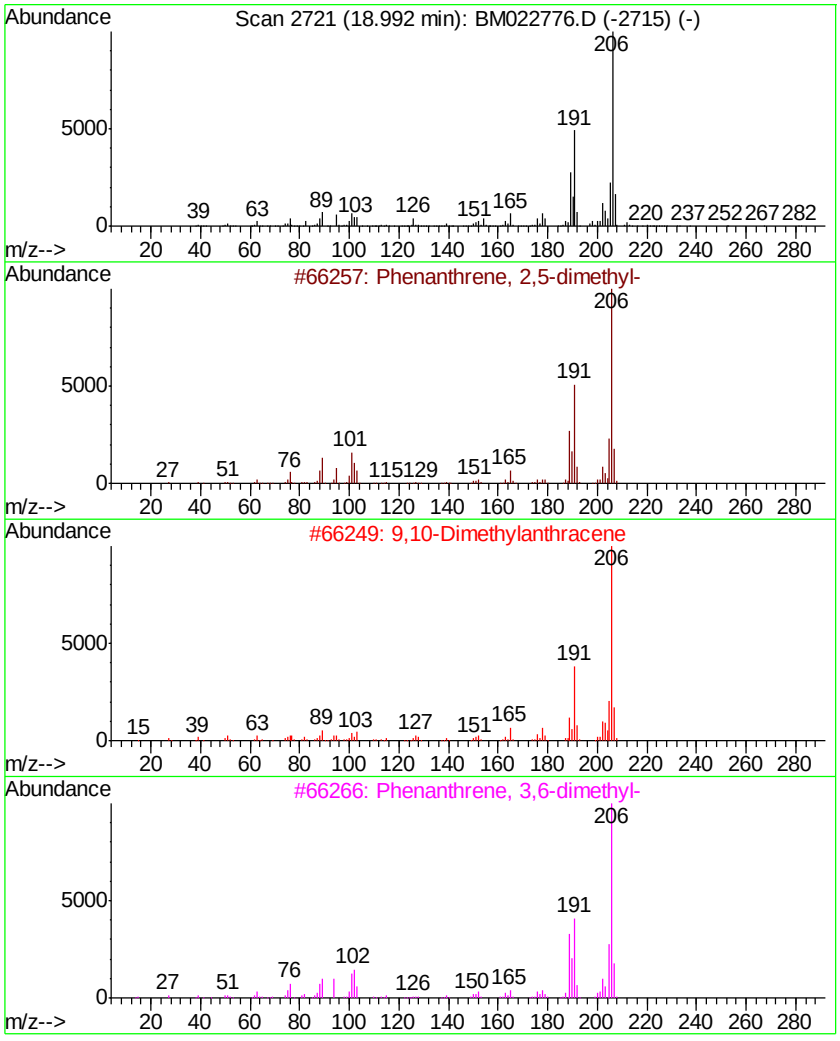
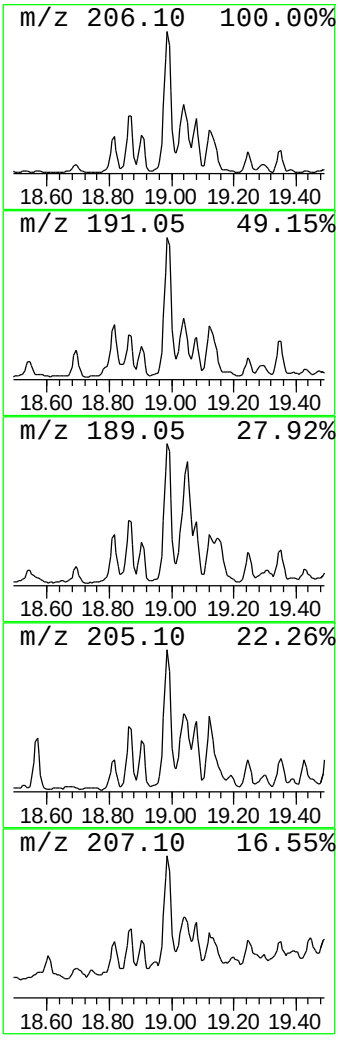
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	11.58 ng	1264630	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Instrument : BNA_M
ClientSampleId : WC-09-091919

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

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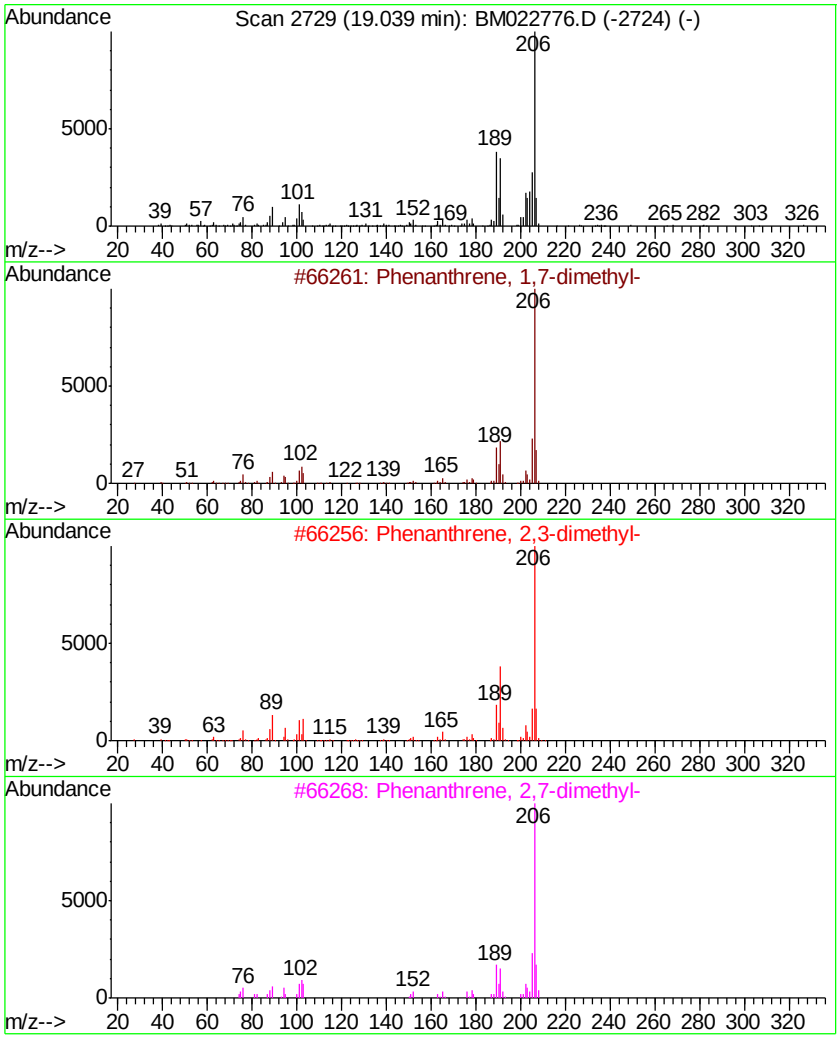
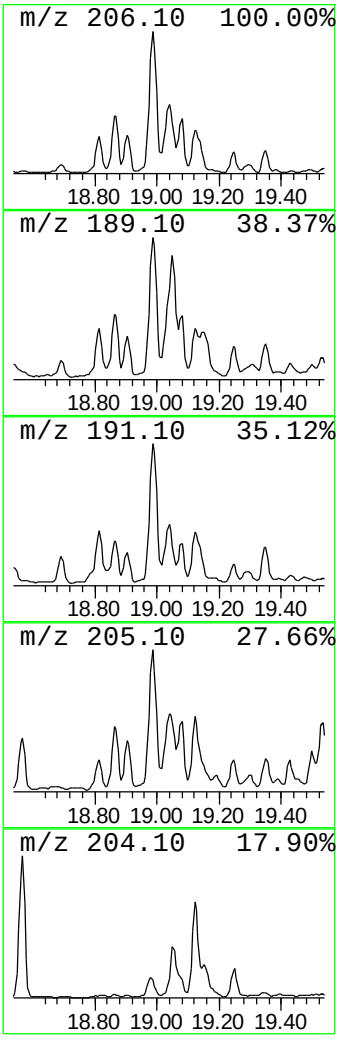
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	7.61 ng	831524	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50





