LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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-BM043019.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	5.369	398	405	414	rBV	2572058	3673150	30.67%	2.344%
2	6.952	666	674	687	rBV	2357585	3955940	33.03%	2.525%
3	7.316	729	736	745	rBV	2568392	4088801	34.14%	2.609%
4	7.787	810	816	822	rBV	488609	788243	6.58%	0.503%
5	8.105	862	870	879	rBV	1979307	3166077	26.44%	2.021%
6	8.952	1006	1014	1024	rBV	1500910	2488727	20.78%	1.588%
7	10.581	1284	1291	1297	rBV	579552	957147	7.99%	0.611%
8	13.045	1701	1710	1721	rBV	3827832	5597826	46.75%	3.572%
9	13.887	1847	1853	1860	rBV	533626	745575	6.23%	0.476%
10	14.428	1934	1945	1951	rBV2	902599	1386056	11.57%	0.885%
11	14.492	1951	1956	1963	rVB	128895	206390	1.72%	0.132%
12	14.828	2004	2013	2021	rBV3	140329	254751	2.13%	0.163%
13	15.481	2117	2124	2129	rBV	148796	256847	2.14%	0.164%
14	15.922	2192	2199	2208	rBV	3333983	4851185	40.51%	3.096%
15	16.145	2229	2237	2242	rBV7	72088	188783	1.58%	0.120%
16	16.833	2349	2354	2360	rVB	169579	246870	2.06%	0.158%
17	16.916	2363	2368	2373	rVV8	73810	155079	1.29%	0.099%
18	16.998	2377	2382	2390	rVB	255475	395679	3.30%	0.253%
19	17.180	2407	2413	2416	rBV	1132316	1824268	15.23%	1.164%
20	17.222	2416	2420	2427	rVV	5398177	7197066	60.10%	4.593%
21	17.310	2427	2435	2440	rVV	989539	1420307	11.86%	0.906%
22	17.369	2441	2445	2450	rVB2	77166	142821	1.19%	0.091%
23	17.580	2473	2481	2490	rBV	521616	906434	7.57%	0.578%
24	17.692	2497	2500	2505	rBV	106981	159526	1.33%	0.102%
25	17.757	2507	2511	2519	rVB2	111967	176151	1.47%	0.112%
26	18.057	2556	2562	2566	rBV2	1757249	2811151	23.47%	1.794%
27	18.098	2566	2569	2575	rVV	846888	1162903	9.71%	0.742%
28	18.180	2579	2583	2588	rVV	213122	317001	2.65%	0.202%
29	18.245	2588	2594	2598	rVV2	743626	1454123	12.14%	0.928%
30	18.280	2598	2600	2606	rVB	481736	557404	4.65%	0.356%
31	18.357	2608	2613	2617	rBV5	91591	169824	1.42%	0.108%
32	18.551	2642	2646	2650	rBV	482022	629399	5.26%	0.402%
33	18.598	2650	2654	2660	rVV	482415	634206	5.30%	0.405%
34	18.798	2684	2688	2693	rVB	172469	222229	1.86%	0.142%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.845	2693	2696	2700	rVV	133125	146161	1.22%	0.093%
36	18.969	2712	2717	2722	rBV2	357452	697821	5.83%	0.445%
37	19.033	2723	2728	2731	rVV3	152393	310950	2.60%	0.198%
38	19.063	2731	2733	2736	rVB	143926	140254	1.17%	0.090%
39	19.116	2737	2742	2749	rBV2	337146	627130	5.24%	0.400%
40	19.239	2757	2763	2769	rVB	9111323	11975240	100.00%	7.642%
41	19.345	2775	2781	2790	rBV3	1123778	1639899	13.69%	1.047%
42	19.480	2800	2804	2807	rBV	365808	454817	3.80%	0.290%
43	19.569	2814	2819	2821	rBV	958747	1461176	12.20%	0.932%
44	19.604	2821	2825	2832	rVV	8047216	10455434	87.31%	6.672%
45	19.669	2832	2836	2843	rVB2	306672	476755	3.98%	0.304%
46	19.804	2851	2859	2863	rBV	7718567	9268184	77.39%	5.915%
47	19.845	2863	2866	2871	rVB	275315	376290	3.14%	0.240%
48	19.921	2874	2879	2886	rBV3	372503	939778	7.85%	0.600%
49	19.986	2887	2890	2897	rVB	140015	249594	2.08%	0.159%
50	20.092	2905	2908	2913	rVB2	759511	1110833	9.28%	0.709%
51	20.192	2922	2925	2929	rVB	309636	376386	3.14%	0.240%
52	20.251	2930	2935	2939	rVB2	502269	725402	6.06%	0.463%
53	20.392	2954	2959	2963	rBV2	1673156	2178332	18.19%	1.390%
54	20.439	2963	2967	2970	rVV	360723	457111	3.82%	0.292%
55	20.557	2984	2987	2990	rVB2	192629	214057	1.79%	0.137%
56	20.592	2990	2993	2998	rVB	317402	378407	3.16%	0.241%
57	20.839	3032	3035	3042	rVB	612842	824497	6.89%	0.526%
58	21.010	3058	3064	3067	rBV2	728451	1172667	9.79%	0.748%
59	21.051	3067	3071	3074	rVV2	1220367	1776109	14.83%	1.133%
60	21.086	3074	3077	3082	rVV2	633574	1038406	8.67%	0.663%
61	21.139	3082	3086	3096	rVB2	689738	1024204	8.55%	0.654%
62	21.351	3117	3122	3127	rBV3	4834802	8627065	72.04%	5.506%
63	21.398	3127	3130	3140	rVB	4147777	5655982	47.23%	3.610%
64	21.492	3143	3146	3149	rBV	710344	855764	7.15%	0.546%
65	21.933	3215	3221	3225	rVB2	1105824	1724247	14.40%	1.100%
66	22.404	3297	3301	3307	rBV	1826297	2541446	21.22%	1.622%
67	22.921	3384	3389	3392	rBV	1625814	2583424	21.57%	1.649%
68	22.962	3392	3396	3402	rVV	2461473	4988647	41.66%	3.184%
69	23.133	3422	3425	3432	rVB	554616	812865	6.79%	0.519%
70	23.456	3474	3480	3484	rBV	1860663	3542459	29.58%	2.261%
71	23.504	3484	3488	3492	rVV	1416897	2561704	21.39%	1.635%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	23.556	3492	3497	3504	rVB	2840305	5005077	41.80%	3.194%
73	23.651	3509	3513	3518	rVV	1104740	2145847	17.92%	1.369%
74	23.704	3518	3522	3529	rVB	852915	1651528	13.79%	1.054%
75	24.162	3596	3600	3612	rVB	1121868	2221967	18.55%	1.418%
76	25.986	3902	3910	3920	rVB	1494425	4292456	35.84%	2.739%
77	26.697	4026	4031	4052	rVB	1092371	3801854	31.75%	2.426%

Sum of corrected areas: 156696165

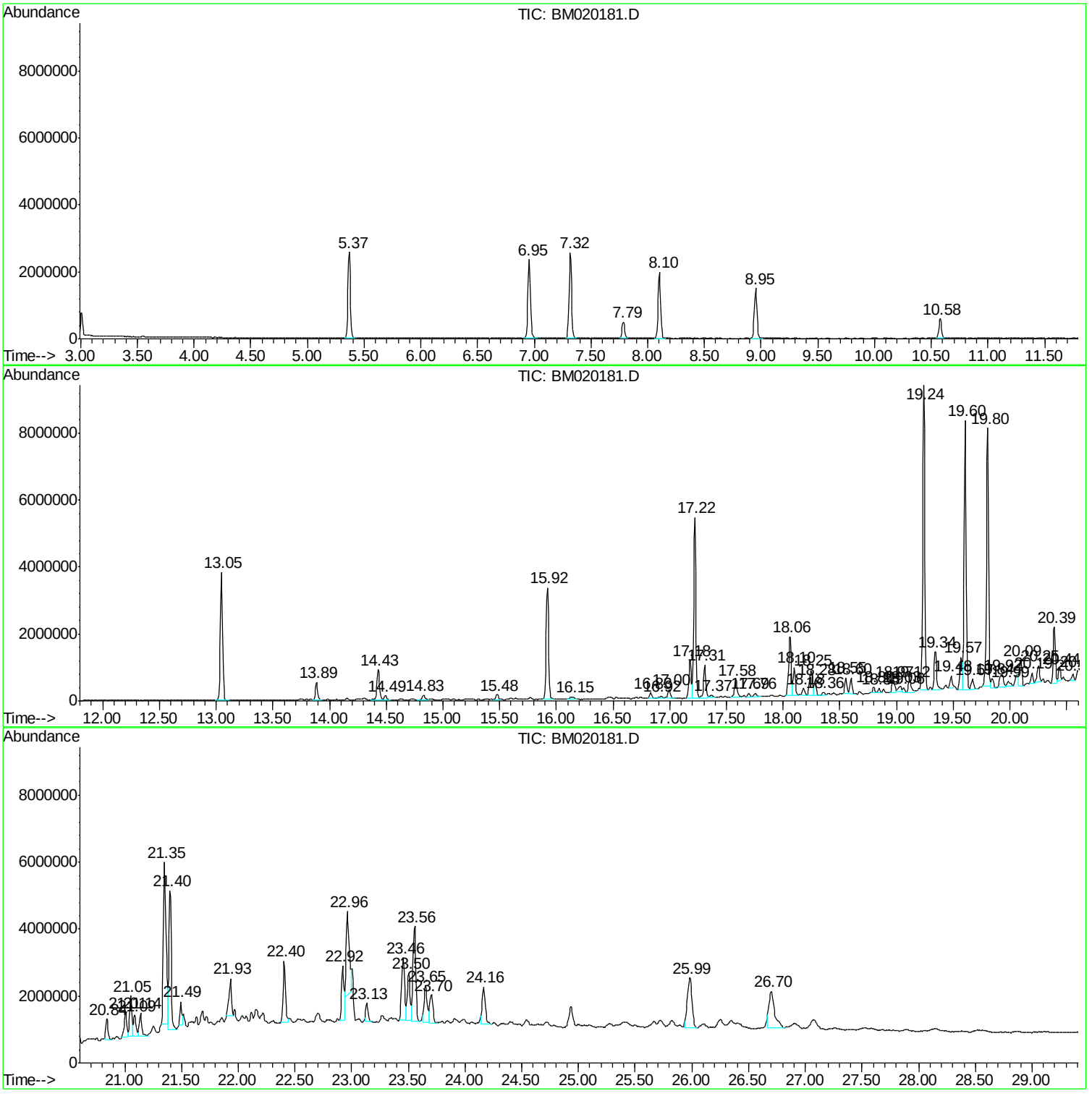
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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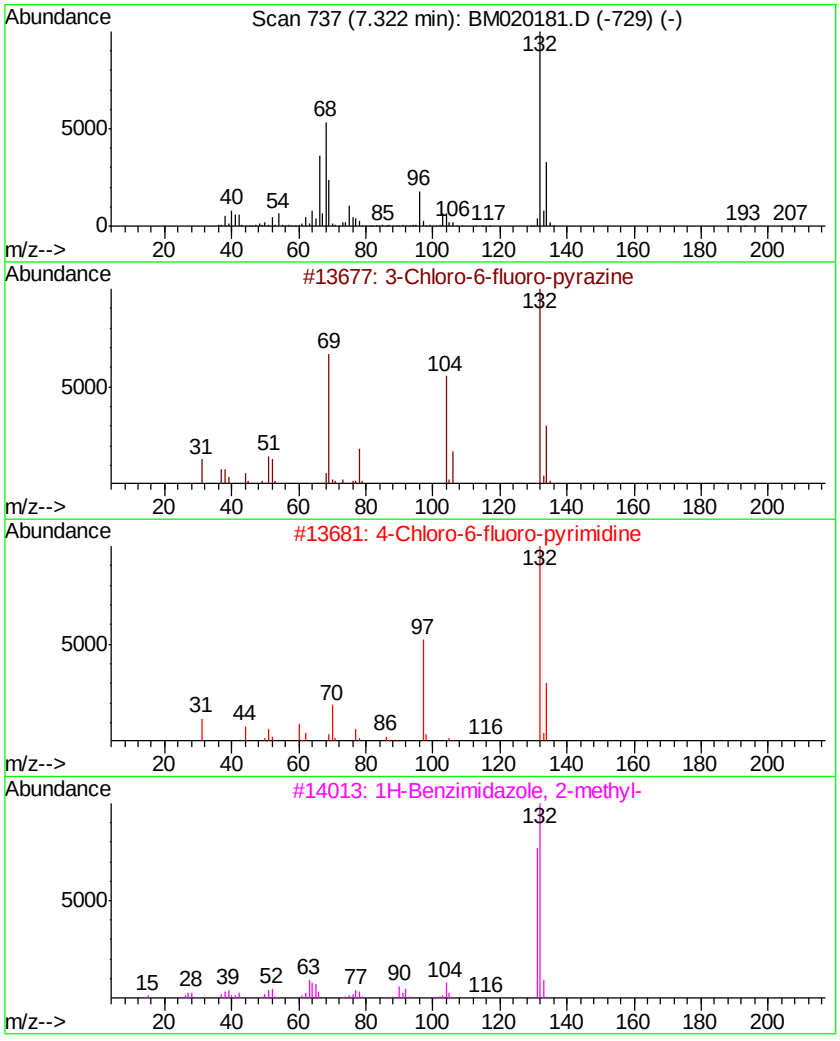
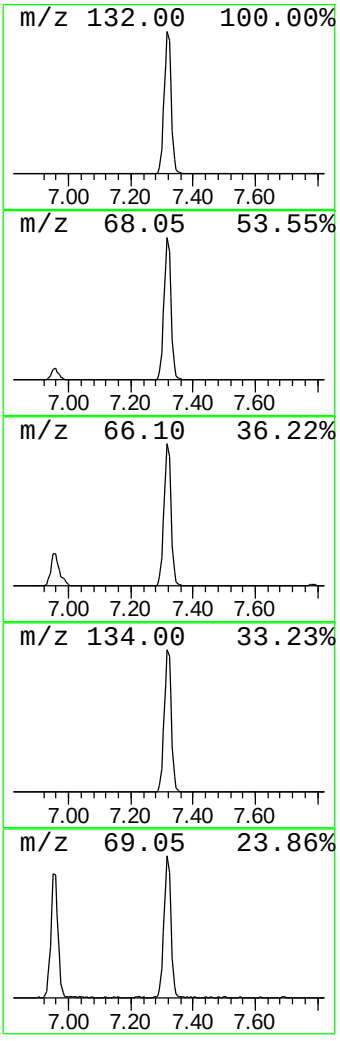
Peak Number 1 unknown7.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	103.75 ng	4088800	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Library Search Compound Report

