LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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	5.234	376	382	391	rBV	1596387	2238586	40.92%	4.736%
2	6.798	638	648	662	rBV	1584034	2380789	43.52%	5.037%
3	7.228	717	721	735	rBV	28046	56612	1.03%	0.120%
4	7.610	780	786	794	rVB	509429	784324	14.34%	1.659%
5	8.751	973	980	989	rBV	1009224	1650773	30.17%	3.493%
6	10.380	1248	1257	1263	rBV	602454	1009828	18.46%	2.136%
7	12.868	1673	1680	1688	rBV	2454436	3447684	63.02%	7.294%
8	13.710	1817	1823	1831	rBV	362756	489733	8.95%	1.036%
9	13.968	1862	1867	1877	rVB	32271	55469	1.01%	0.117%
10	14.251	1907	1915	1921	rBV2	901402	1344442	24.57%	2.844%
11	14.310	1921	1925	1934	rVB	72687	108734	1.99%	0.230%
12	14.651	1977	1983	1987	rBV2	38872	60101	1.10%	0.127%
13	15.298	2087	2093	2100	rBV2	66024	96645	1.77%	0.204%
14	15.739	2162	2168	2177	rBV	2137481	2818226	51.51%	5.963%
15	16.645	2318	2322	2332	rVB2	33738	62227	1.14%	0.132%
16	16.809	2347	2350	2355	rVB	44008	57317	1.05%	0.121%
17	16.992	2376	2381	2385	rBV	1166391	1638061	29.94%	3.466%
18	17.033	2385	2388	2394	rVB	970249	1250345	22.85%	2.645%
