LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SS1

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-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM028154.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.704	422	428	440	rBV	490254	733193	21.67%	1.943%
2	7.345	700	707	722	rVB	516683	839995	24.83%	2.226%
3	7.798	779	784	792	rBV	22944	41404	1.22%	0.110%
4	8.210	847	854	861	rBV	678909	1070300	31.63%	2.836%
5	9.386	1047	1054	1063	rBV	296813	505352	14.94%	1.339%
6	11.039	1328	1335	1342	rBV	943749	1560576	46.12%	4.135%
7	13.463	1740	1747	1757	rVB	664450	988183	29.21%	2.618%
8	14.280	1881	1886	1892	rVB	55862	80816	2.39%	0.214%
9	14.839	1974	1981	1987	rBV	1382922	2041508	60.34%	5.409%
10	15.527	2094	2098	2107	rVB4	26458	40184	1.19%	0.106%
11	15.868	2150	2156	2163	rBV2	28494	51393	1.52%	0.136%
12	16.304	2224	2230	2238	rBV	594392	870764	25.74%	2.307%
13	16.933	2330	2337	2344	rBV8	15840	42037	1.24%	0.111%
14	17.209	2380	2384	2389	rVB	36523	49044	1.45%	0.130%
15	17.380	2409	2413	2415	rBV	27493	36603	1.08%	0.097%
16	17.556	2437	2443	2447	rBV	1683610	2361293	69.79%	6.257%
17	17.598	2447	2450	2456	rVB	823424	1033653	30.55%	2.739%
18	17.686	2461	2465	2470	rVV	138242	192017	5.68%	0.509%
19	17.745	2470	2475	2480	rVB	49231	75069	2.22%	0.199%
20	17.951	2501	2510	2519	rBV2	100963	178379	5.27%	0.473%
21	18.256	2558	2562	2572	rVB3	81692	137867	4.07%	0.365%
22	18.415	2584	2589	2594	rVV2	206002	356157	10.53%	0.944%
23	18.468	2594	2598	2605	rVV	183398	274477	8.11%	0.727%