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Data File : BM020181.D
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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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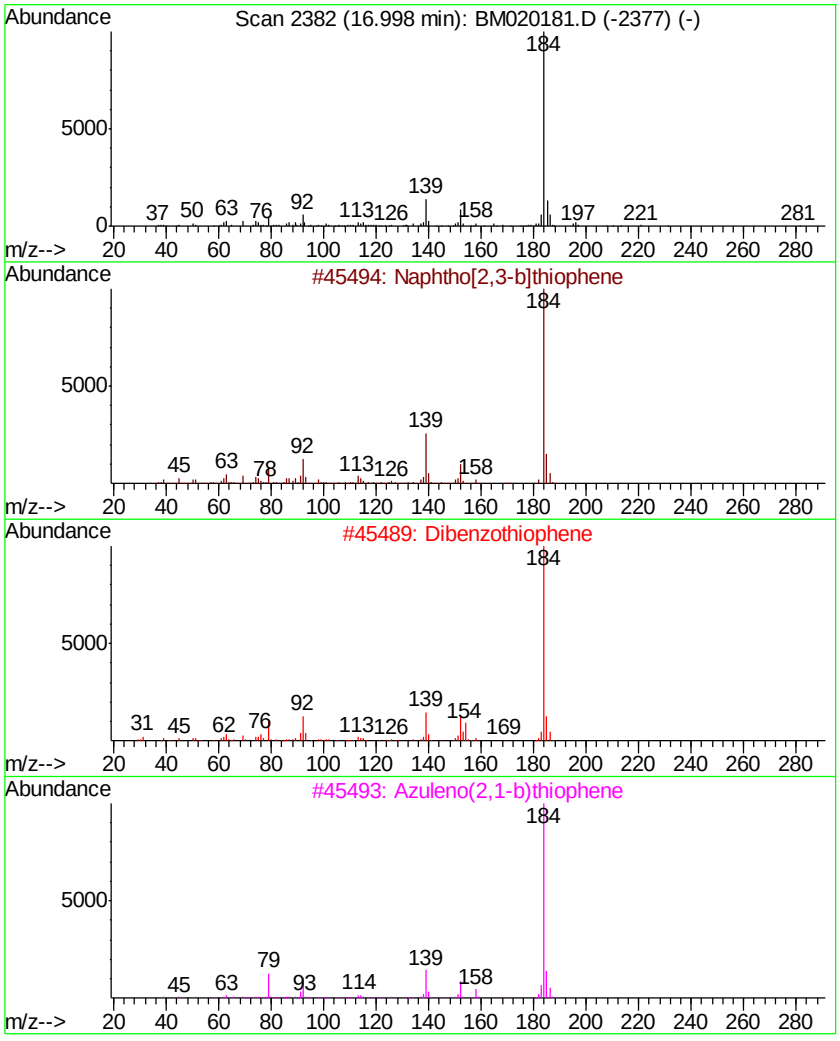
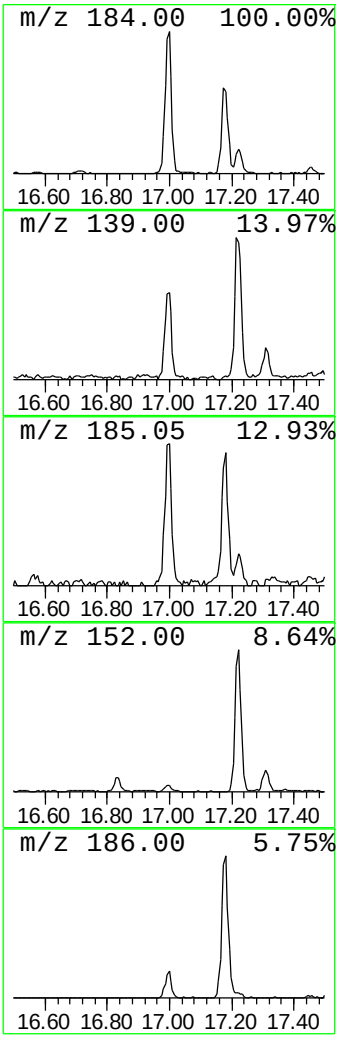
Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	4.34 ng	395679	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	64





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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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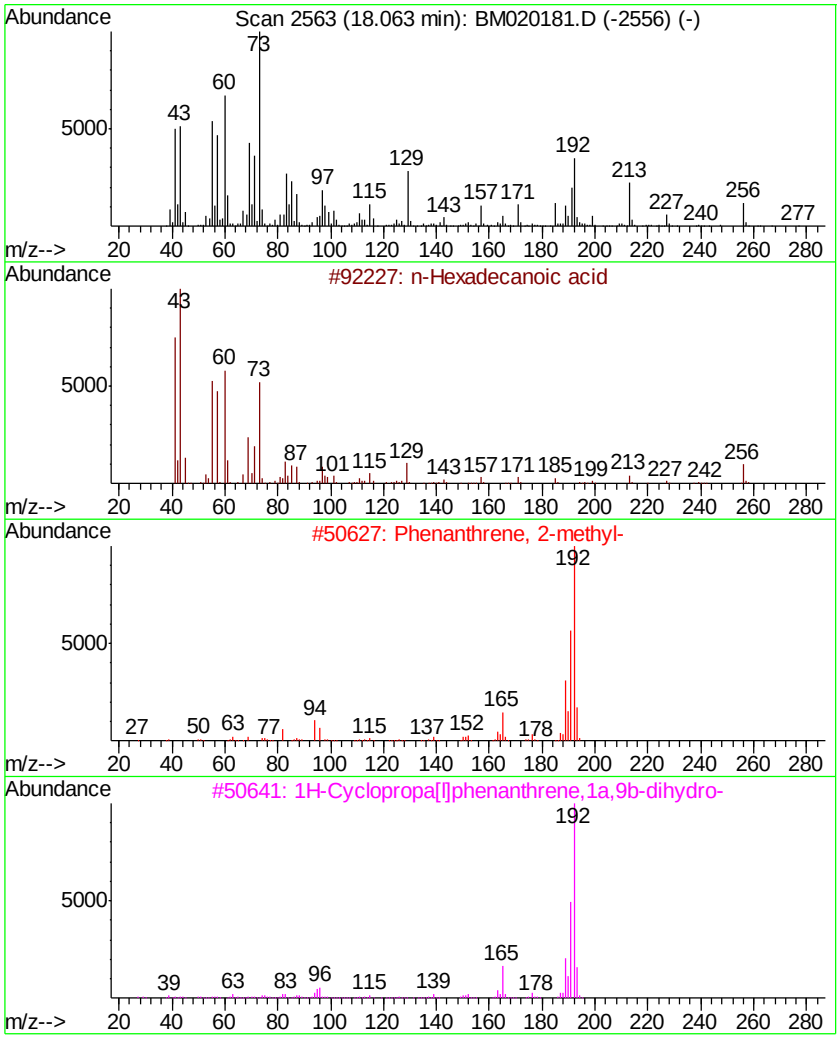
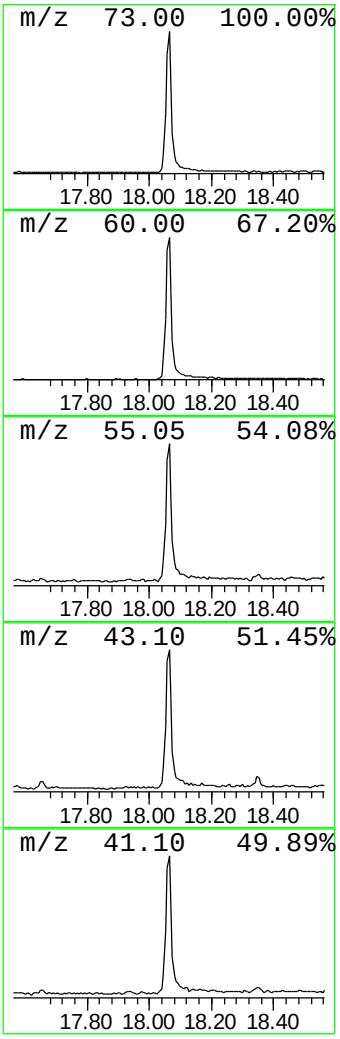
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	30.82 ng	2811150	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	68