19	17.127	2399	2404	2410	rVB	172148	249548	4.56%	0.528%
20	17.398	2446	2450	2455	rVB	66366	94293	1.72%	0.199%
21	17.868	2524	2530	2534	rBV	166570	237487	4.34%	0.502%
22	17.915	2534	2538	2545	rVV	439393	608601	11.12%	1.288%
23	17.992	2545	2551	2557	rVV2	85397	185752	3.40%	0.393%
24	18.062	2557	2563	2567	rVV2	214934	423219	7.74%	0.895%
25	18.098	2567	2569	2577	rVB	129550	161298	2.95%	0.341%
26	18.374	2612	2616	2619	rBV	105587	137232	2.51%	0.290%
27	18.409	2619	2622	2629	rVB2	85052	132437	2.42%	0.280%
28	18.645	2655	2662	2665	rBV2	184054	298545	5.46%	0.632%
29	18.686	2665	2669	2672	rVB2	166541	221973	4.06%	0.470%
30	18.792	2681	2687	2692	rBV2	114720	238277	4.36%	0.504%
31	18.856	2693	2698	2702	rBV3	67660	119794	2.19%	0.253%
32	18.933	2707	2711	2719	rVB3	78813	139316	2.55%	0.295%
33	19.056	2727	2732	2740	rBV	1628577	2079260	38.01%	4.399%
34	19.203	2753	2757	2761	rBV2	100976	132461	2.42%	0.280%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.421	2785	2794	2803	rBV	1508622	2460494	44.97%	5.206%
36	19.492	2803	2806	2812	rVV2	59764	109648	2.00%	0.232%