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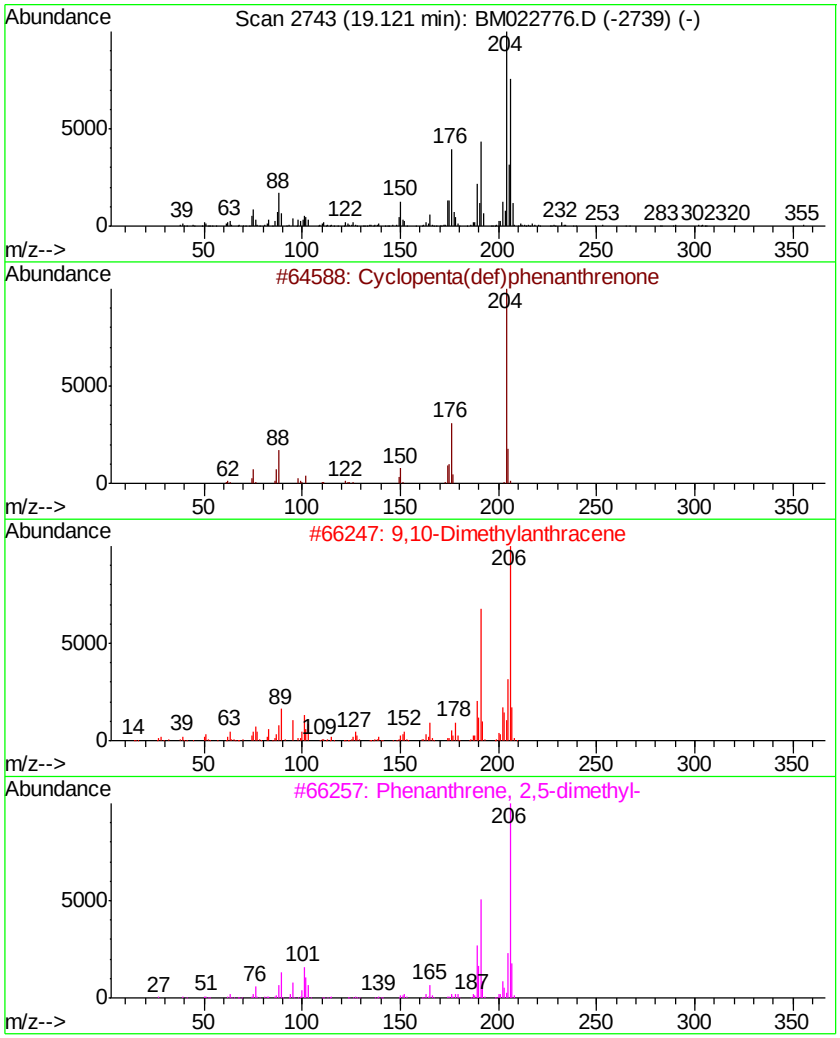
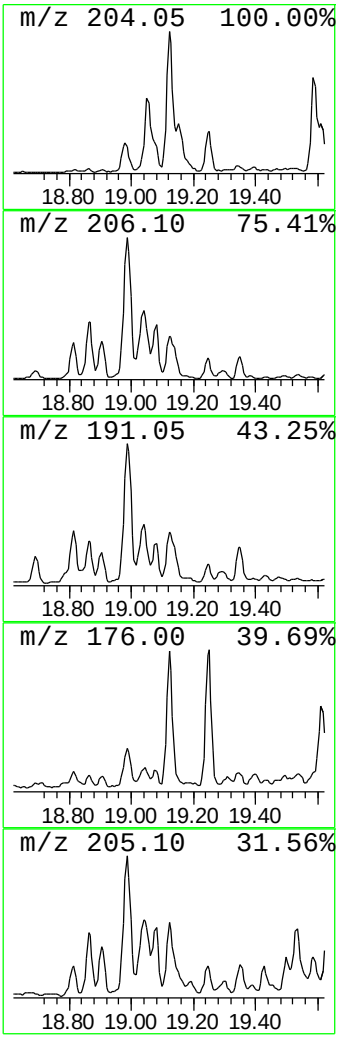
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	7.53 ng	822255	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50





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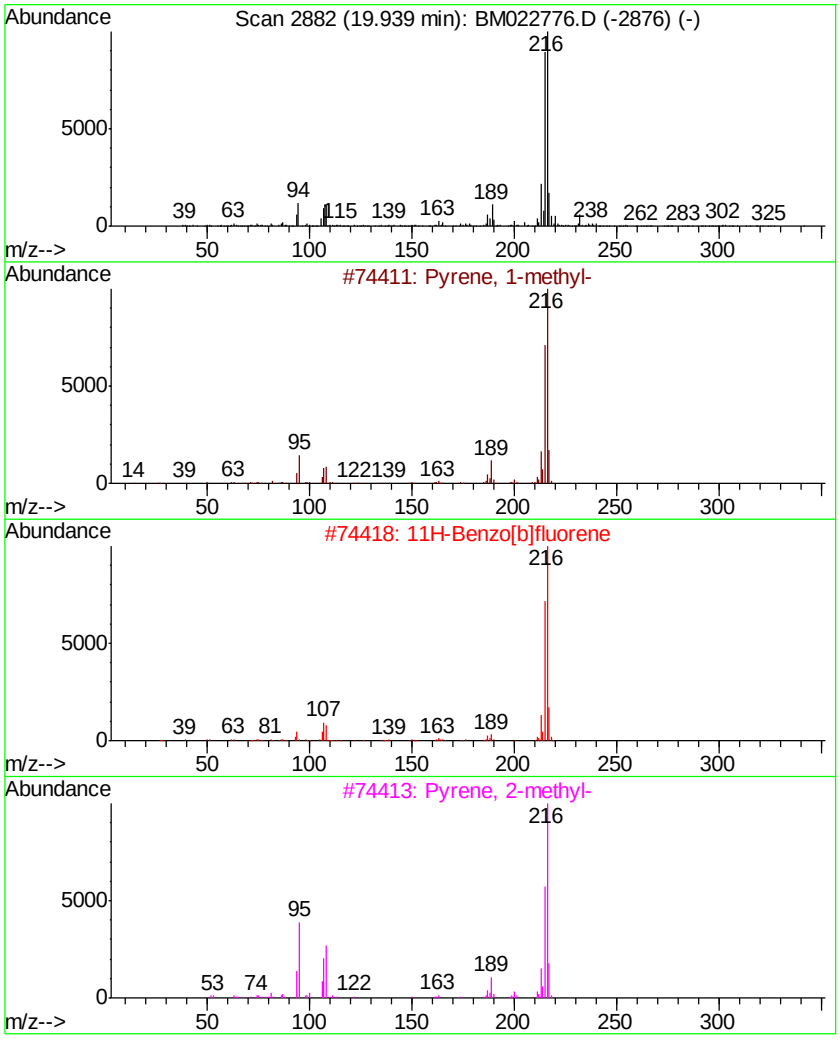
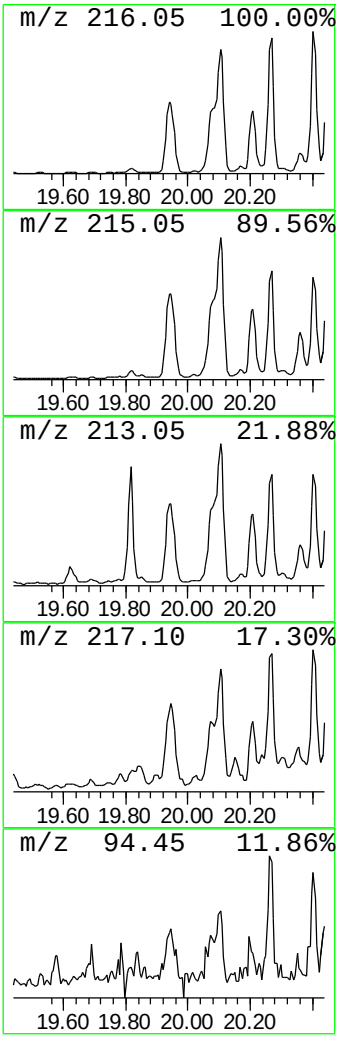
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	4.14 ng	1340800	