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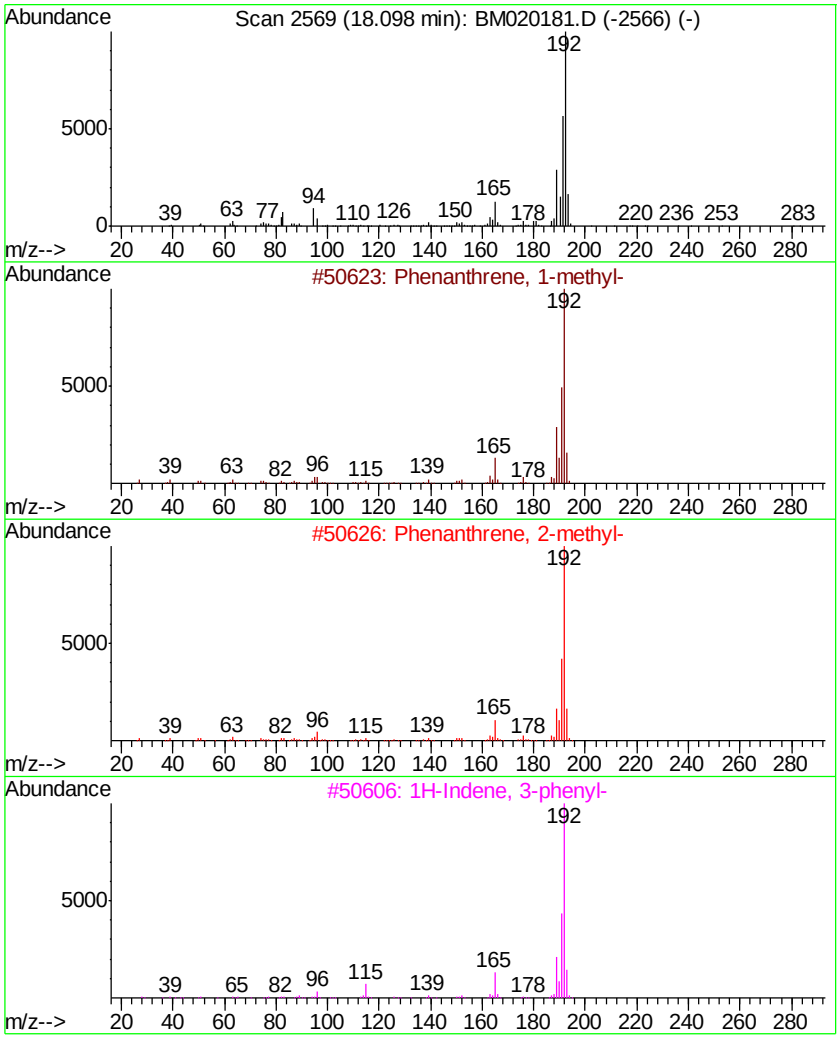
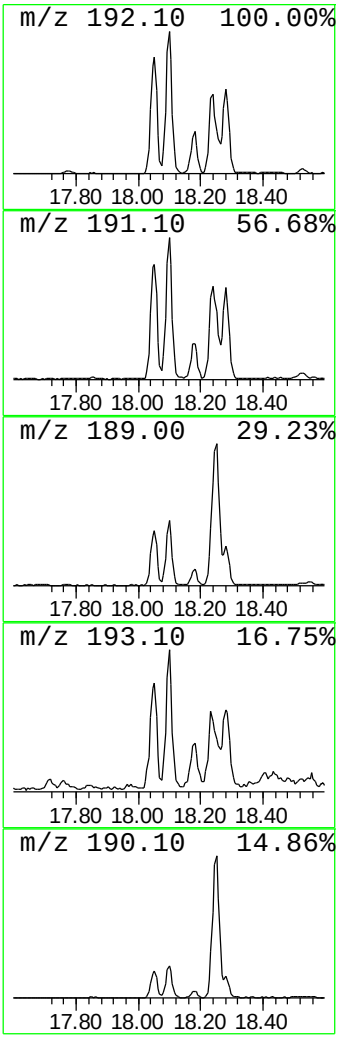
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	12.75 ng	1162900	Phenanthrene-d10	17.18

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	96
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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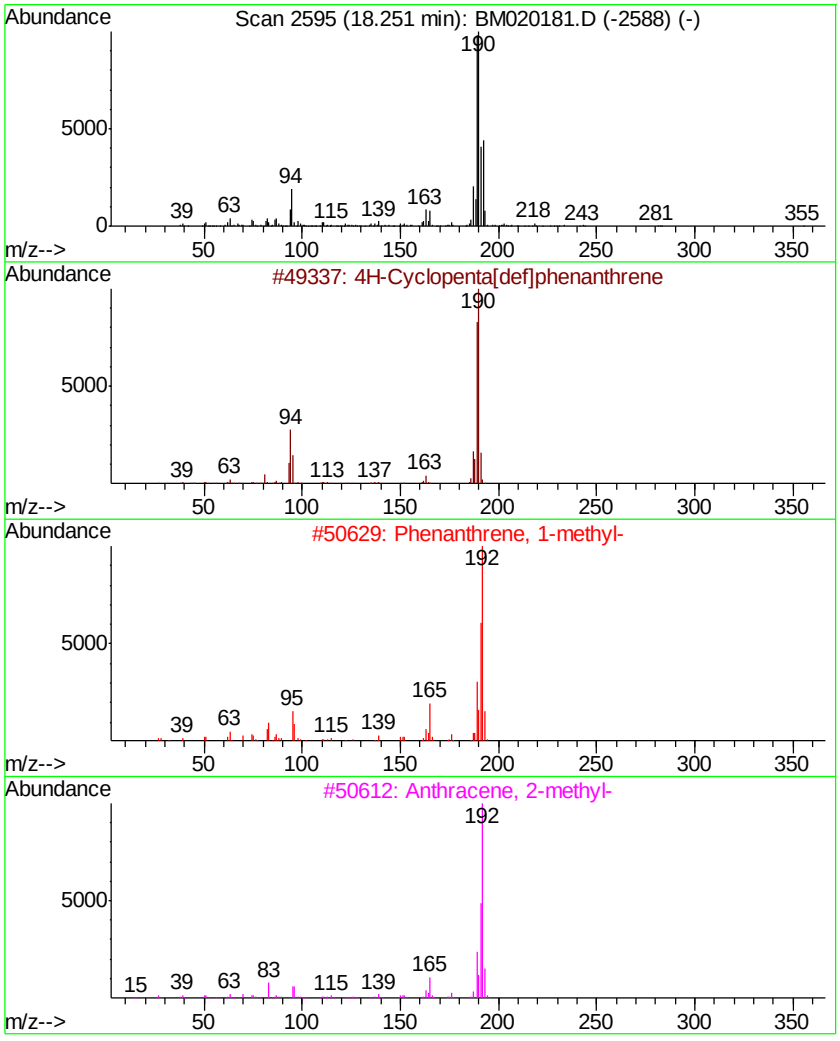
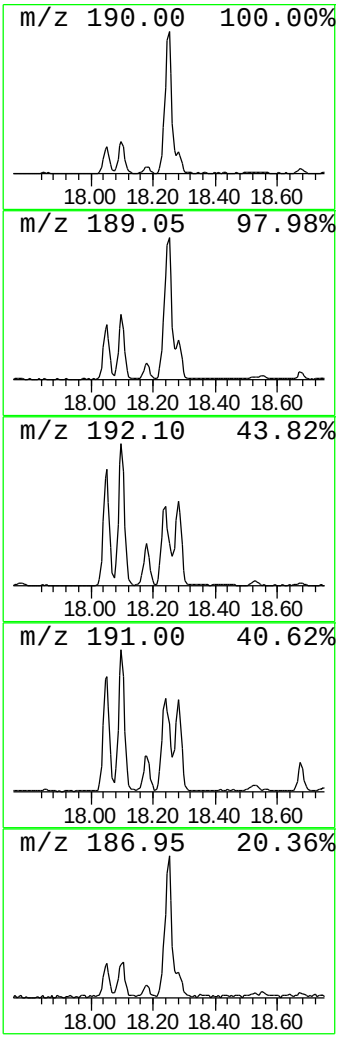
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	15.94 ng	1454120	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22