37	19.545	2812	2815	2820	rVB	116703	142534	2.61%	0.302%
38	19.633	2825	2830	2842	rVB	4540610	5470901	100.00%	11.575%
39	19.756	2845	2851	2857	rBV2	103994	276575	5.06%	0.585%
40	19.886	2870	2873	2875	rBV3	57005	78339	1.43%	0.166%
41	19.921	2876	2879	2884	rVB	210740	301706	5.51%	0.638%
42	20.021	2893	2896	2899	rBV	104239	125151	2.29%	0.265%
43	20.080	2900	2906	2910	rBV2	187943	277884	5.08%	0.588%
44	20.221	2926	2930	2933	rBV	116335	154326	2.82%	0.327%
45	20.268	2934	2938	2942	rVV	118740	178948	3.27%	0.379%
46	20.344	2948	2951	2955	rBV	59292	73929	1.35%	0.156%
47	20.556	2983	2987	2991	rBV	336221	409201	7.48%	0.866%
48	20.668	3003	3006	3013	rVB2	165225	227853	4.16%	0.482%
49	20.874	3038	3041	3044	rBV	134921	145182	2.65%	0.307%
50	20.927	3045	3050	3054	rBV2	457600	615449	11.25%	1.302%
51	21.133	3082	3085	3088	rBV2	121896	136724	2.50%	0.289%
52	21.186	3088	3094	3098	rVV2	1838383	3427964	62.66%	7.253%
53	21.227	3098	3101	3108	rVB	844819	1056810	19.32%	2.236%
54	21.344	3118	3121	3123	rBV	101191	114406	2.09%	0.242%
55	21.497	3143	3147	3153	rBV3	115368	223214	4.08%	0.472%