24	18.551	2608	2612	2617	rVV2	38536	76128	2.25%	0.202%
25	18.615	2617	2623	2626	rVV2	158213	287284	8.49%	0.761%
26	18.650	2626	2629	2633	rVB2	74640	98158	2.90%	0.260%
27	18.750	2642	2646	2652	rBV2	52776	76255	2.25%	0.202%
28	18.874	2662	2667	2670	rBV	130396	193413	5.72%	0.512%
29	18.909	2670	2673	2676	rVV	99899	128064	3.79%	0.339%
30	18.950	2676	2680	2691	rVB2	229381	422234	12.48%	1.119%
31	19.098	2699	2705	2719	rBV	2351707	3383433	100.00%	8.965%
32	19.321	2738	2743	2747	rBV2	78077	119199	3.52%	0.316%
33	19.456	2762	2766	2774	rBV2	95602	158888	4.70%	0.421%
34	19.580	2782	2787	2793	rVB	1994190	2637685	77.96%	6.989%
35	19.668	2799	2802	2807	rVB2	58821	83629	2.47%	0.222%
36	19.768	2815	2819	2822	rBV3	53758	76491	2.26%	0.203%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SS1

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-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.903	2837	2842	2844	rBV2	317935	450986	13.33%	1.195%
38	19.939	2844	2848	2855	rVV	1581252	2147811	63.48%	5.691%
39	20.003	2856	2859	2865	rVB3	90566	128349	3.79%	0.340%
40	20.127	2874	2880	2884	rBV2	961673	1268092	37.48%	3.360%
41	20.203	2885	2893	2897	rBV2	1287836	1632437	48.25%	4.326%
42	20.250	2897	2901	2902	rBV2	87075	117754	3.48%	0.312%
43	20.421	2926	2930	2935	rVB2	225039	319175	9.43%	0.846%
44	20.521	2943	2947	2950	rBV	122871	165733	4.90%	0.439%
45	20.615	2960	2963	2966	rVB	69430	78115	2.31%	0.207%
46	20.715	2978	2980	2983	rBV	69873	71758	2.12%	0.190%