Library Search Compound Report

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Acq On : 08 May 2019 00:57
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Misc :
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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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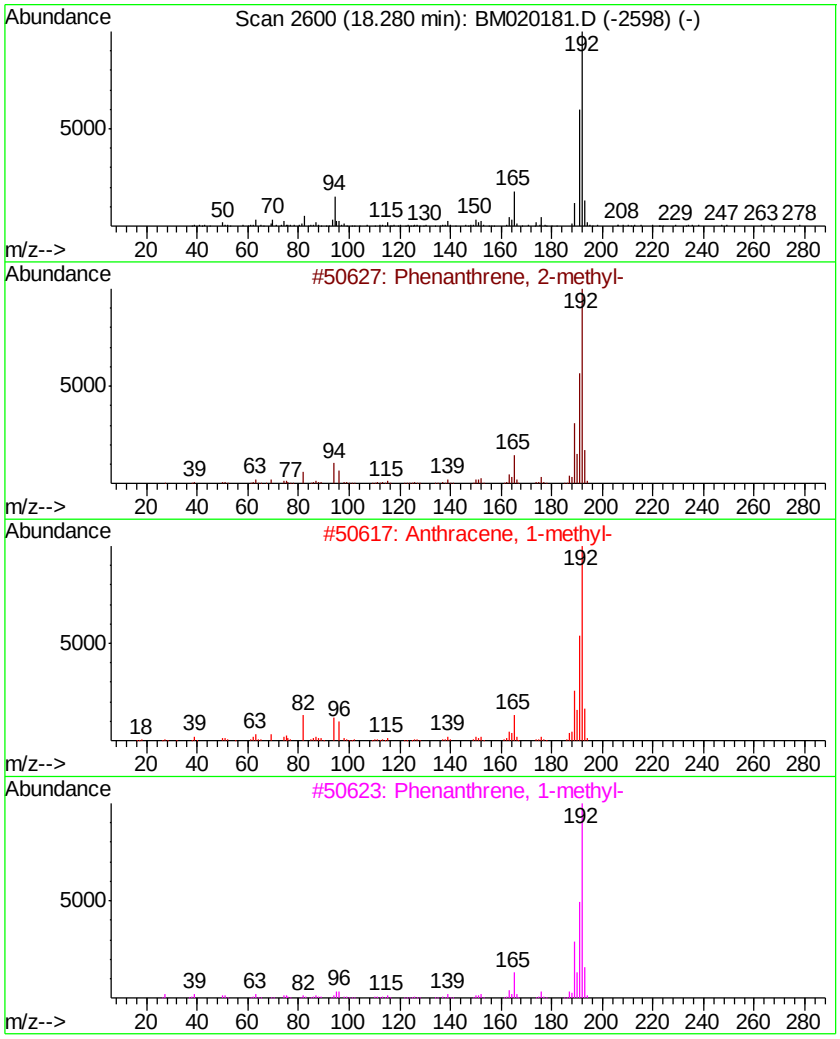
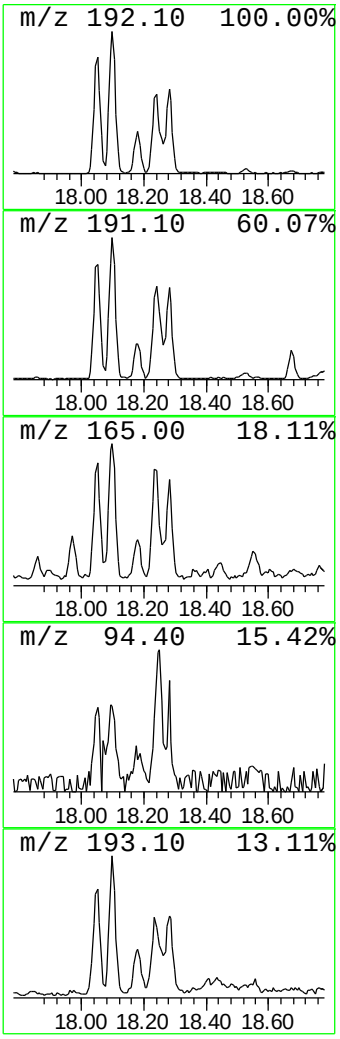
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	6.11 ng	557404	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





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Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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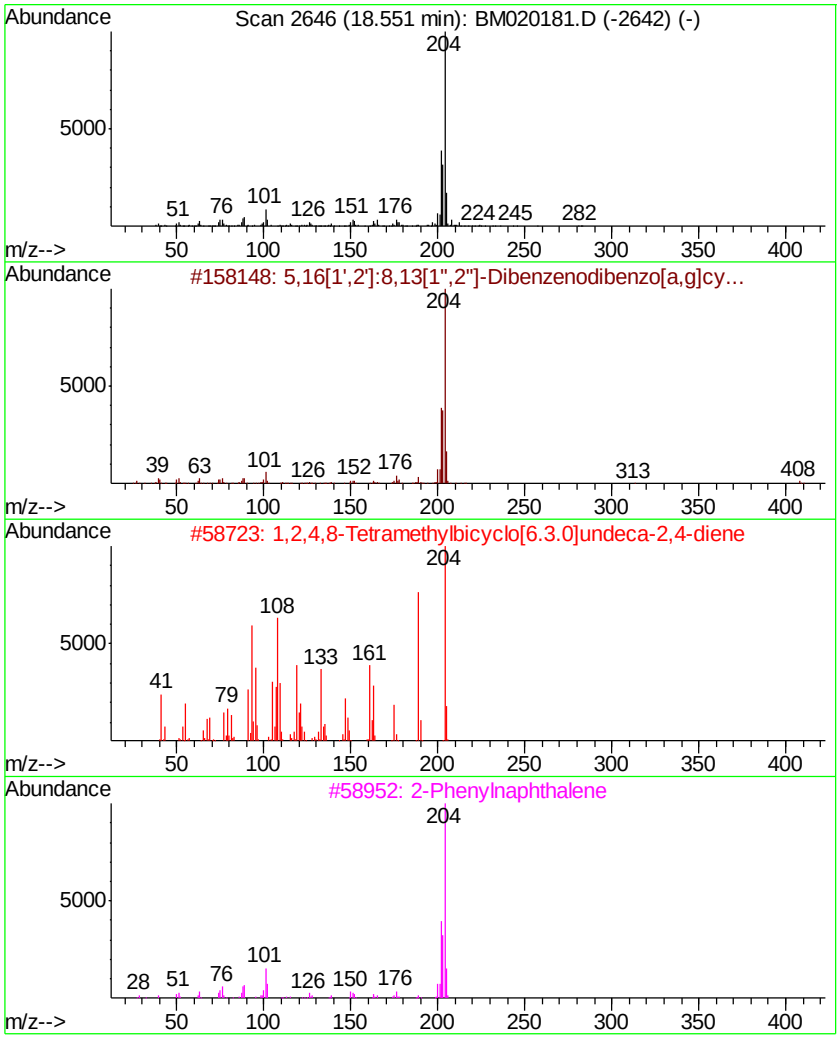
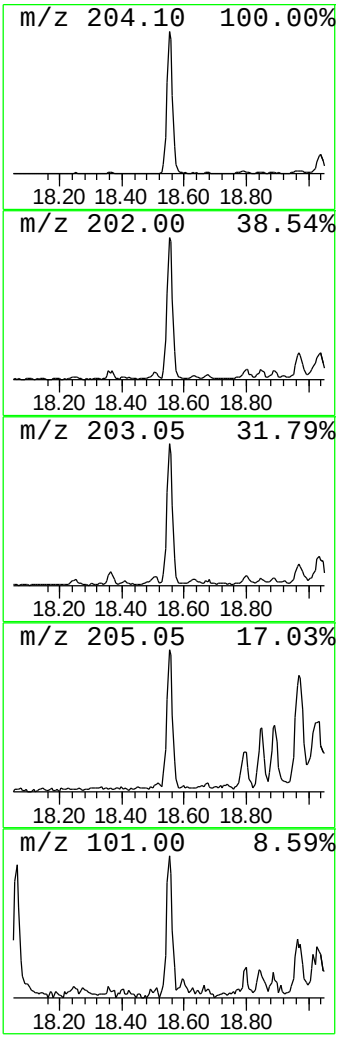
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	6.90 ng	629399	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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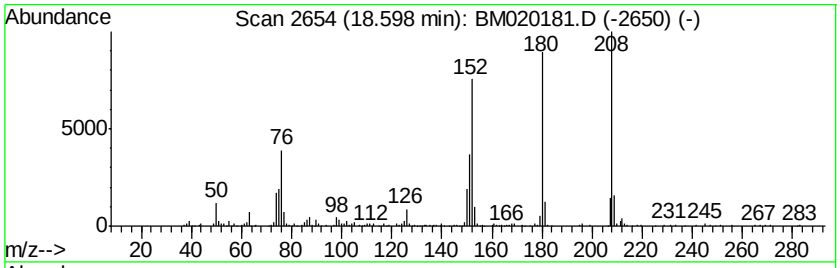
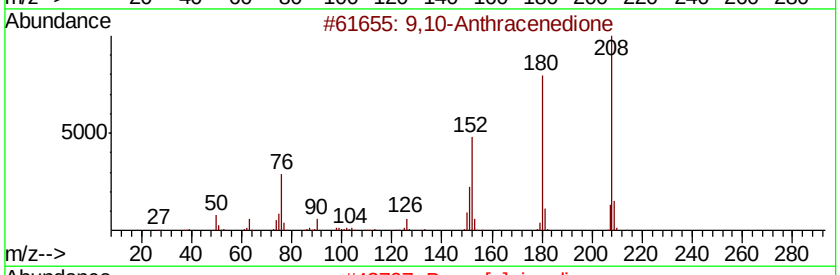
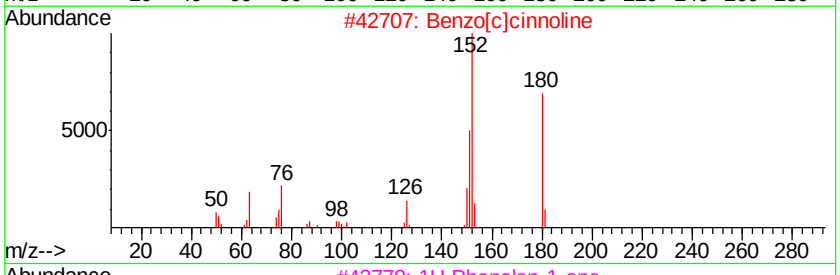
Peak Number 9 9,10-Anthracenedione Concentration Rank 12

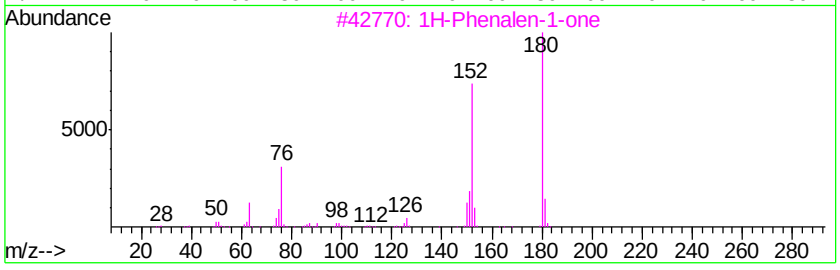
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	6.95 ng	634206	Phenanthrene-d10	17.18

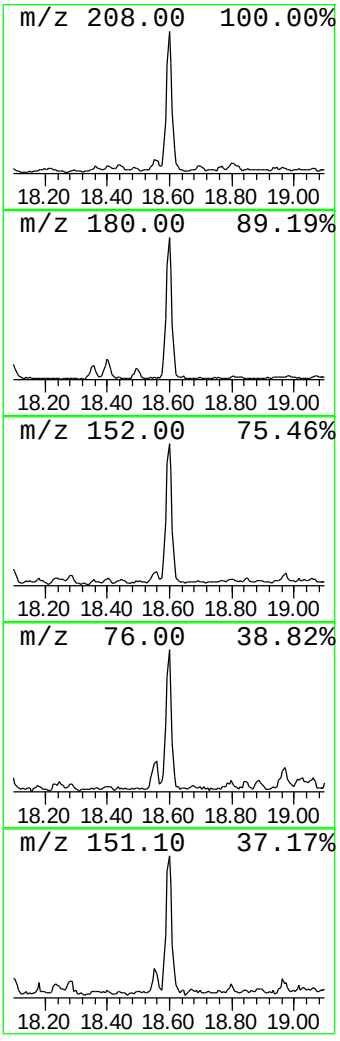
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	2-Thiophenecarboxylic acid, 5-br...	206	C5H3BrO2S	007311-63-9	53