56	21.733	3185	3187	3191	rVB	167085	184763	3.38%	0.391%
57	22.727	3351	3356	3372	rVB	661680	2171875	39.70%	4.595%
58	23.185	3430	3434	3443	rVB	438547	789529	14.43%	1.670%
59	23.280	3445	3450	3459	rVB	618209	1095755	20.03%	2.318%
60	23.374	3460	3466	3471	rBV	1151432	2007092	36.69%	4.246%

Sum of corrected areas: 47265641

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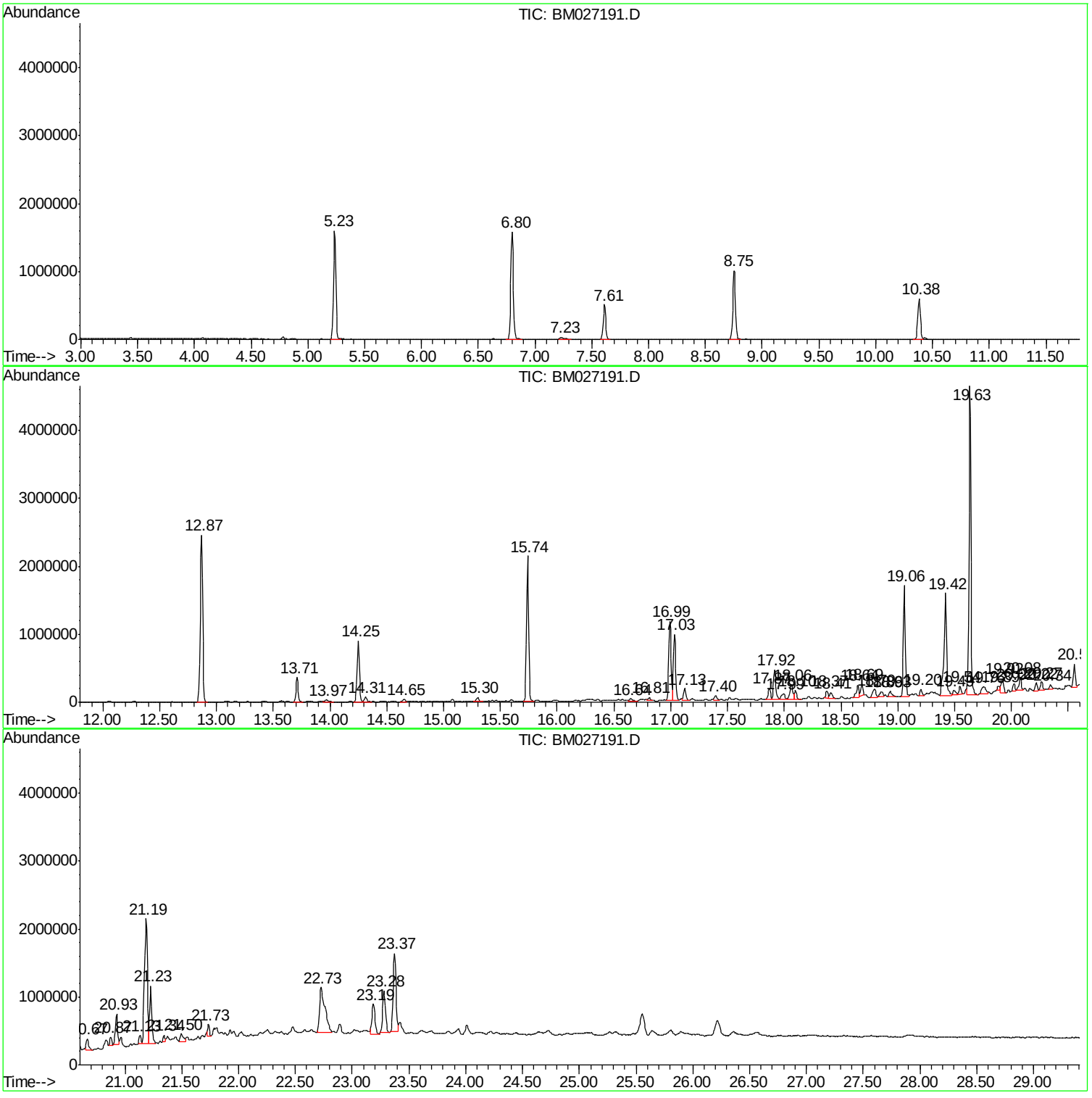
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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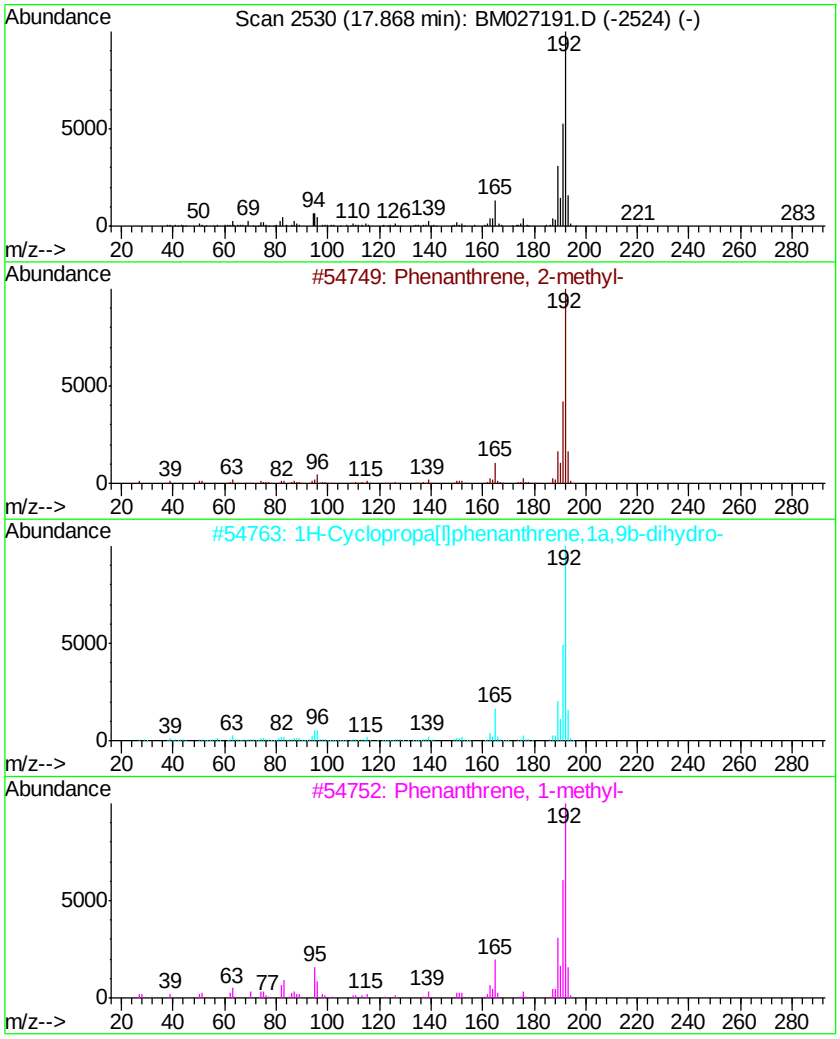
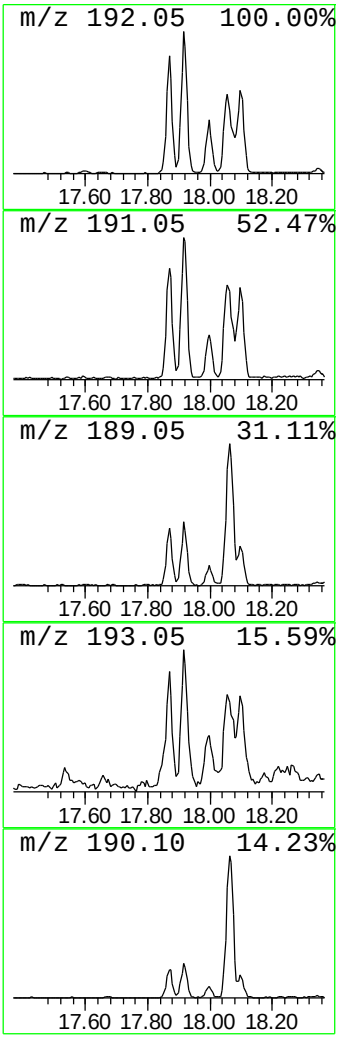
Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.90 ng	237487	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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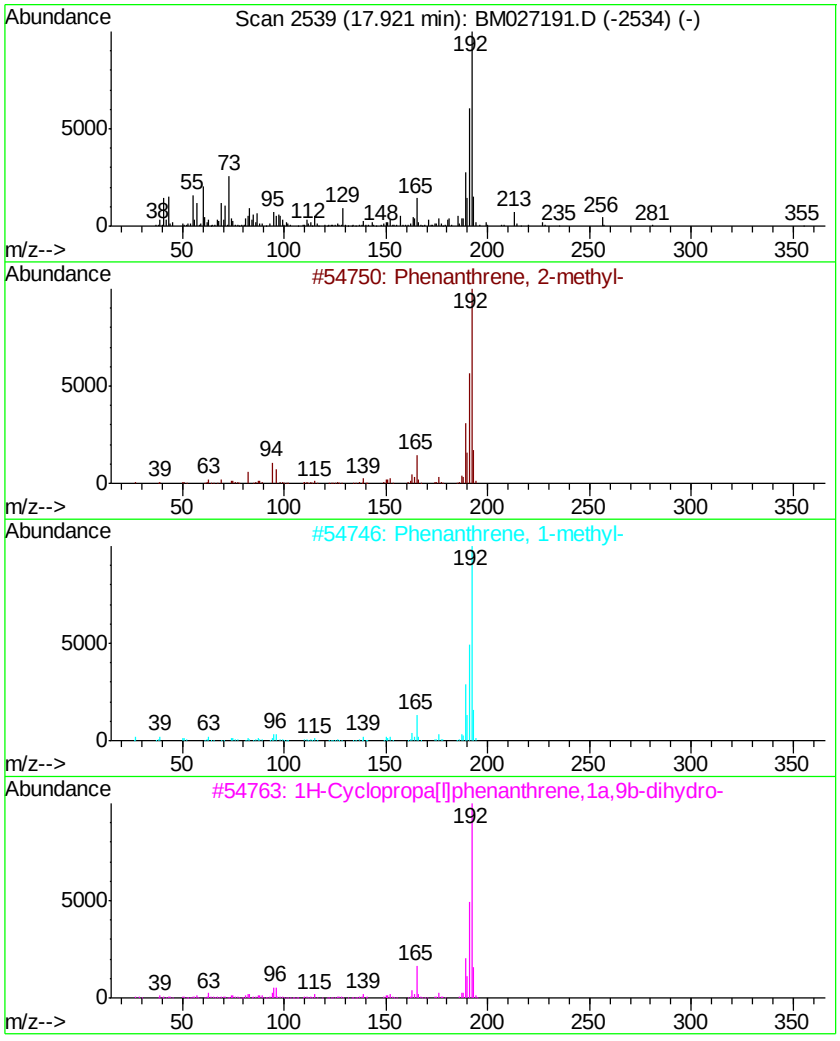
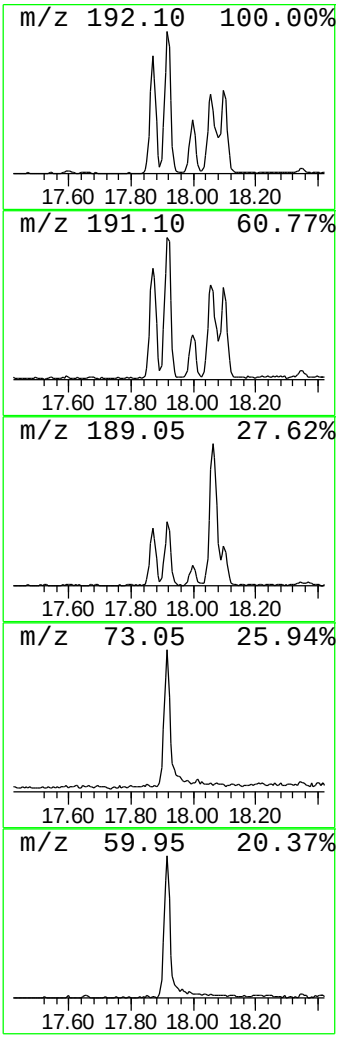
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	7.43 ng	608601	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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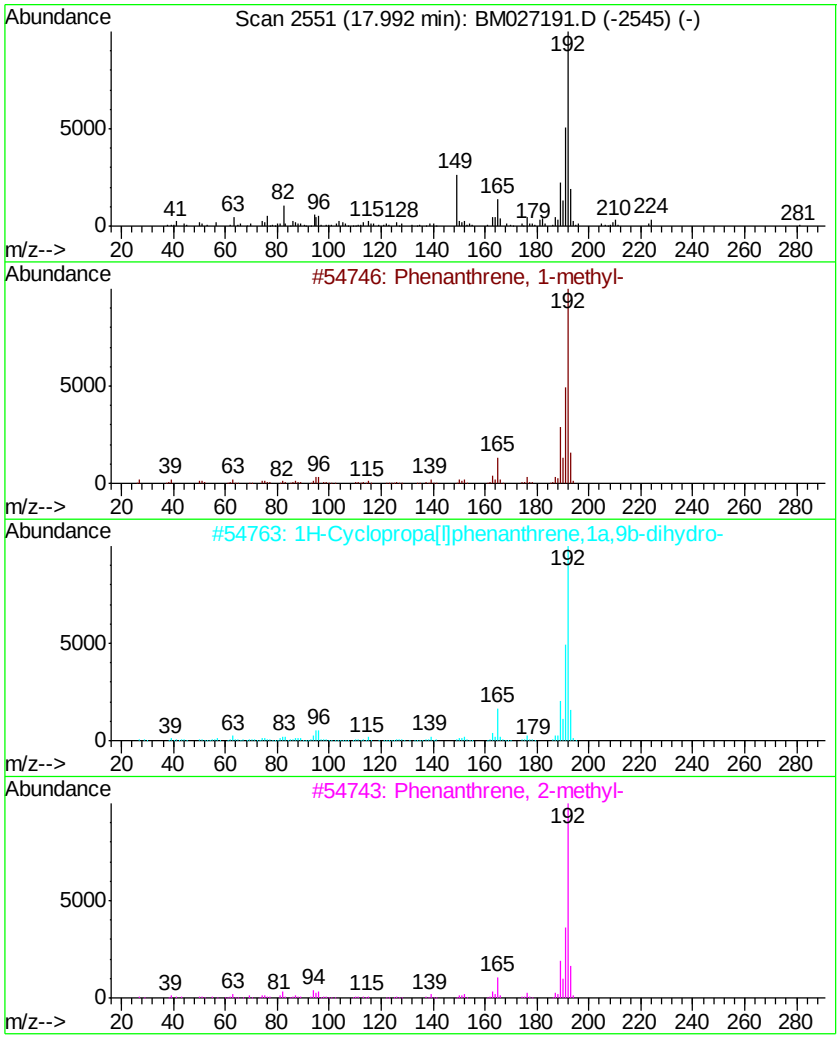