47	21.150	3051	3054	3060	rVB	204834	273795	8.09%	0.725%
48	21.356	3085	3089	3093	rBV	358619	416777	12.32%	1.104%
49	21.444	3101	3104	3108	rVB	198290	222360	6.57%	0.589%
50	21.668	3135	3142	3145	rBV2	1615534	3097378	91.55%	8.207%
51	21.703	3145	3148	3157	rVB	886185	1205882	35.64%	3.195%
52	23.268	3411	3414	3418	rBV	215457	283708	8.39%	0.752%
53	23.321	3418	3423	3428	rBV	659236	1407102	41.59%	3.728%
54	23.833	3506	3510	3516	rVB	353156	583769	17.25%	1.547%
55	23.933	3522	3527	3535	rVB	512736	963947	28.49%	2.554%
56	24.038	3539	3545	3551	rVV	847462	1603721	47.40%	4.249%

Sum of corrected areas: 37739774

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
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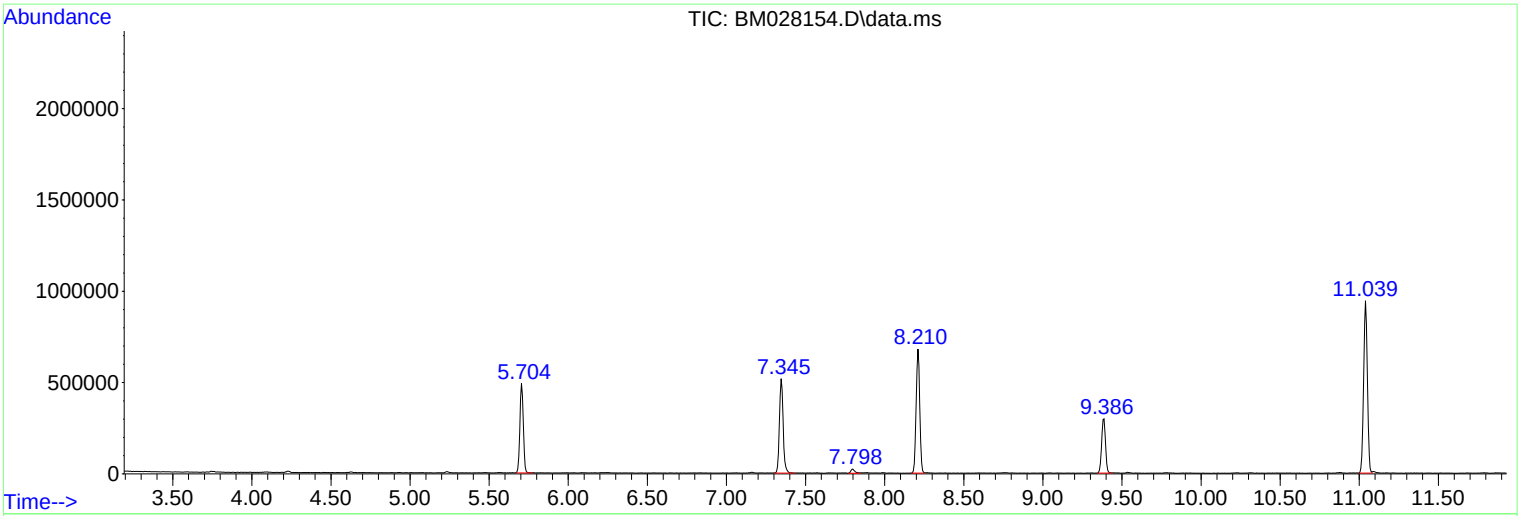