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Sample : K2703-02
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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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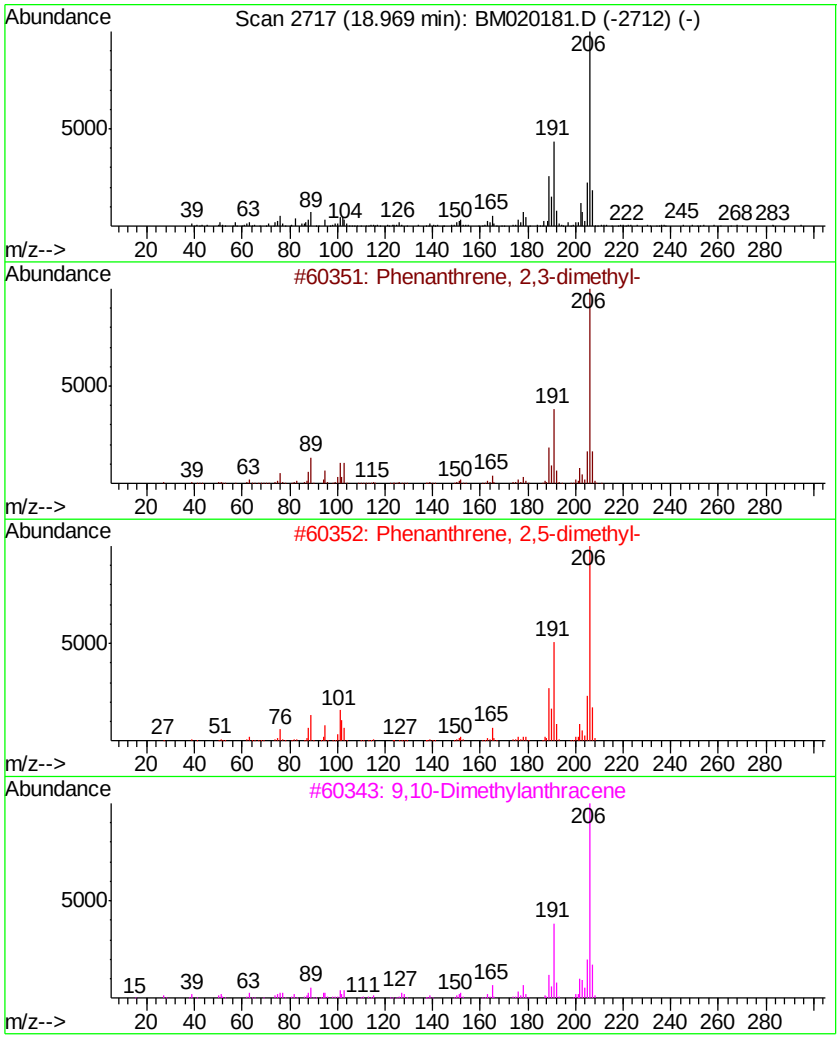
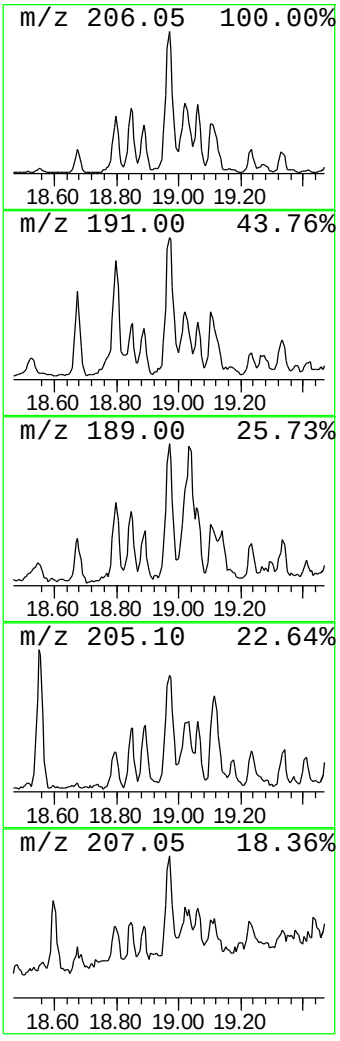
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	7.65 ng	697821	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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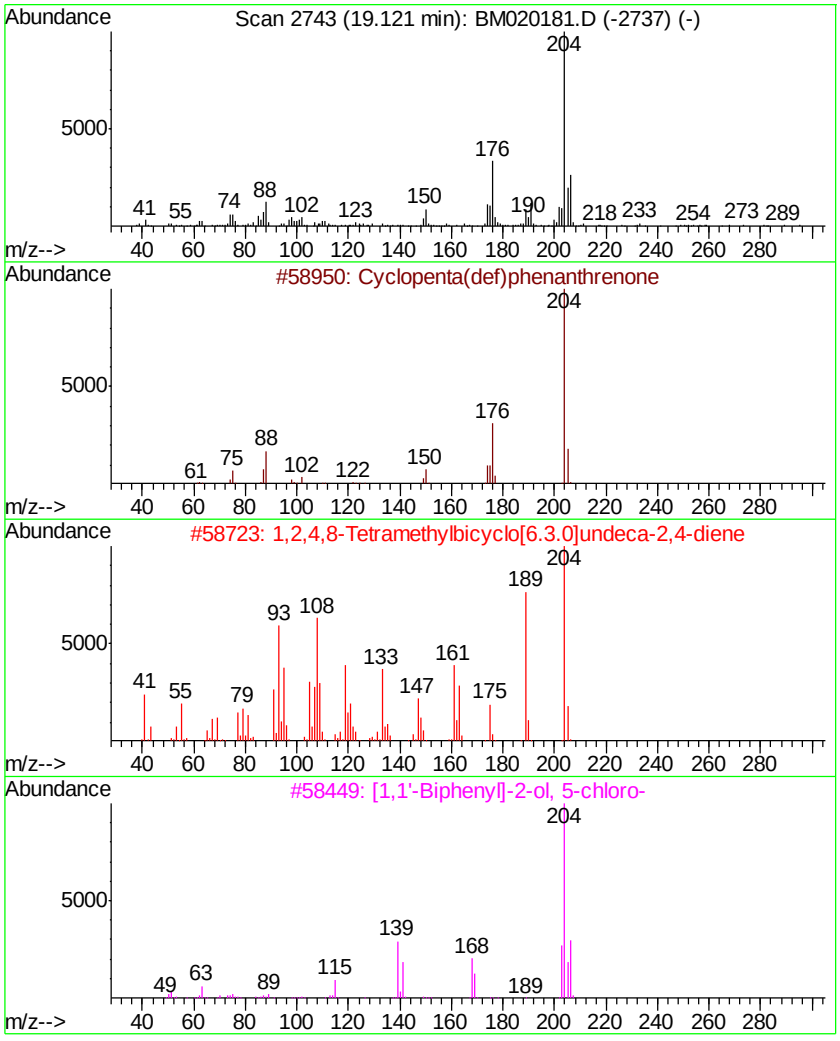
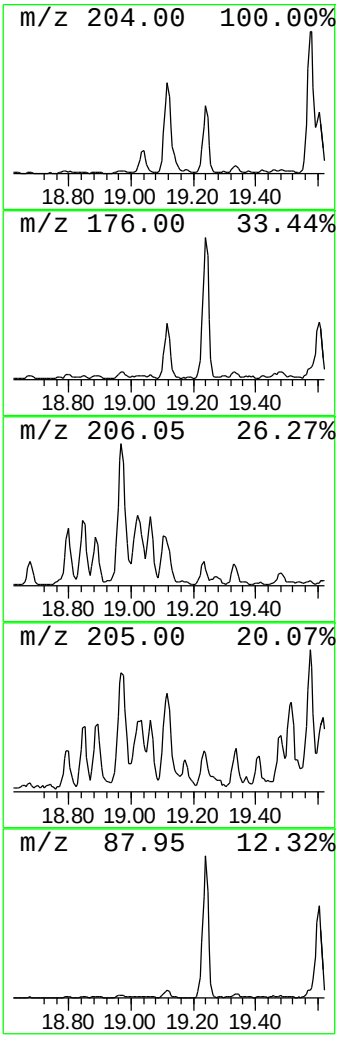
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	6.88 ng	627130	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43





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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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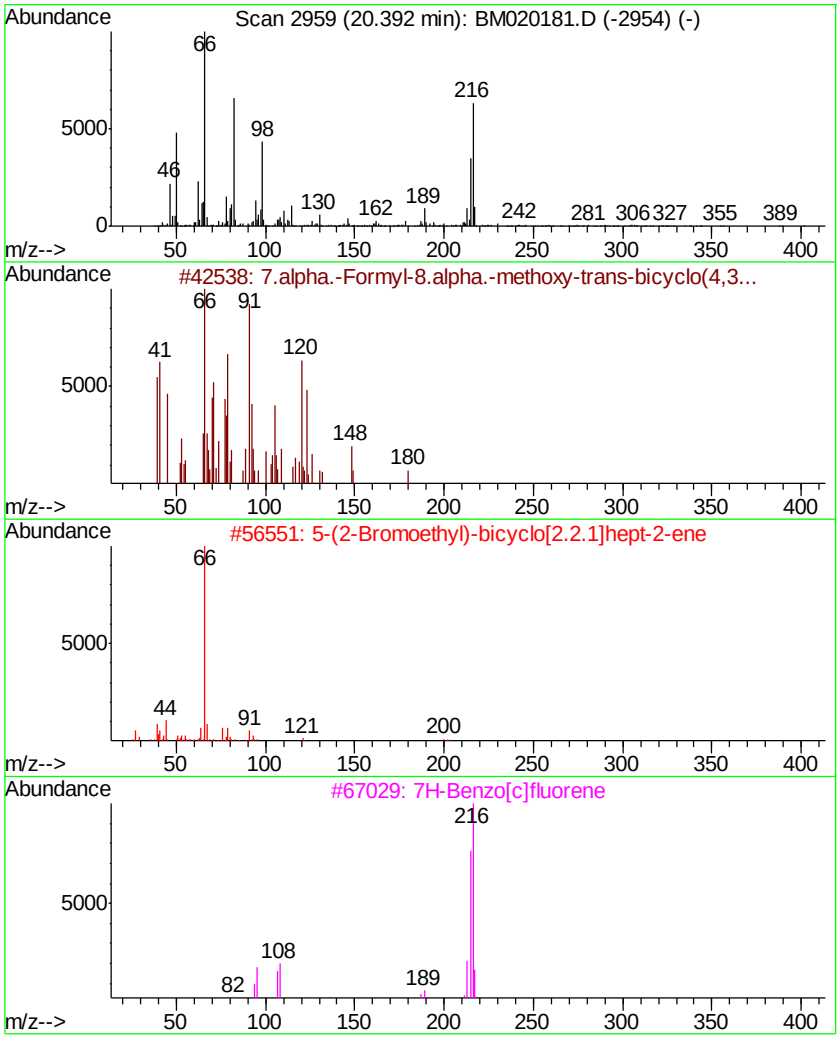
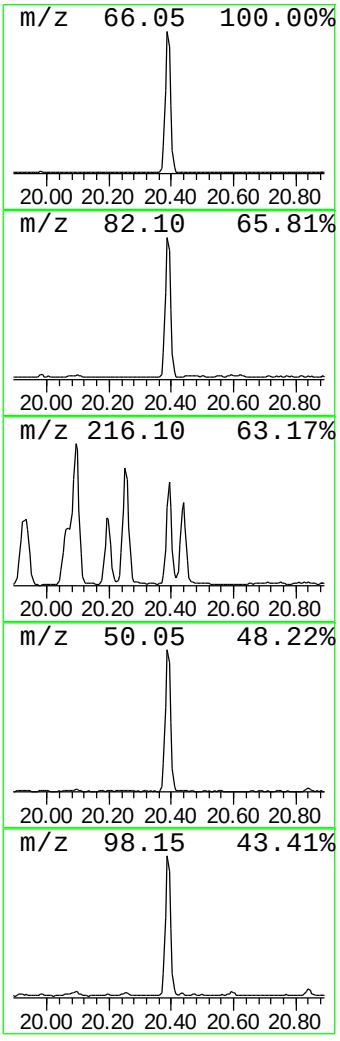
Peak Number 12 unknown20.39 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	5.05 ng	2178330	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7.alpha.-Formyl-8.alpha.-methoxy...	180	C11H16O2	1000144-03-5	30
2	5-(2-Bromoethyl)-bicyclo[2.2.1]h...	200	C9H13Br	1000193-61-6	27
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	27
4	N-Acrylonitryl-2,2-dimethylaziri...	122	C7H10N2	077376-91-1	27
5	4,7-Methano-1H-inden-1-one, 2,3,...	148	C10H12O	086105-40-0	25