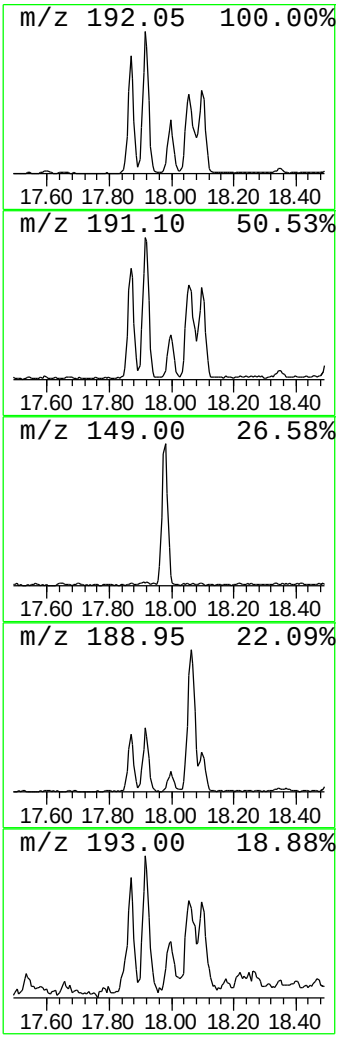
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.27 ng	185752	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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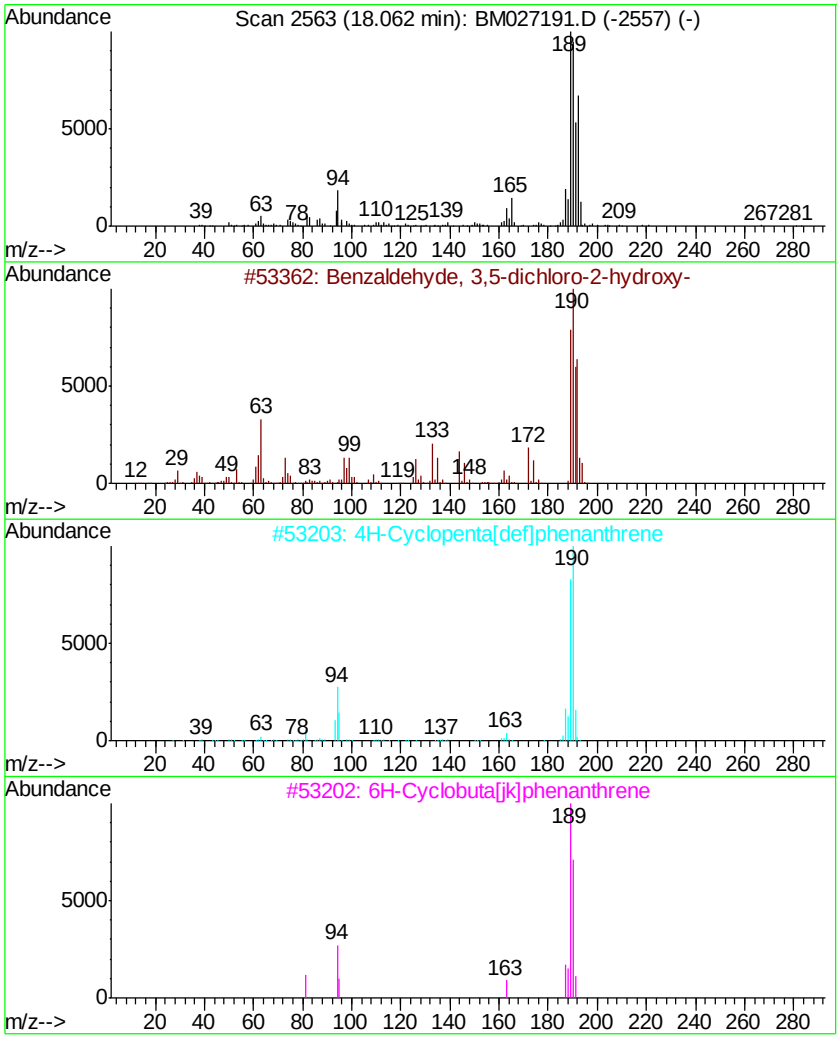
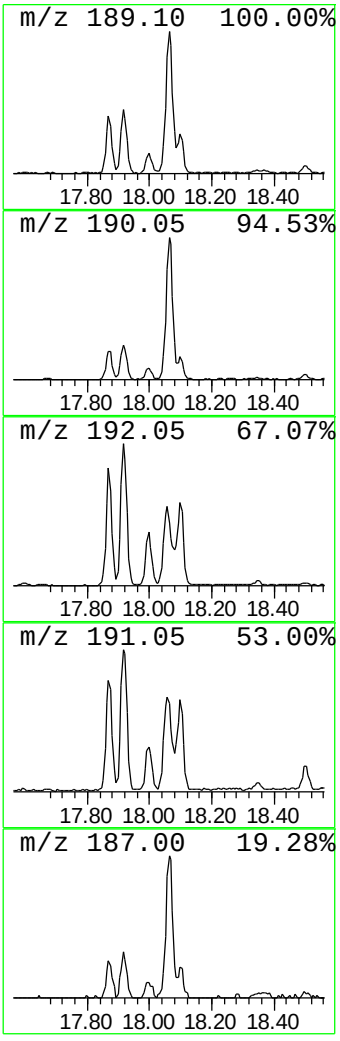
Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.17 ng	423219	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35





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Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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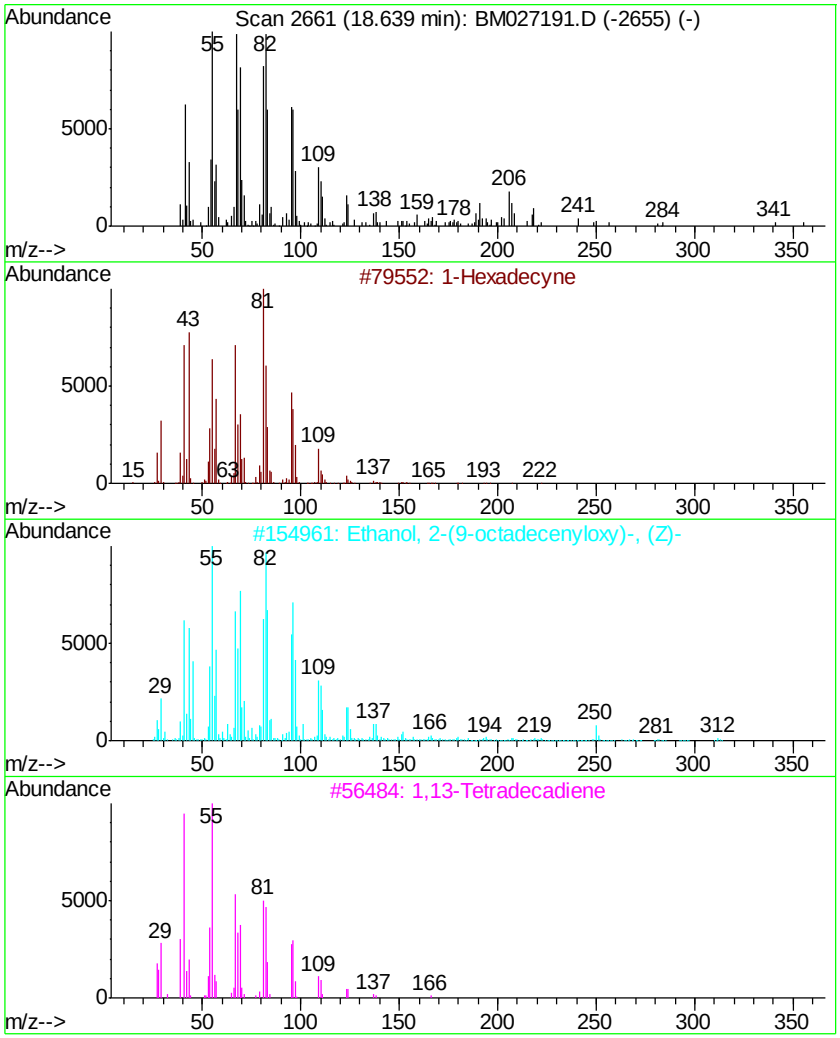
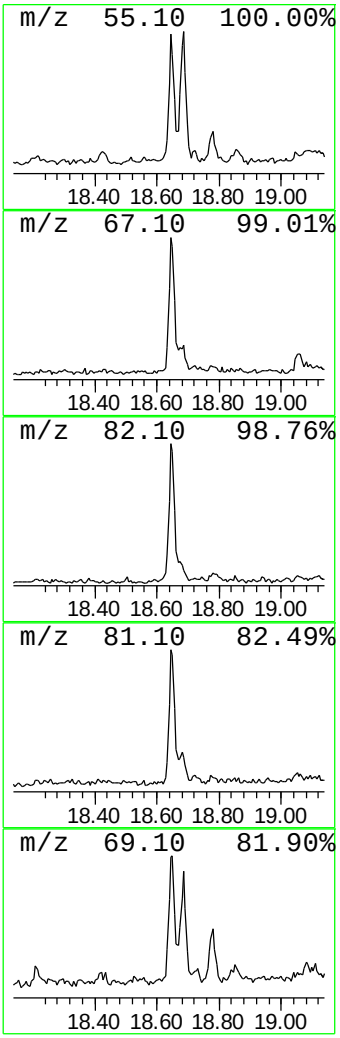
Peak Number 5 1-Hexadecyne Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	3.65 ng	298545	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecyne	222	C16H30	000629-74-3	78
2	Ethanol, 2-(9-octadecenyloxy)-, ...	312	C20H40O2	005353-25-3	76
3	1,13-Tetradecadiene	194	C14H26	021964-49-8	68
4	9-Tetradecen-1-ol, acetate, (E)-	254	C16H30O2	023192-82-7	68
5	8-Dodecen-1-ol, (Z)-	184	C12H24O	040642-40-8	64