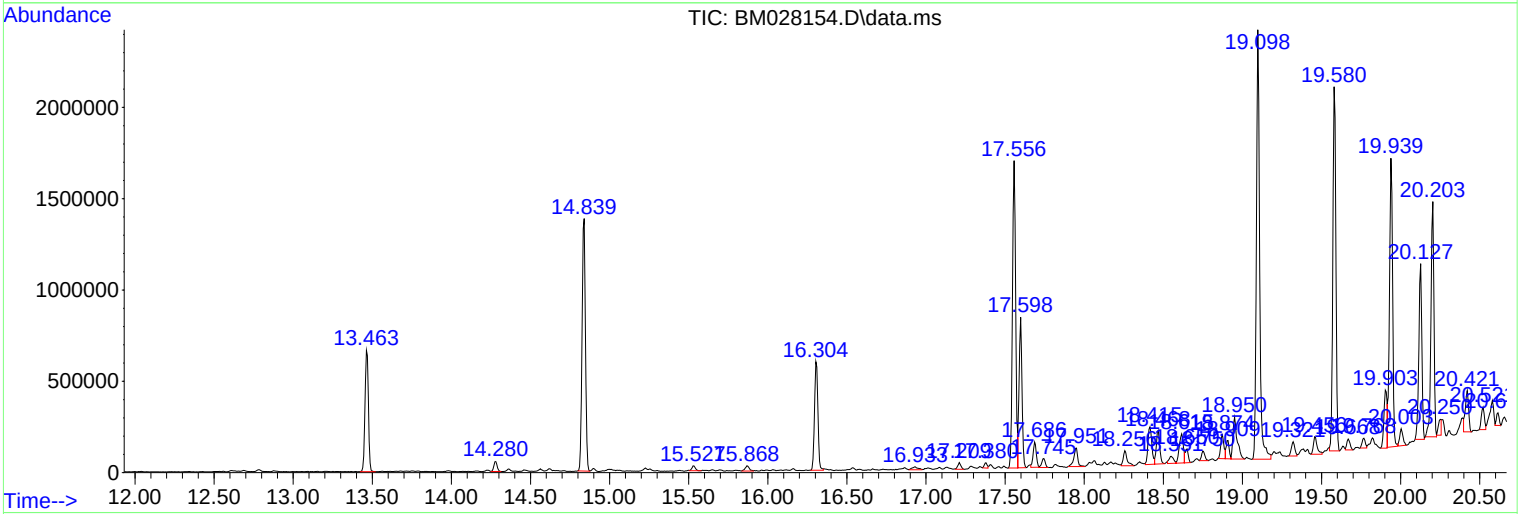
Misc :
ALS Vial : 17 Sample Multiplier: 1

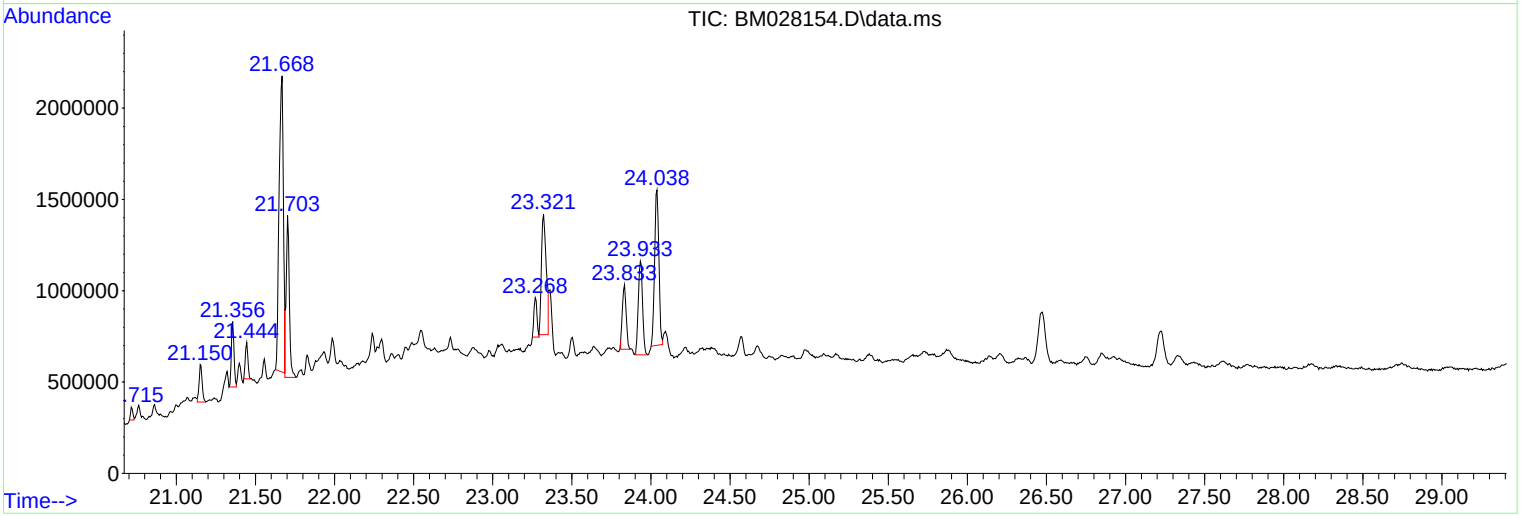
Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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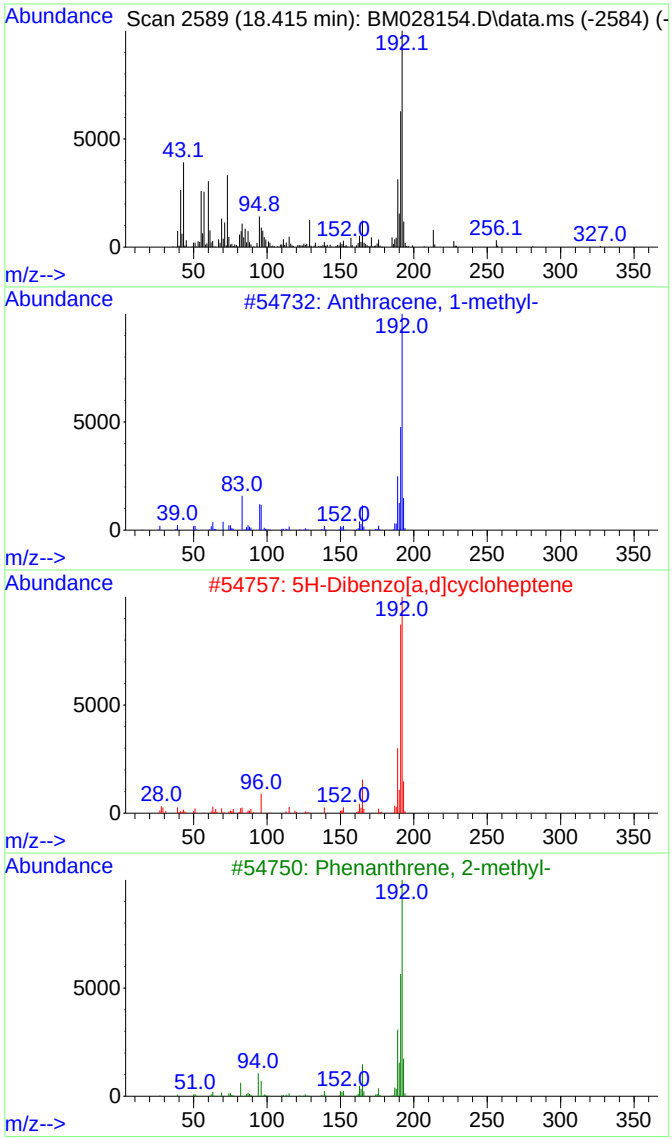
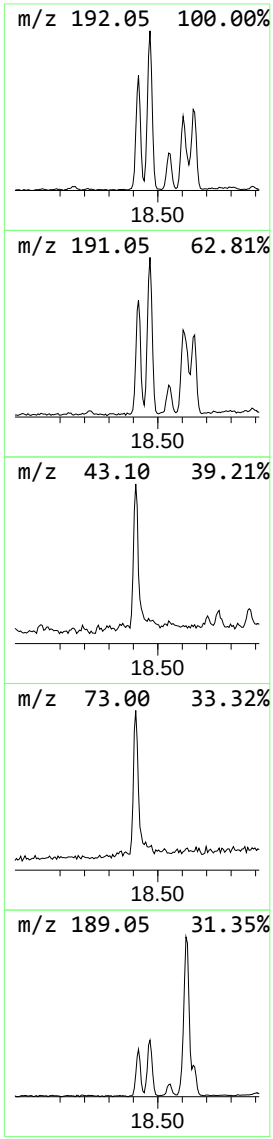
Peak Number 1 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.415	3.02 ng	356157	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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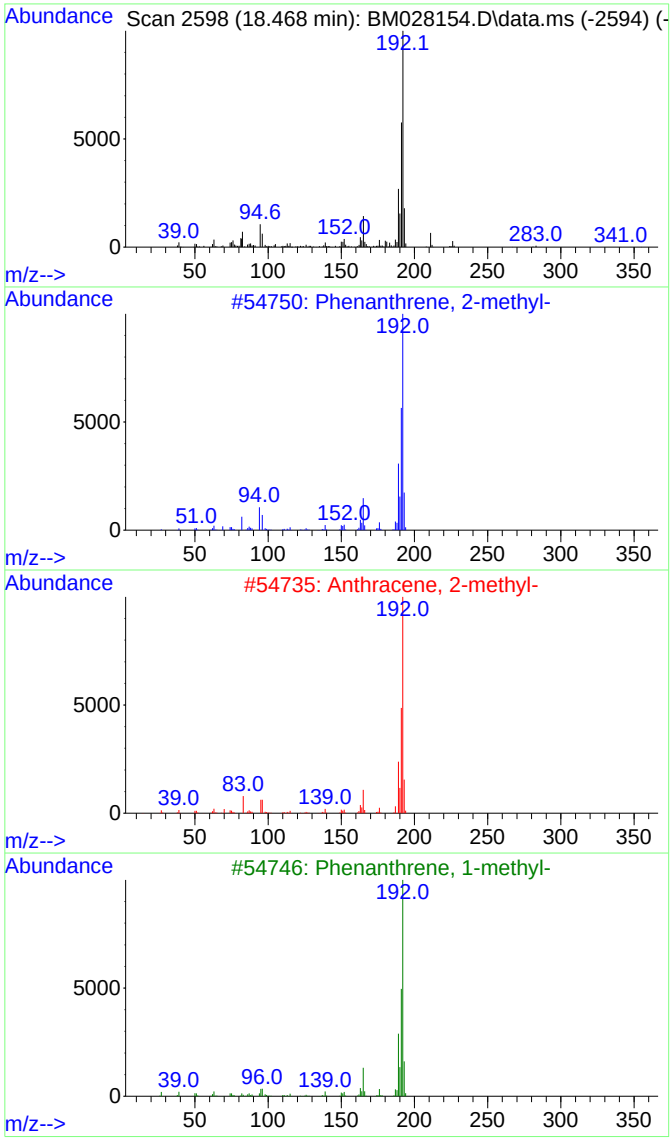
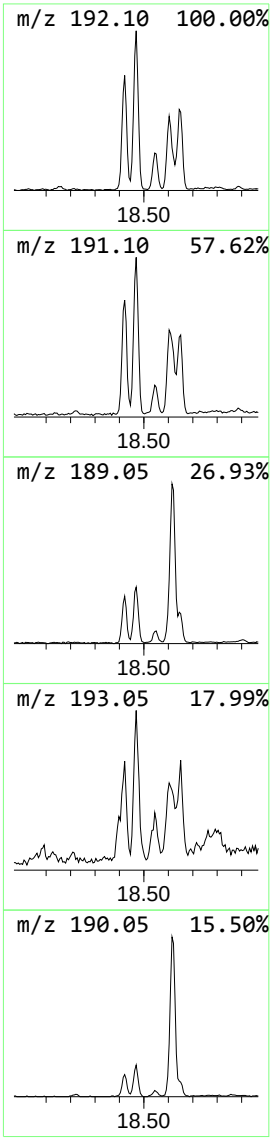
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	2.32 ng	274477	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