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Misc :
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ClientSampleId : P-3-OW(0-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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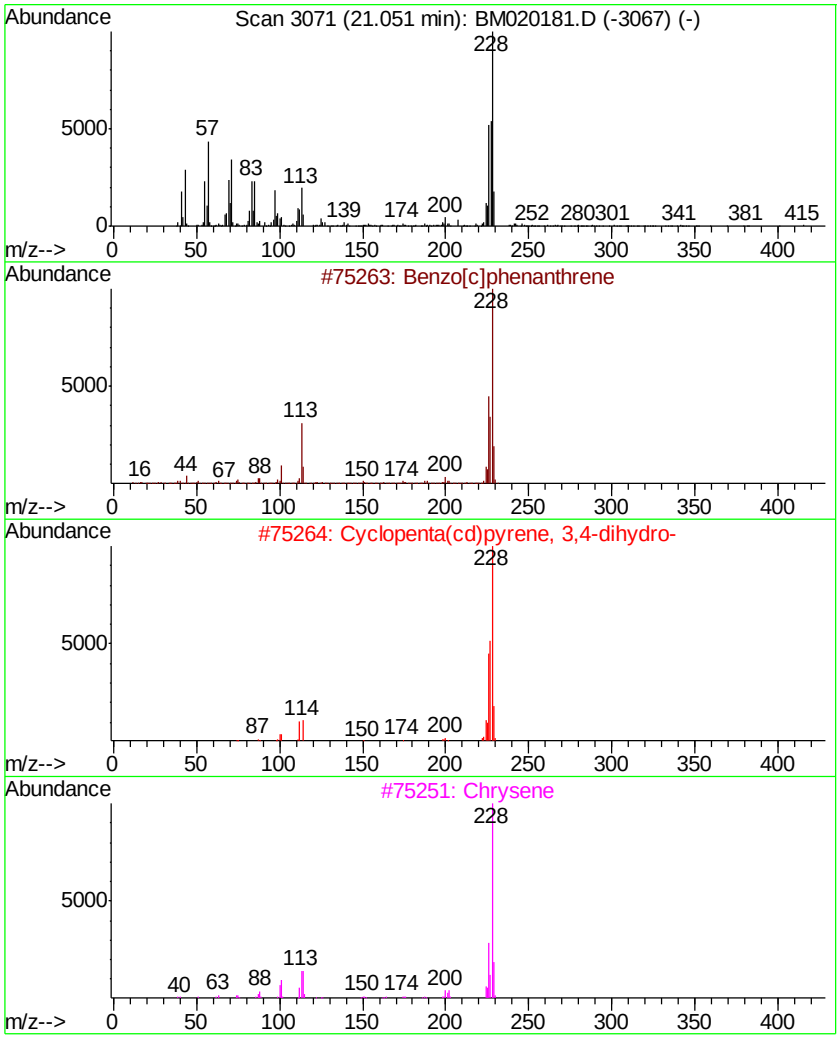
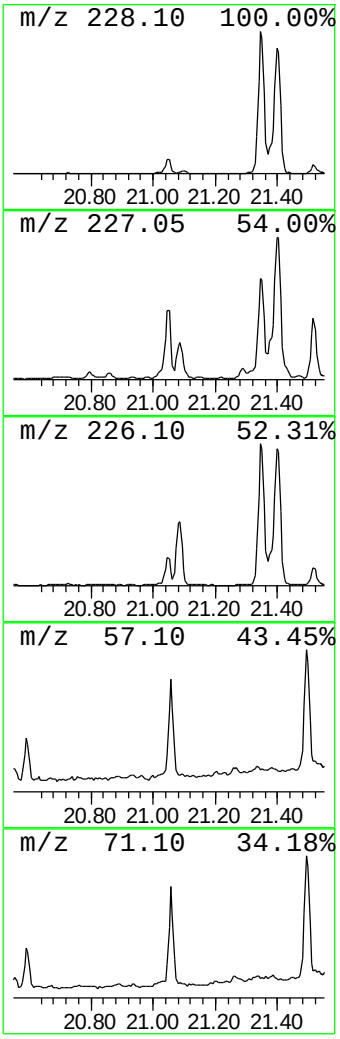
Peak Number 13 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	4.12 ng	1776110	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Chrysene	228	C18H12	000218-01-9	43
4	Triphenylene	228	C18H12	000217-59-4	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





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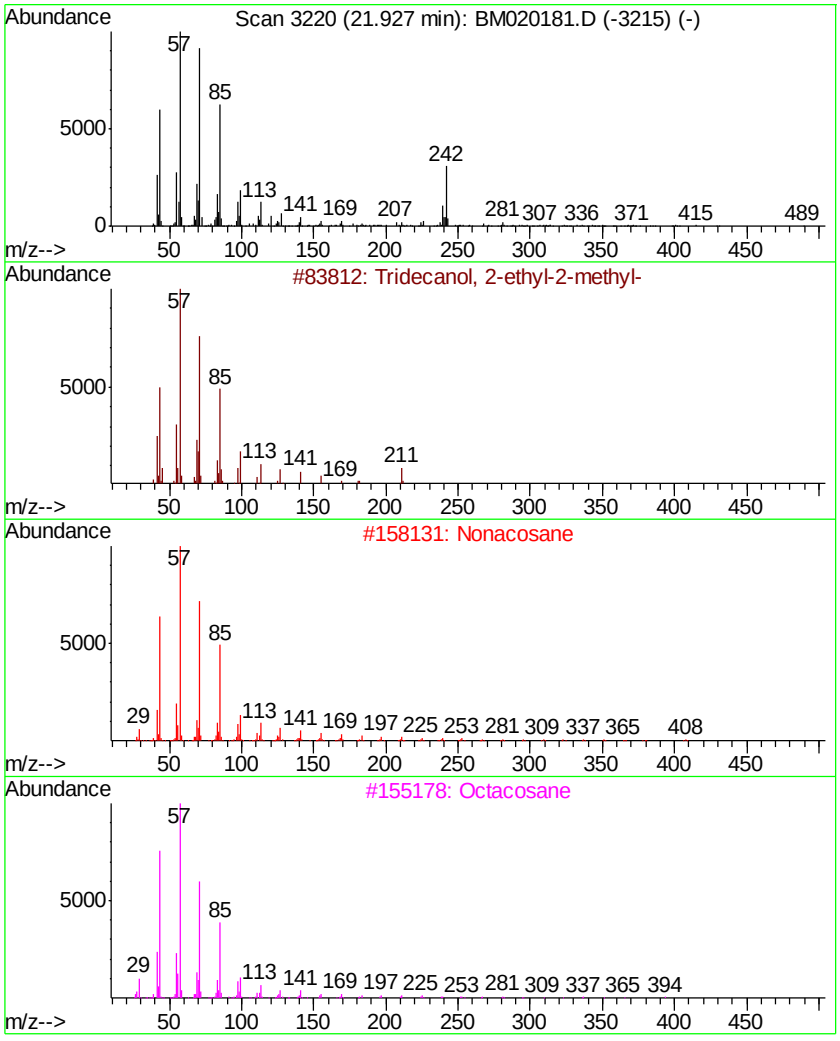
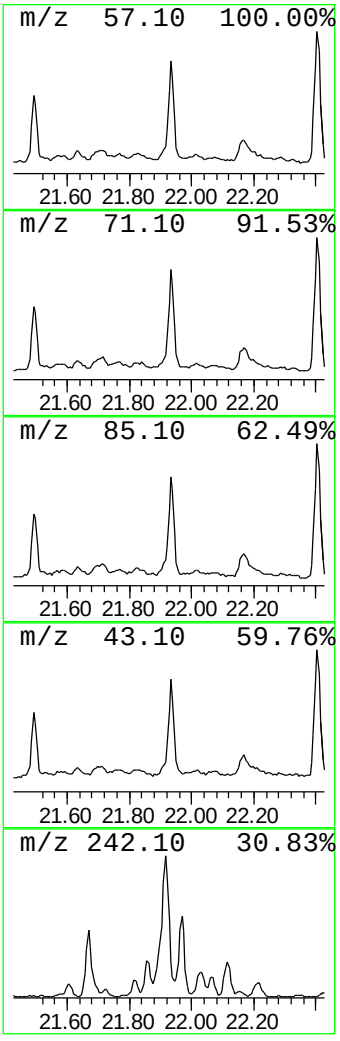
Peak Number 14 Tridecanol, 2-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	4.00 ng	1724250	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	86
2	Nonacosane	408	C29H60	000630-03-5	80
3	Octacosane	394	C28H58	000630-02-4	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Hexadecane	226	C16H34	000544-76-3	72





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Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