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Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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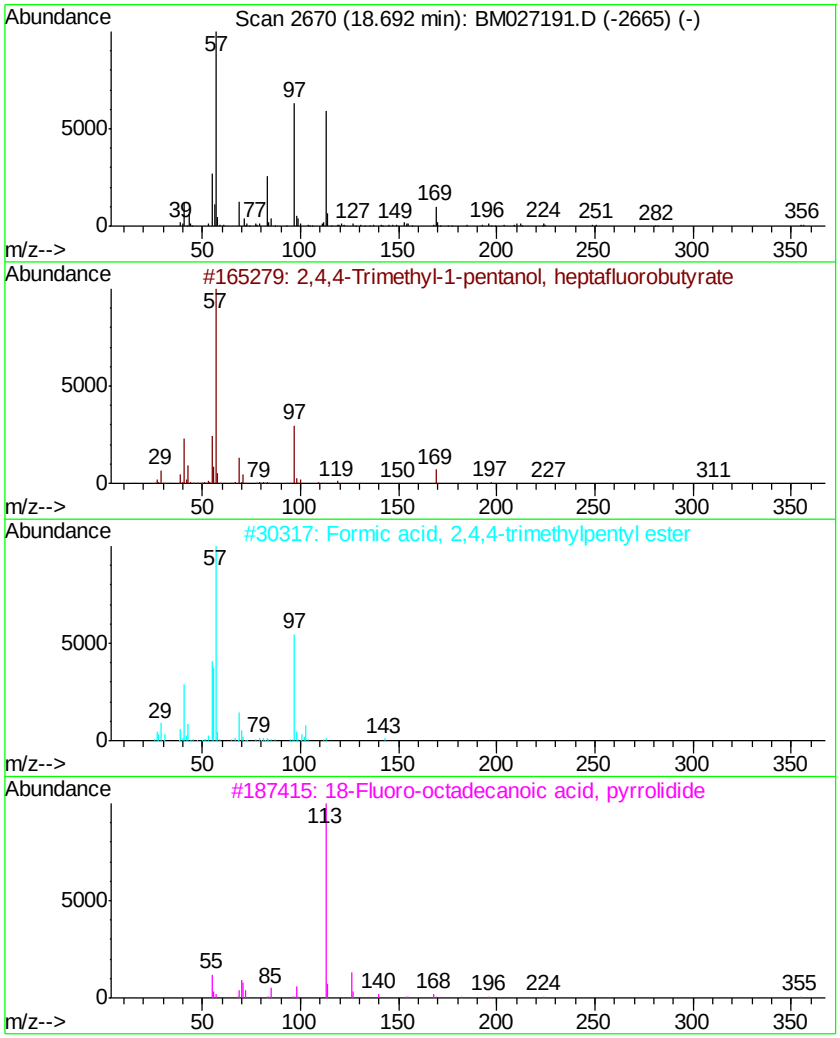
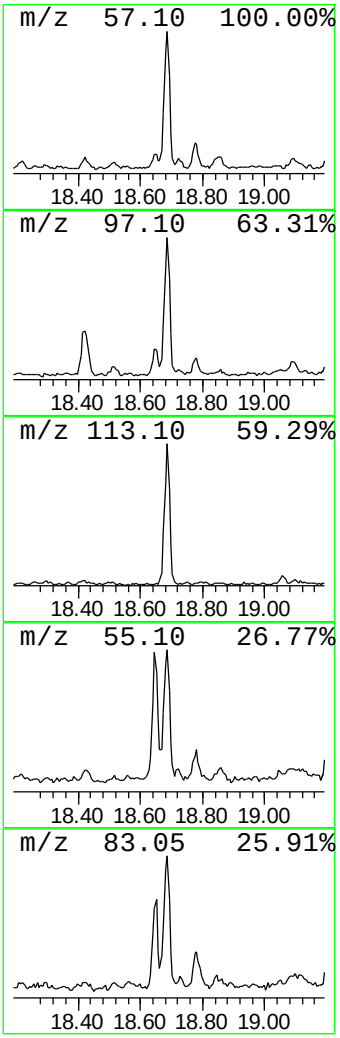
Peak Number 6 unknown18.69 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.71 ng	221973	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	35
2	Formic acid, 2,4,4-trimethylpent...	158	C9H18O2	1000368-95-2	25
3	18-Fluoro-octadecanoic acid, pyr...	355	C22H42FNO	1000336-07-8	22
4	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	18
5	Cyclohexanecarboxylic acid, 2-et...	184	C10H16O3	113122-03-5	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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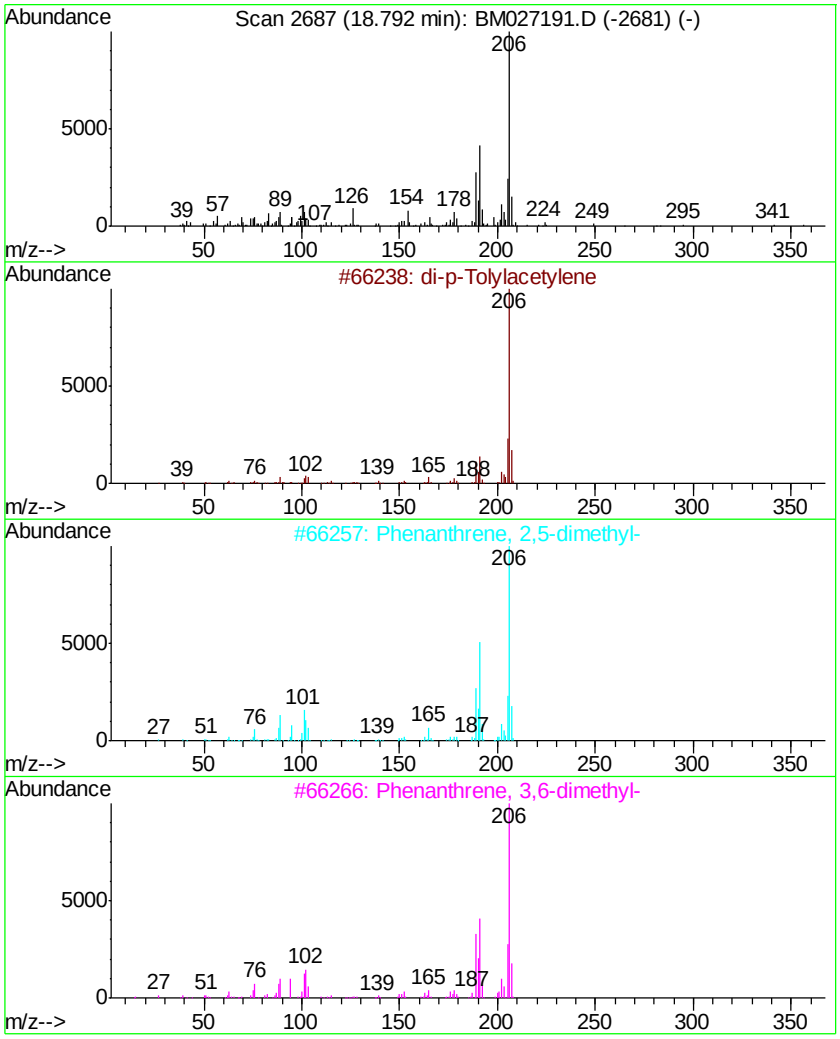
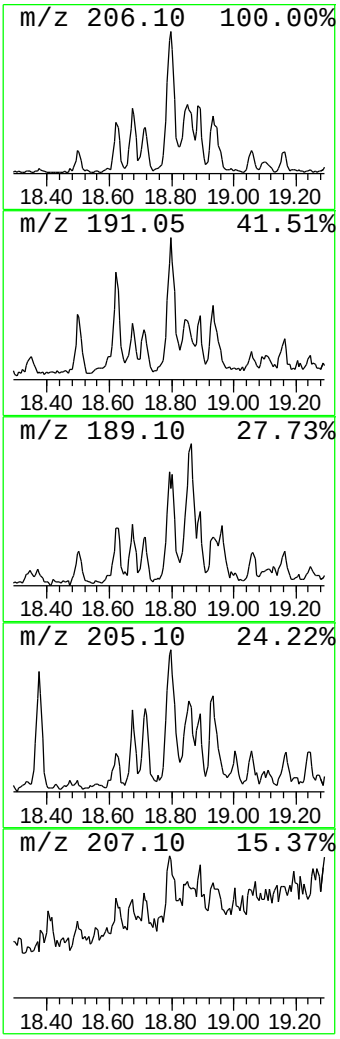
Peak Number 7 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.91 ng	238277	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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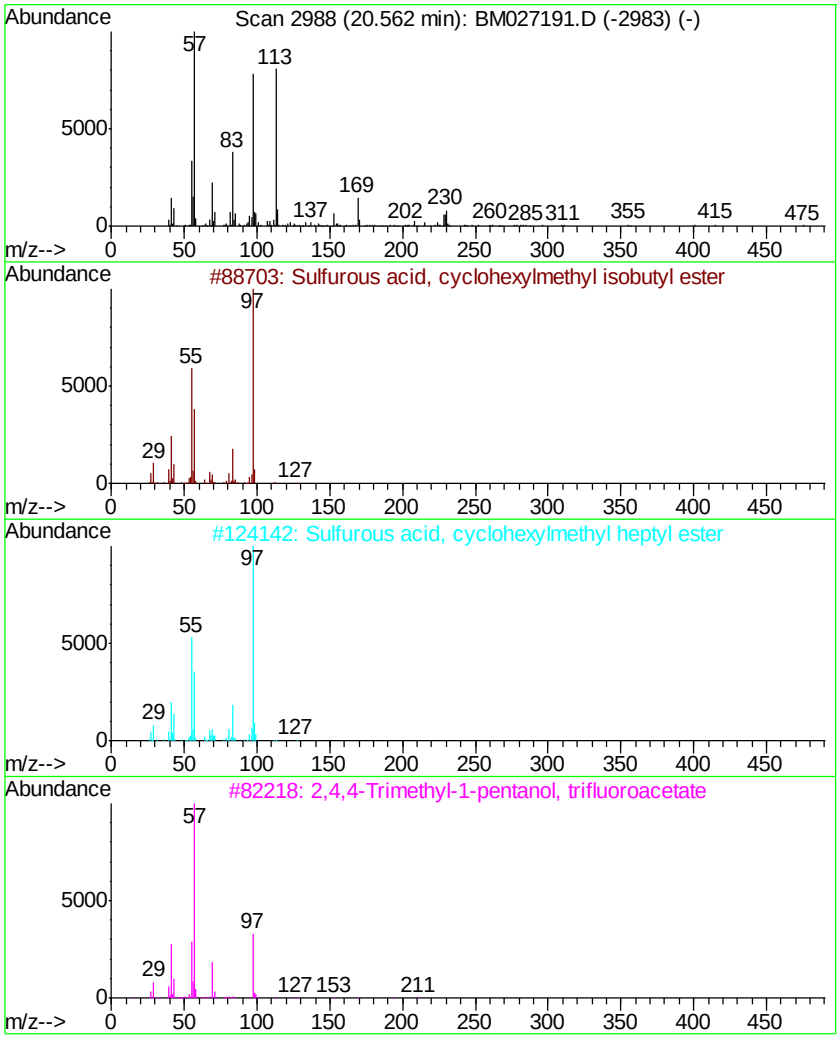