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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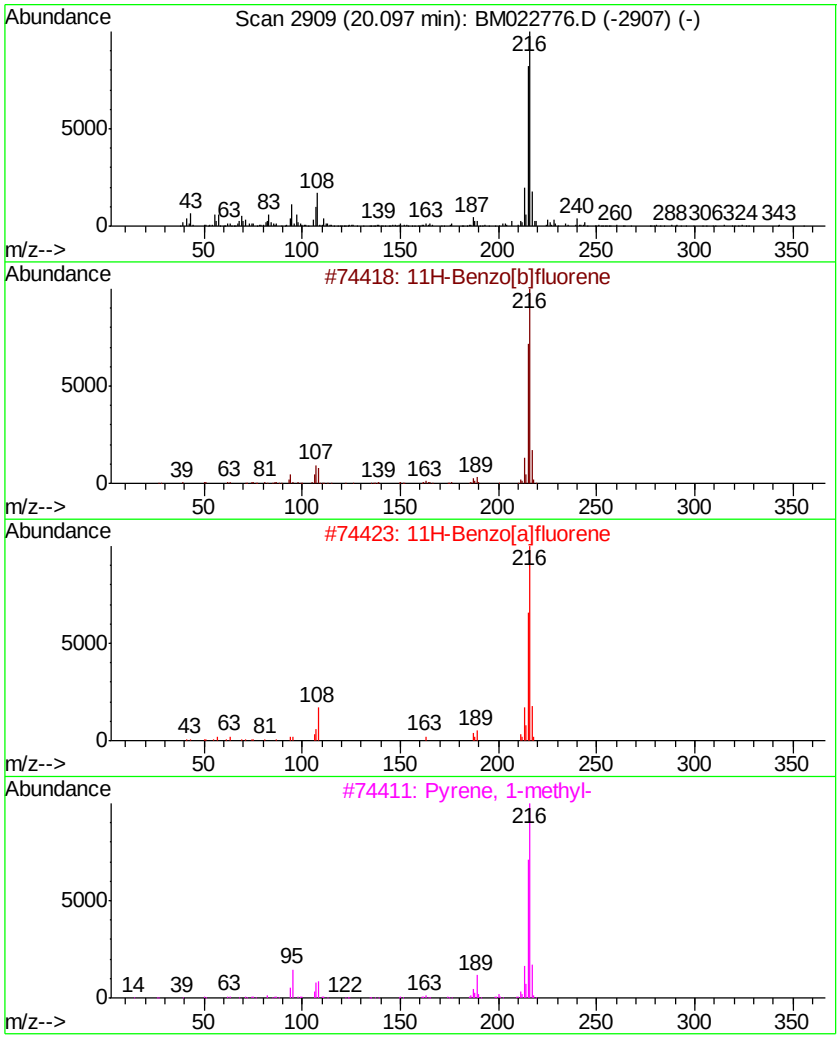
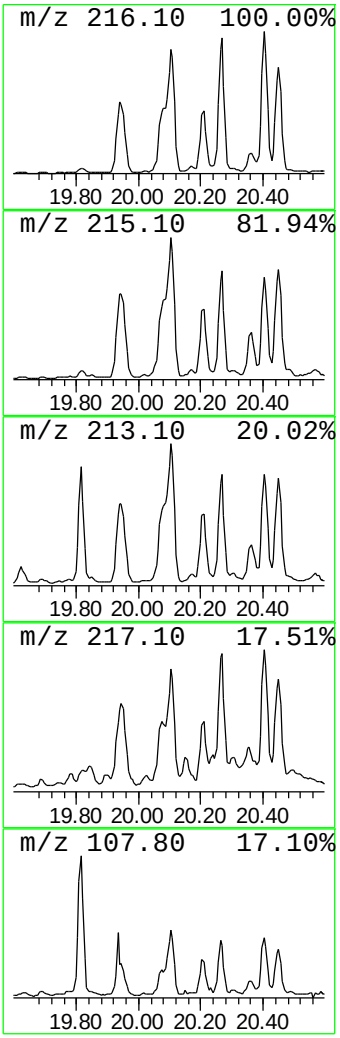
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.15 ng	1020140	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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ALS Vial : 9 Sample Multiplier: 1

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TIC Integration Parameters: LSCINT.P

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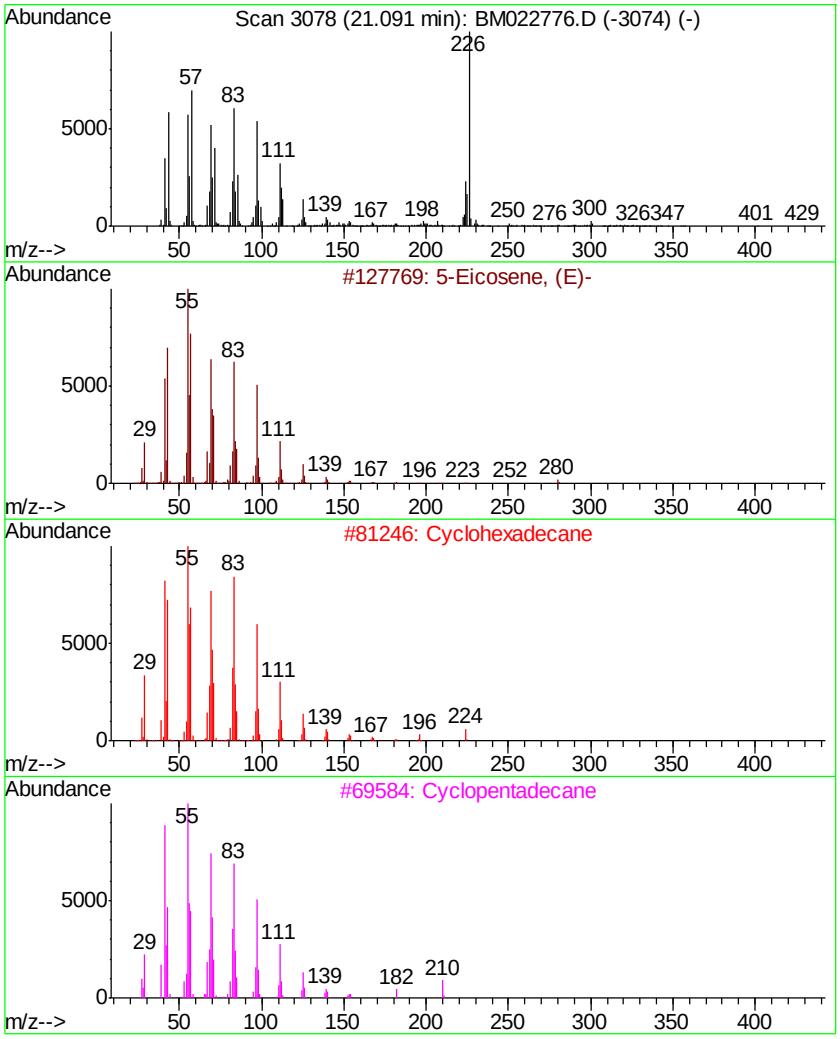