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	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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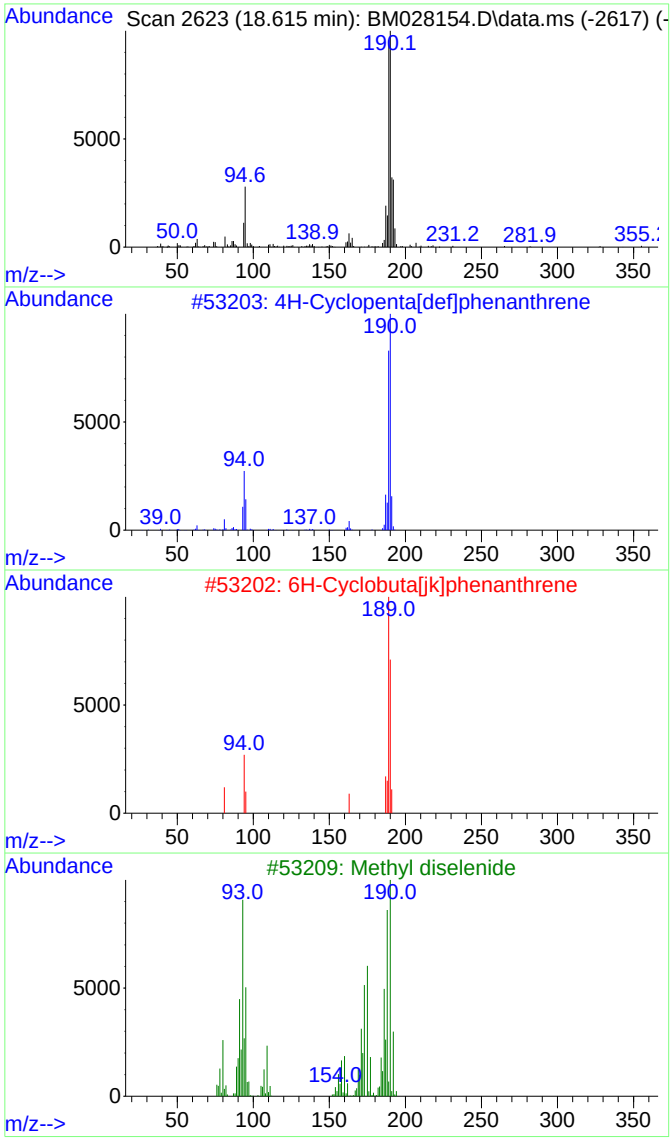
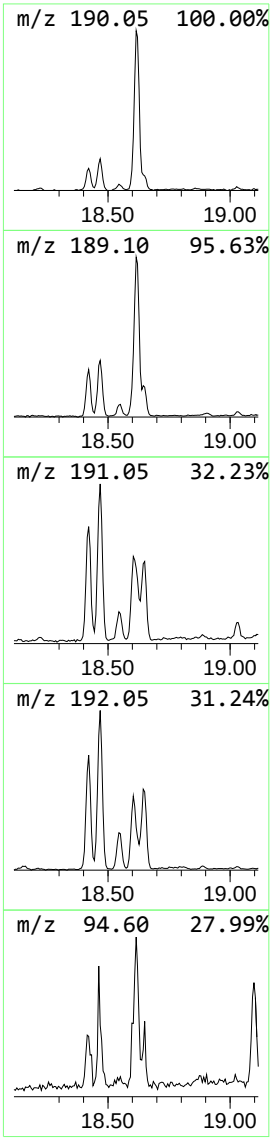
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.615	2.43 ng	287284	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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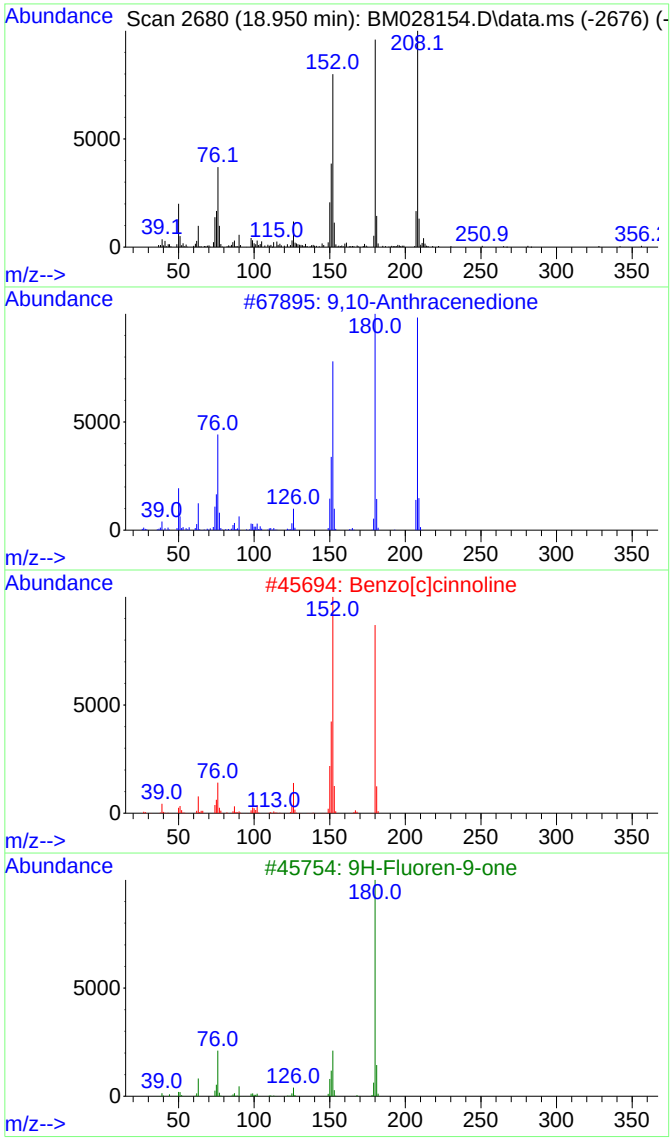
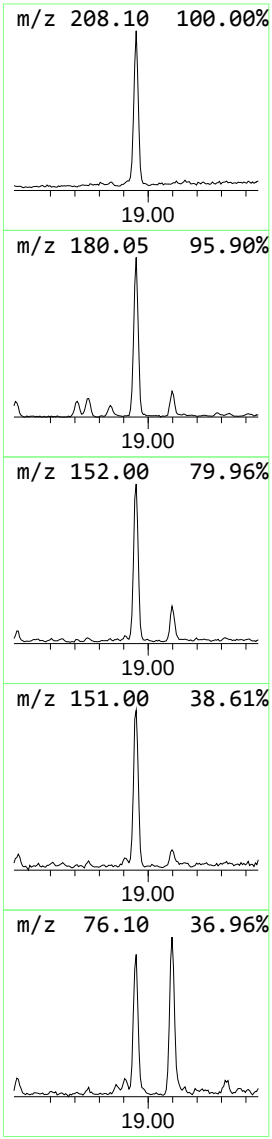
Peak Number 4 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	3.58 ng	422234	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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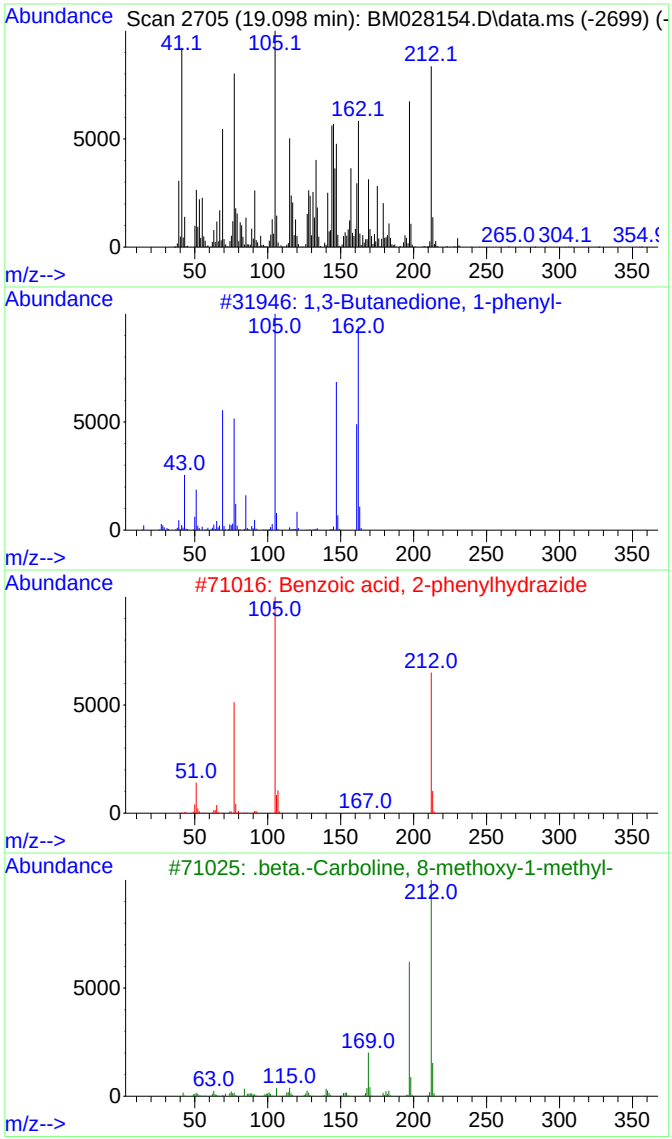