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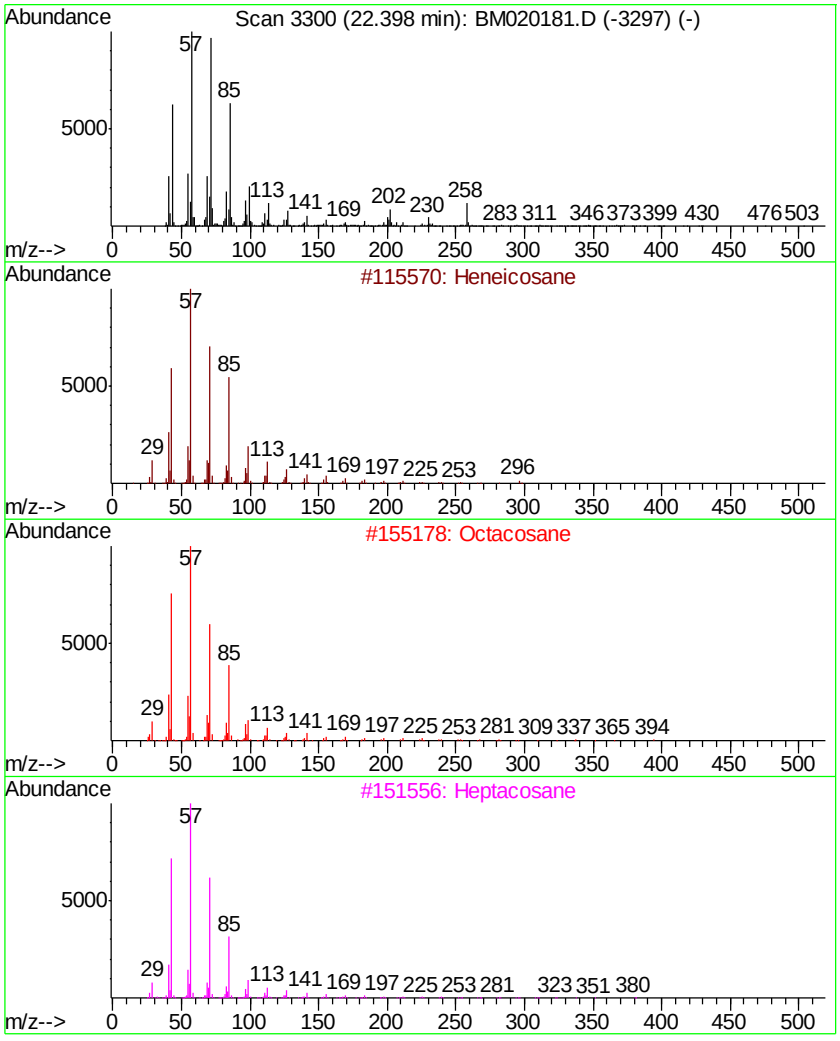
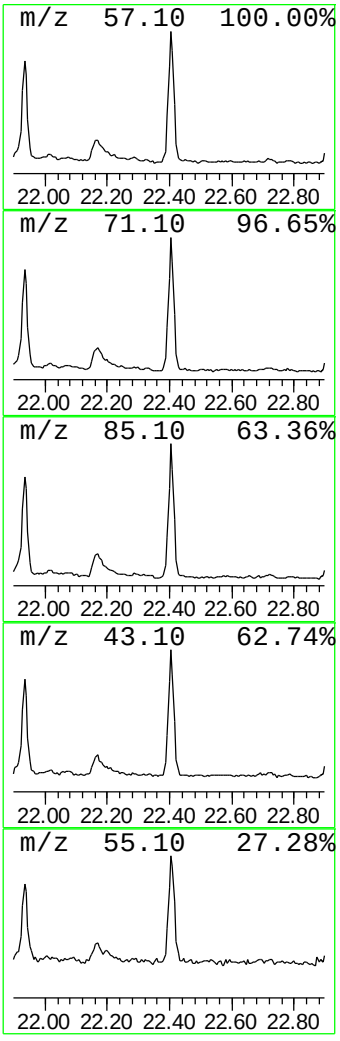
Peak Number 15 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	5.89 ng	2541450	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Heptacosane	380	C27H56	000593-49-7	83
4	Hexatriacontane	507	C36H74	000630-06-8	80
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	74





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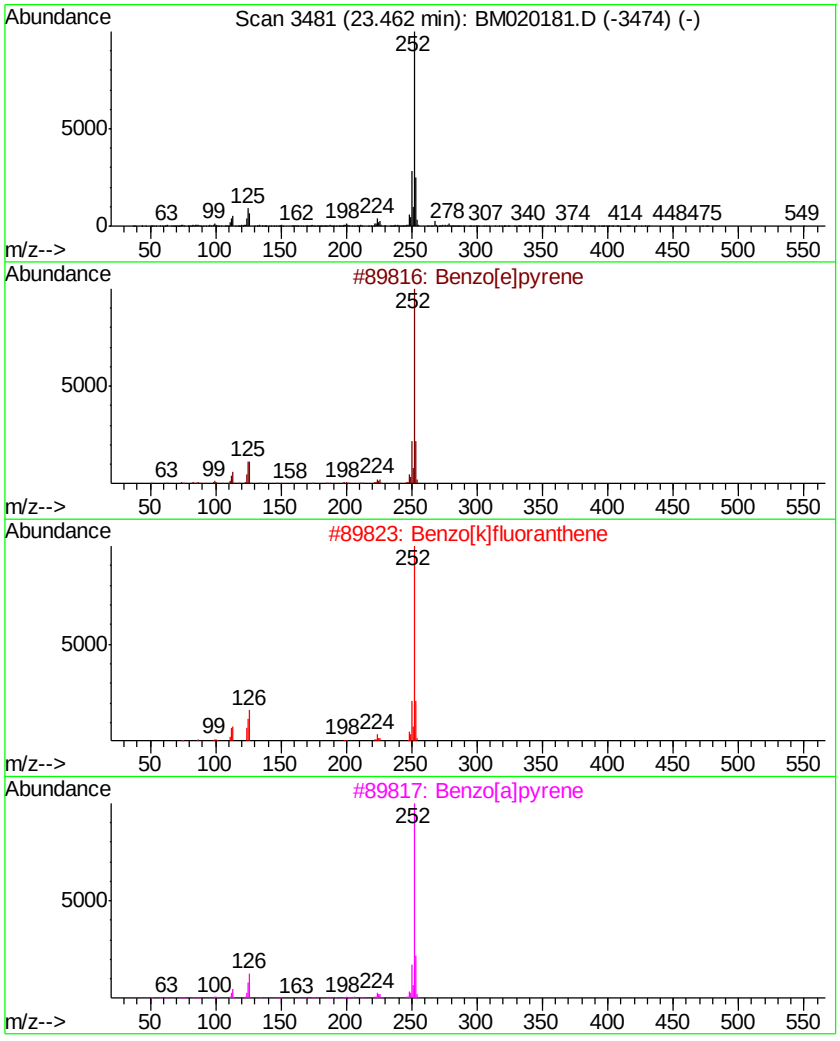
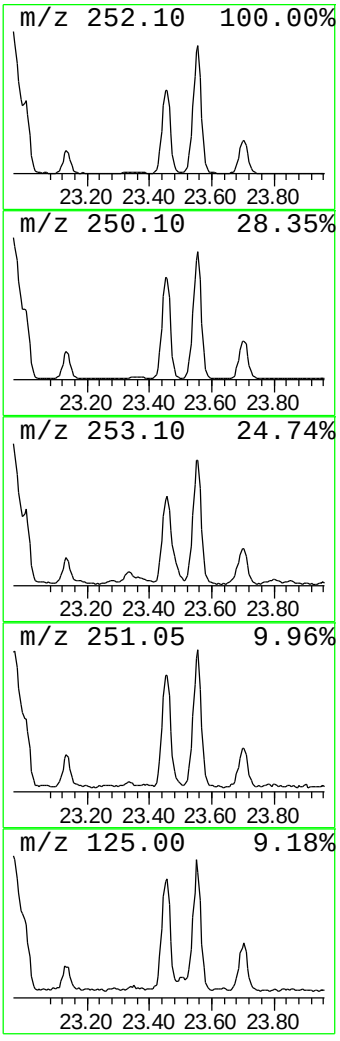
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	33.02 ng	3542460	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





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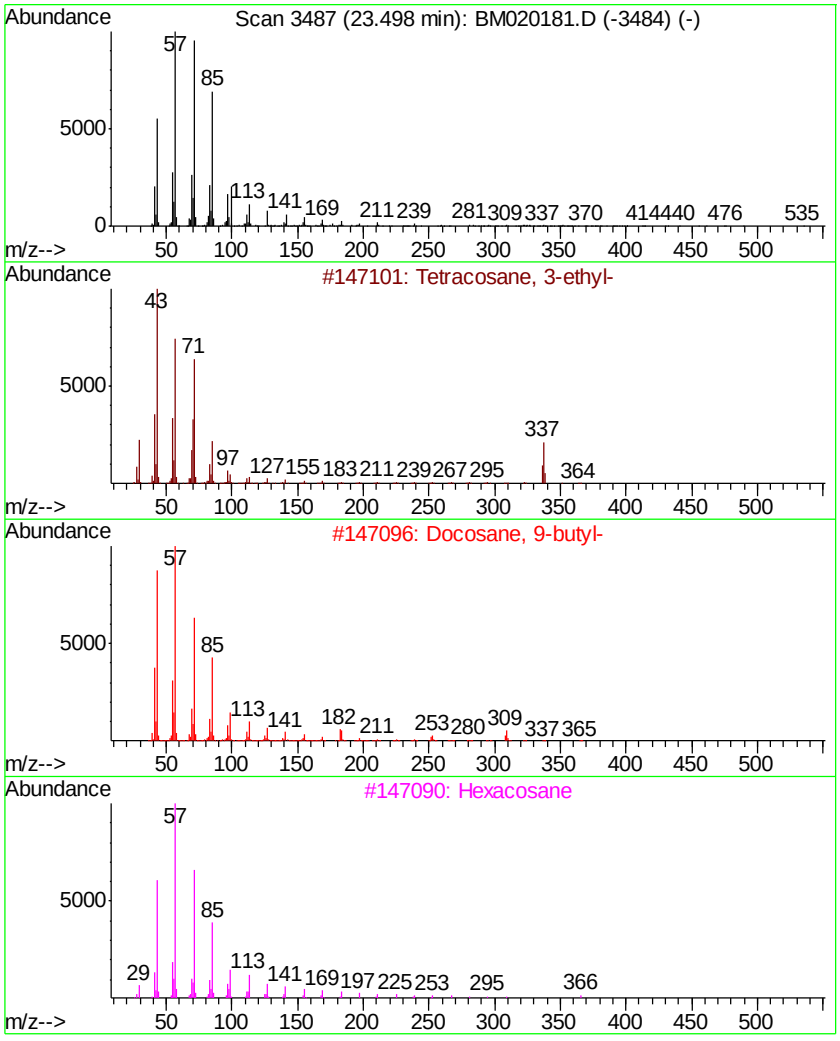
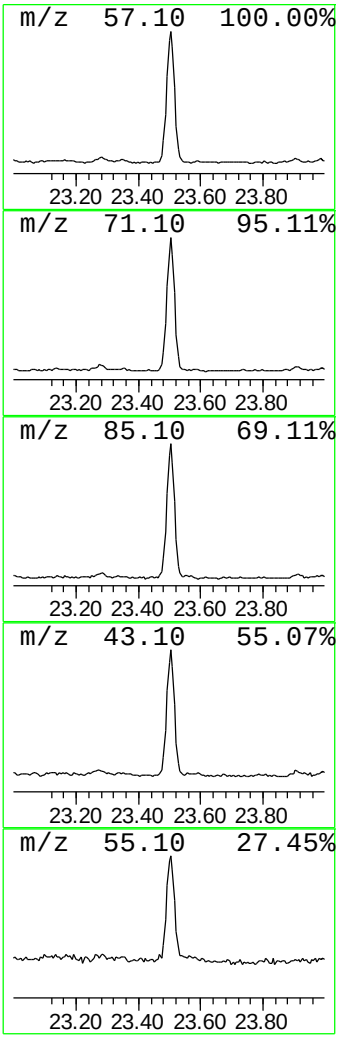
Peak Number 18 Tetracosane, 3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	23.88 ng	2561700	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane, 3-ethyl-	366	C26H54	055282-17-2	95
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
5	Octacosane	394	C28H58	000630-02-4	83