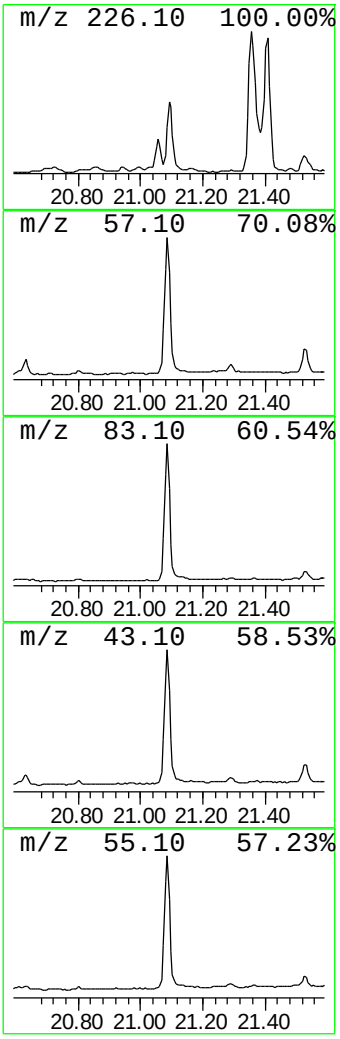
Peak Number 18 5-Eicosene, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	5.98 ng	1935790	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	Behenic alcohol	326	C22H46O	000661-19-8	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





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Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.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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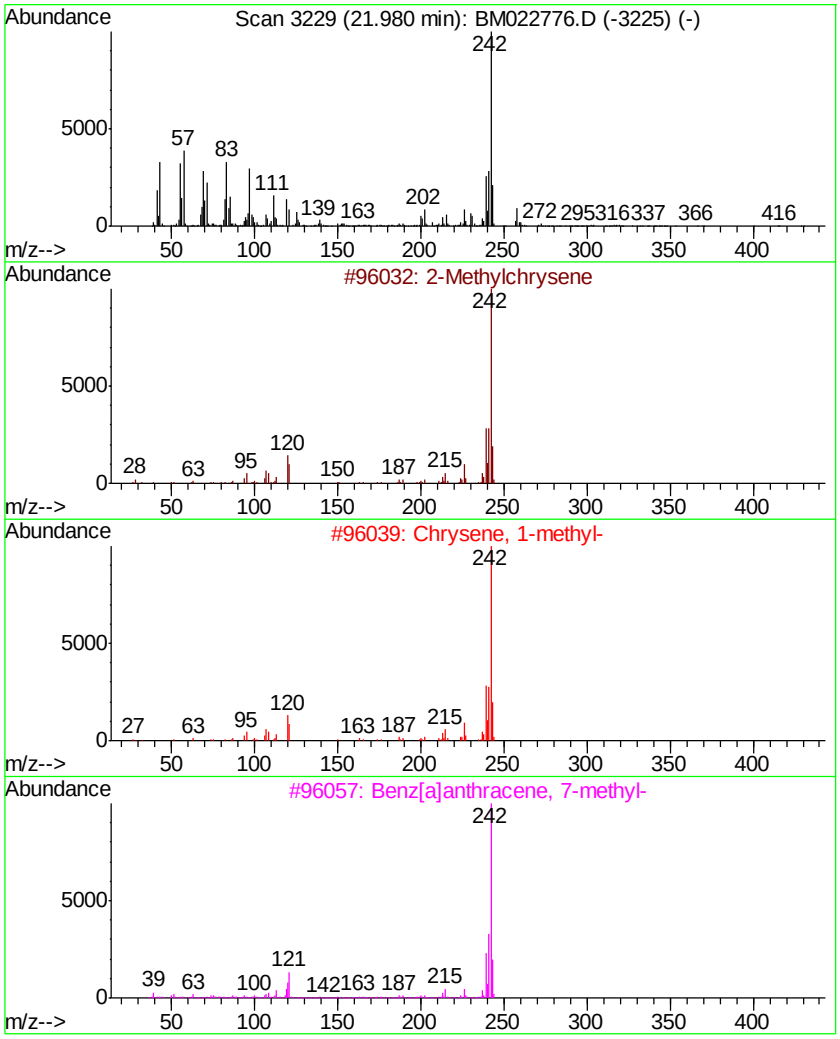