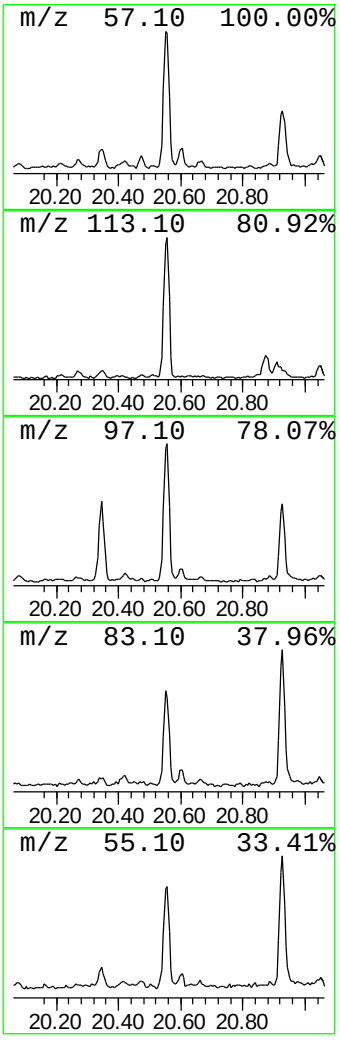
Peak Number 8 unknown20.56 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	2.39 ng	409201	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	38
2	Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	37
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	32
4	2-Thiopheneacetic acid, tridec-2...	320	C19H28O2S	1000299-39-1	27
5	Oxazole, 2,4-dimethyl-	97	C5H7NO	007208-05-1	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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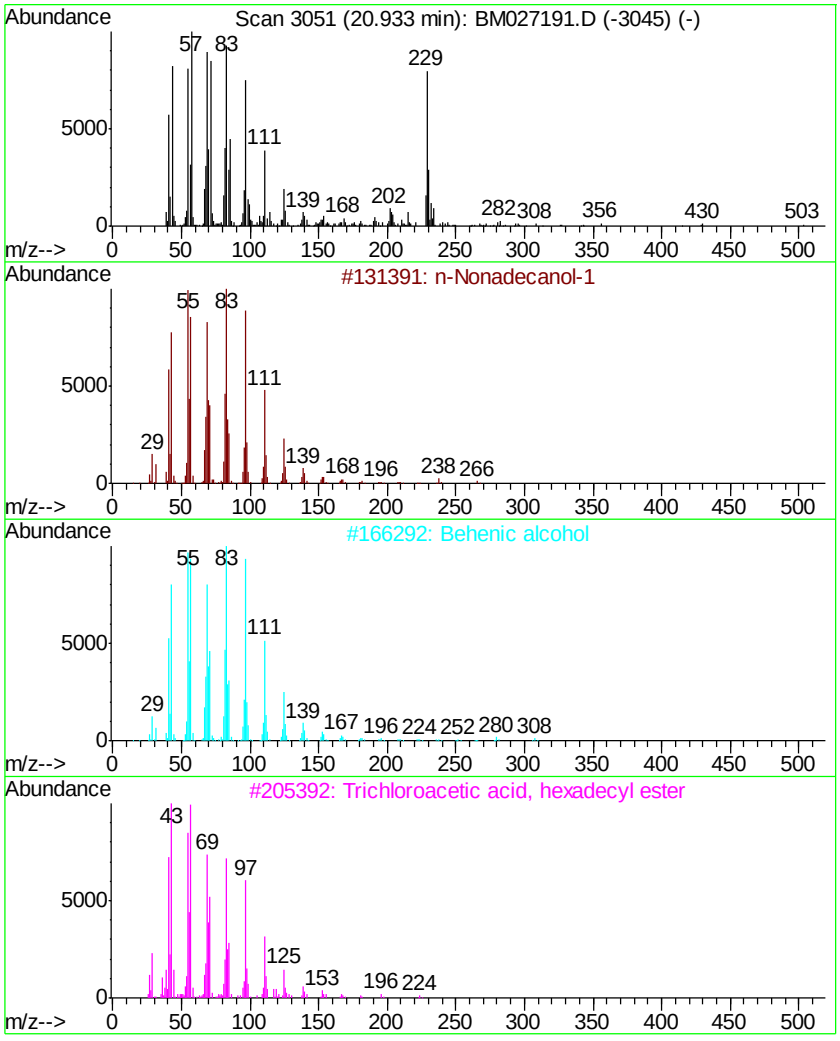
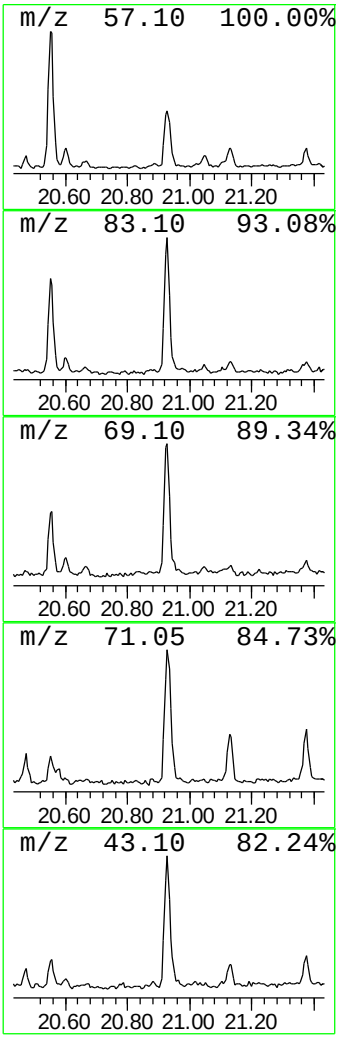
Peak Number 9 n-Nonadecanol-1 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.59 ng	615449	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	81
2	Behenic alcohol	326	C22H46O	000661-19-8	81
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76
4	1-Heneicosanol	312	C21H44O	015594-90-8	74
5	1-Heptadecene	238	C17H34	006765-39-5	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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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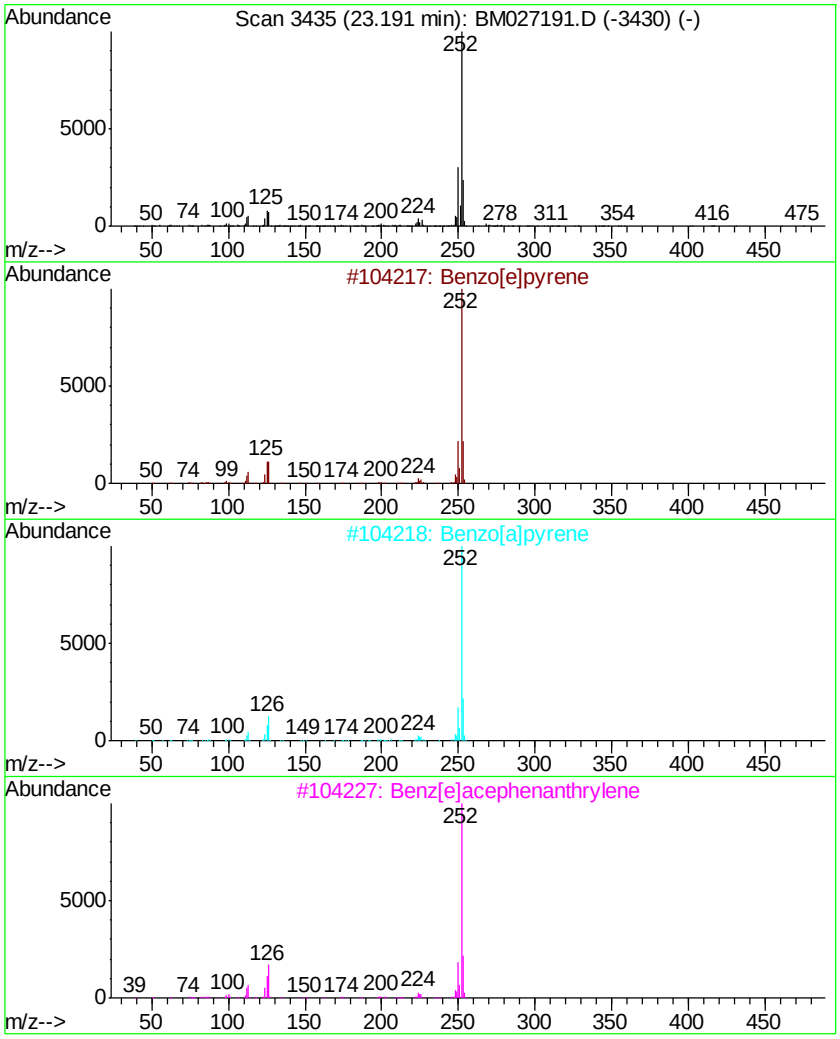