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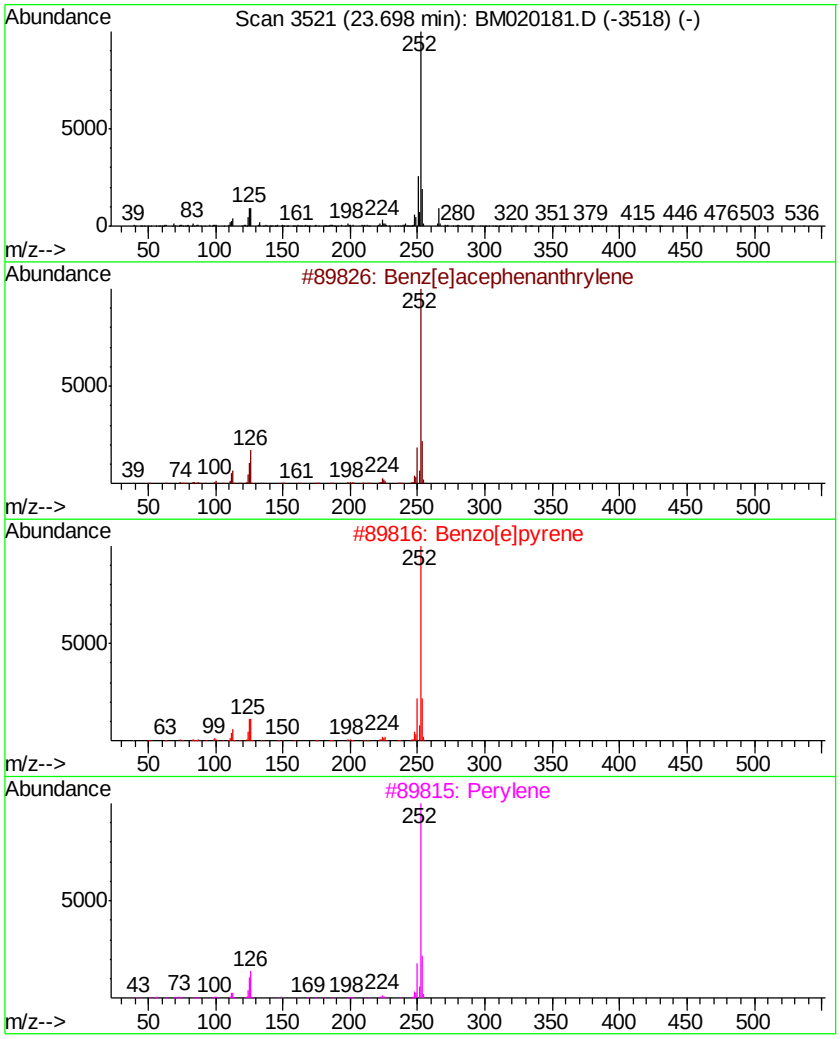
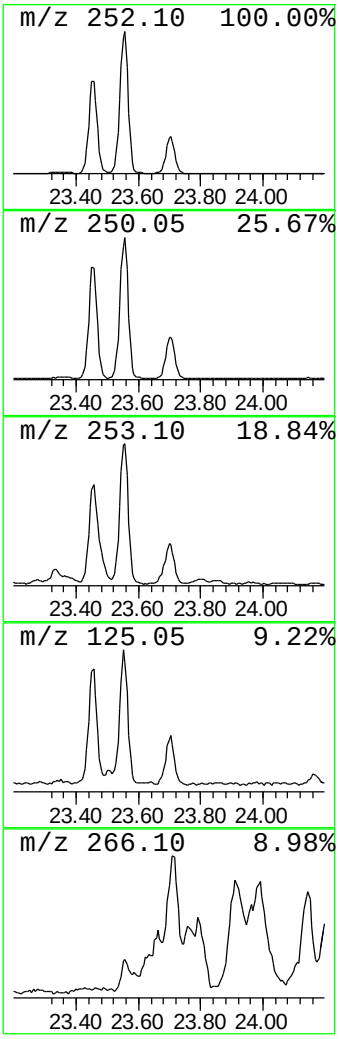
Peak Number 19 Benz[e]acephenanthrylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.70	15.39 ng	1651530	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
2	Benzo[e]pyrene	252	C20H12	000192-97-2	89
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	252	C12H10Cl2N2	000091-94-1	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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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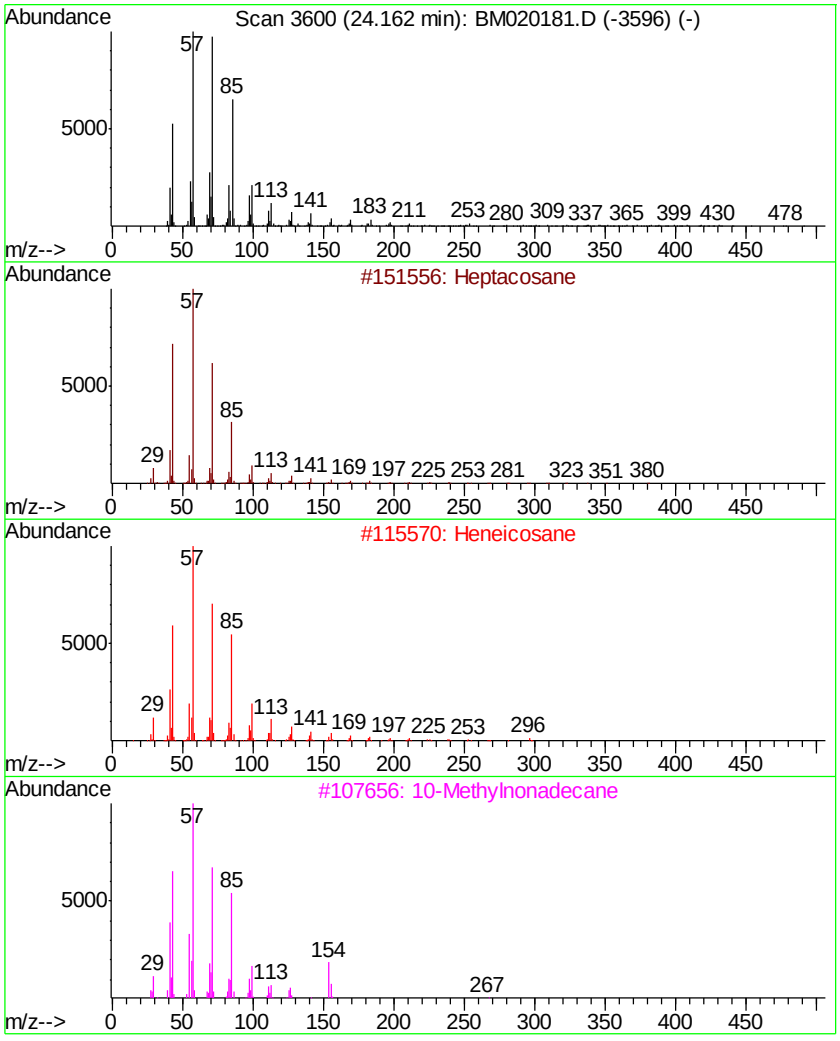
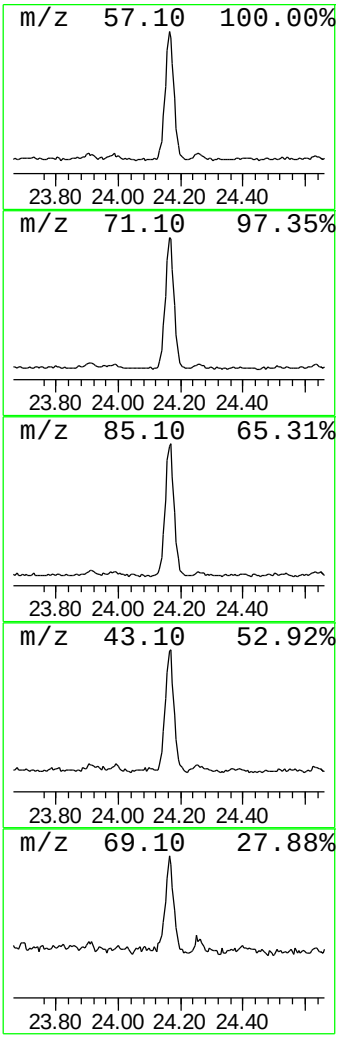
Peak Number 20 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.16	20.71 ng	2221970	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	94
2	Heneicosane	296	C21H44	000629-94-7	90
3	10-Methylnonadecane	282	C20H42	056862-62-5	86
4	Tetratetracontane	619	C44H90	007098-22-8	83
5	Tetradecane	198	C14H30	000629-59-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050719\
Data File : BM020181.D
Acq On : 08 May 2019 00:57
Operator : JU/SJ
Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P-3-OW(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.32	7.32	103.8	ng	4088800	1	7.79	788243	20.0
Naphtho[2,3-b]thi...	17.00	4.3	ng	395679	4	17.18	1824270	20.0
n-Hexadecanoic acid	18.06	30.8	ng	2811150	4	17.18	1824270	20.0
Phenanthrene, 1-m...	18.10	12.8	ng	1162900	4	17.18	1824270	20.0
4H-Cyclopenta[def...	18.25	15.9	ng	1454120	4	17.18	1824270	20.0
Phenanthrene, 2-m...	18.28	6.1	ng	557404	4	17.18	1824270	20.0
5,16[1',2']:8,13[...	18.55	6.9	ng	629399	4	17.18	1824270	20.0
9,10-Anthracenedione	18.60	7.0	ng	634206	4	17.18	1824270	20.0
Phenanthrene, 2,3...	18.97	7.7	ng	697821	4	17.18	1824270	20.0
Cyclopenta(def)ph...	19.12	6.9	ng	627130	4	17.18	1824270	20.0
unknown20.39	20.39	5.0	ng	2178330	5	21.36	8627070	20.0
Benzo[c]phenanthrene	21.05	4.1	ng	1776110	5	21.36	8627070	20.0
Tridecanol, 2-eth...	21.93	4.0	ng	1724250	5	21.36	8627070	20.0
Heneicosane	22.40	5.9	ng	2541450	5	21.36	8627070	20.0
Benzo[e]pyrene	23.46	33.0	ng	3542460	6	23.65	2145850	20.0
Tetracosane, 3-et...	23.50	23.9	ng	2561700	6	23.65	2145850	20.0
Benz[e]acephenant...	23.70	15.4	ng	1651530	6	23.65	2145850	20.0
Heptacosane	24.16	20.7	ng	2221970	6	23.65	2145850	20.0