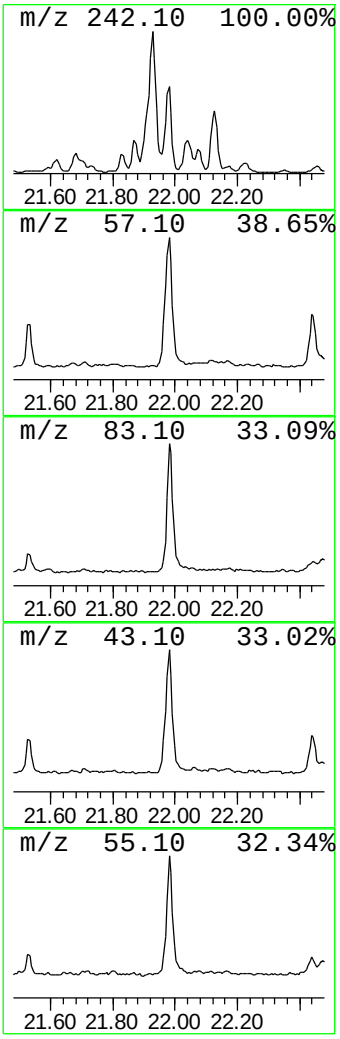
Peak Number 19 2-Methylchrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	4.36 ng	1410440	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
5	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	90





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Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.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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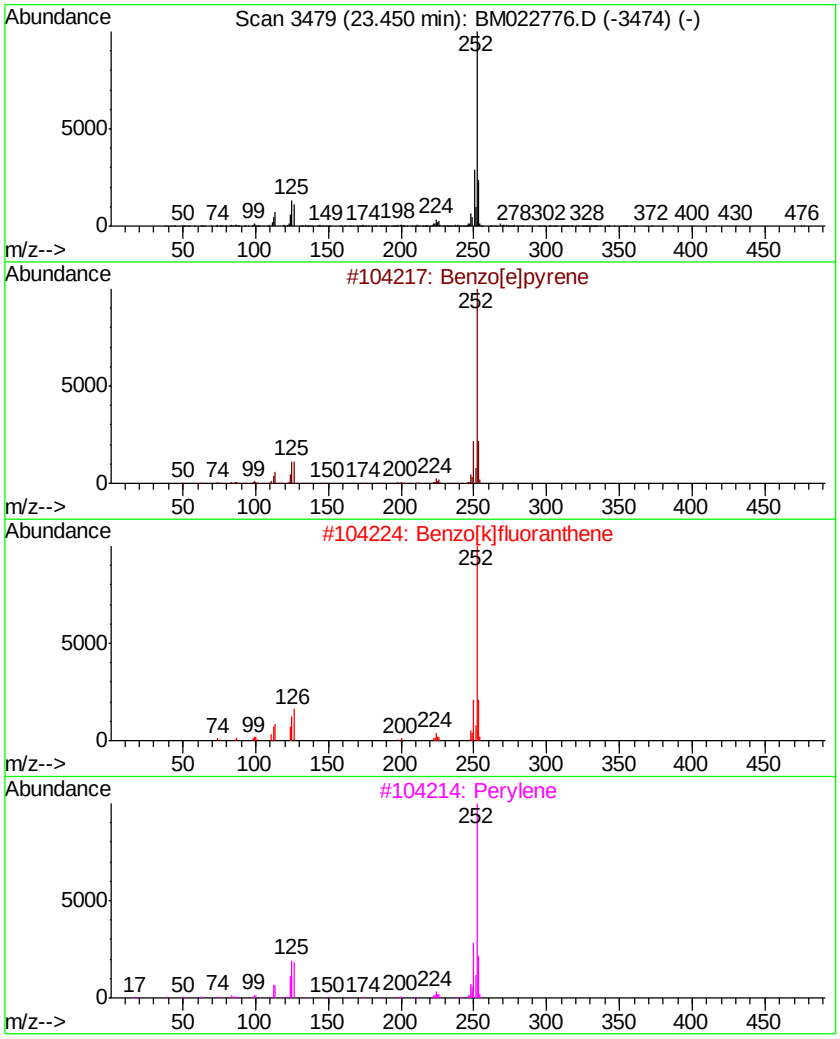