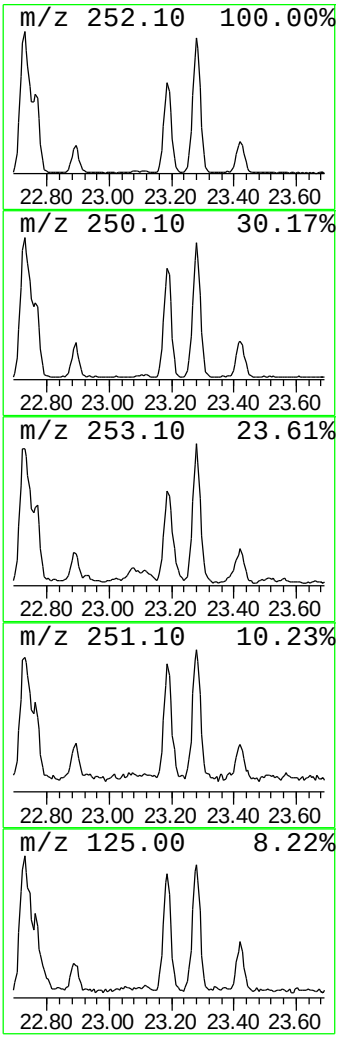
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	7.87 ng	789529	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082120\
Data File : BM027191.D
Acq On : 22 Aug 2020 04:07
Operator : JU/CG
Sample : L3720-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MP-081920-B11-0-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082120.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
Phenanthrene, 2-m...	17.87	2.9	ng	237487	4	16.99	1638060	20.0
Phenanthrene, 1-m...	17.92	7.4	ng	608601	4	16.99	1638060	20.0
1H-Cyclopropa[l]p...	17.99	2.3	ng	185752	4	16.99	1638060	20.0
Benzaldehyde, 3,5...	18.06	5.2	ng	423219	4	16.99	1638060	20.0
1-Hexadecyne	18.64	3.6	ng	298545	4	16.99	1638060	20.0
unknown18.69	18.69	2.7	ng	221973	4	16.99	1638060	20.0
di-p-Tolylacetylene	18.79	2.9	ng	238277	4	16.99	1638060	20.0
unknown20.56	20.56	2.4	ng	409201	5	21.19	3427960	20.0
n-Nonadecanol-1	20.93	3.6	ng	615449	5	21.19	3427960	20.0
Benzo[e]pyrene	23.19	7.9	ng	789529	6	23.37	2007090	20.0