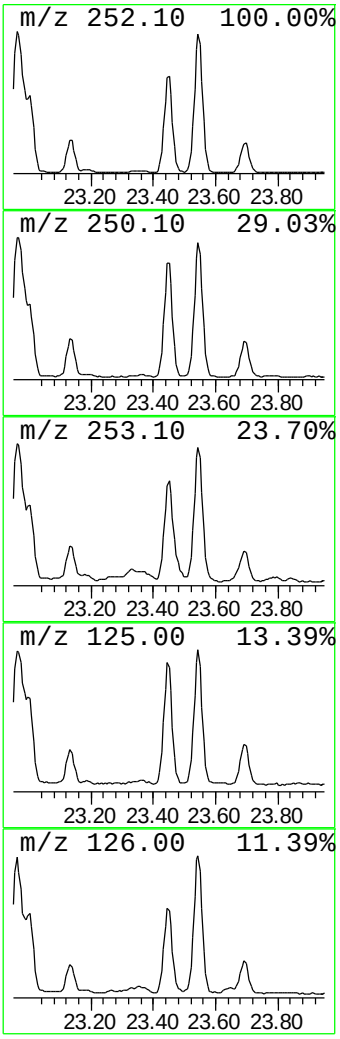
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	15.79 ng	1867370	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM092519\
Data File : BM022776.D
Acq On : 25 Sep 2019 17:53
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-09-091919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM092019.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
Butane, 2-methoxy...	3.02	45.4	ng	2792990	1	7.82	1229300	20.0
unknown7.35	7.35	79.7	ng	4896780	1	7.82	1229300	20.0
Phenanthrene, 1-m...	18.07	10.2	ng	1109240	4	17.19	2183970	20.0
Phenanthrene, 2-m...	18.12	18.9	ng	2064240	4	17.19	2183970	20.0
Anthracene, 2-met...	18.19	4.3	ng	470128	4	17.19	2183970	20.0
1H-Cyclopropa[l]p...	18.26	16.0	ng	1742750	4	17.19	2183970	20.0
Phenanthrene, 4-m...	18.30	8.1	ng	885787	4	17.19	2183970	20.0
Naphthalene, 2-ph...	18.57	4.4	ng	478299	4	17.19	2183970	20.0
9,10-Anthracenedione	18.60	5.0	ng	545671	4	17.19	2183970	20.0
Phenanthrene, 2,3...	18.82	3.9	ng	428391	4	17.19	2183970	20.0
Phenanthrene, 1,7...	18.86	4.2	ng	460254	4	17.19	2183970	20.0
Phenanthrene, 2,5...	18.99	11.6	ng	1264630	4	17.19	2183970	20.0
Phenanthrene, 2,7...	19.04	7.6	ng	831524	4	17.19	2183970	20.0
Cyclopenta(def)ph...	19.12	7.5	ng	822255	4	17.19	2183970	20.0
Pyrene, 1-methyl-	19.94	4.1	ng	1340800	5	21.37	6476450	20.0
11H-Benzo[b]fluorene	20.10	3.1	ng	1020140	5	21.37	6476450	20.0
5-Eicosene, (E)-	21.09	6.0	ng	1935790	5	21.37	6476450	20.0
2-Methylchrysene	21.98	4.4	ng	1410440	5	21.37	6476450	20.0
Benzo[e]pyrene	23.45	15.8	ng	1867370	6	23.64	2365560	20.0