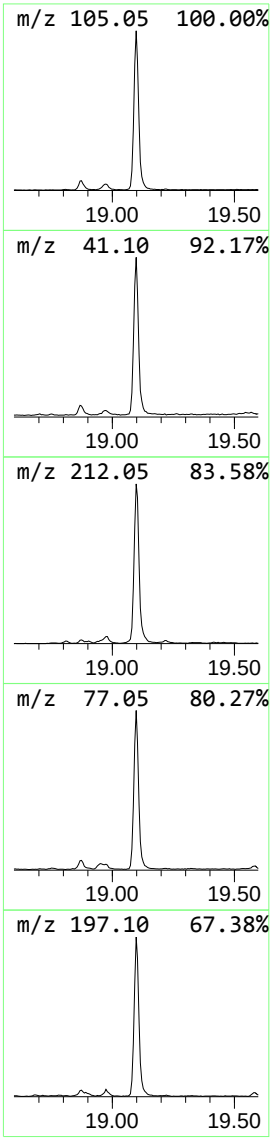
Peak Number 5 unknown19.098 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	28.66 ng	3383430	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butanedione, 1-phenyl-	162	C10H10O2	000093-91-4	38
2	Benzoic acid, 2-phenylhydrazide	212	C13H12N2O	000532-96-7	38
3	.beta.-Carboline, 8-methoxy-1-me...	212	C13H12N2O	212332-24-6	35
4	2(3H)-Phenanthrenone, 4,4a,9,10-...	212	C15H16O	006606-34-4	35
5	Benzamide, N-(4-aminophenyl)-	212	C13H12N2O	017625-83-1	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
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Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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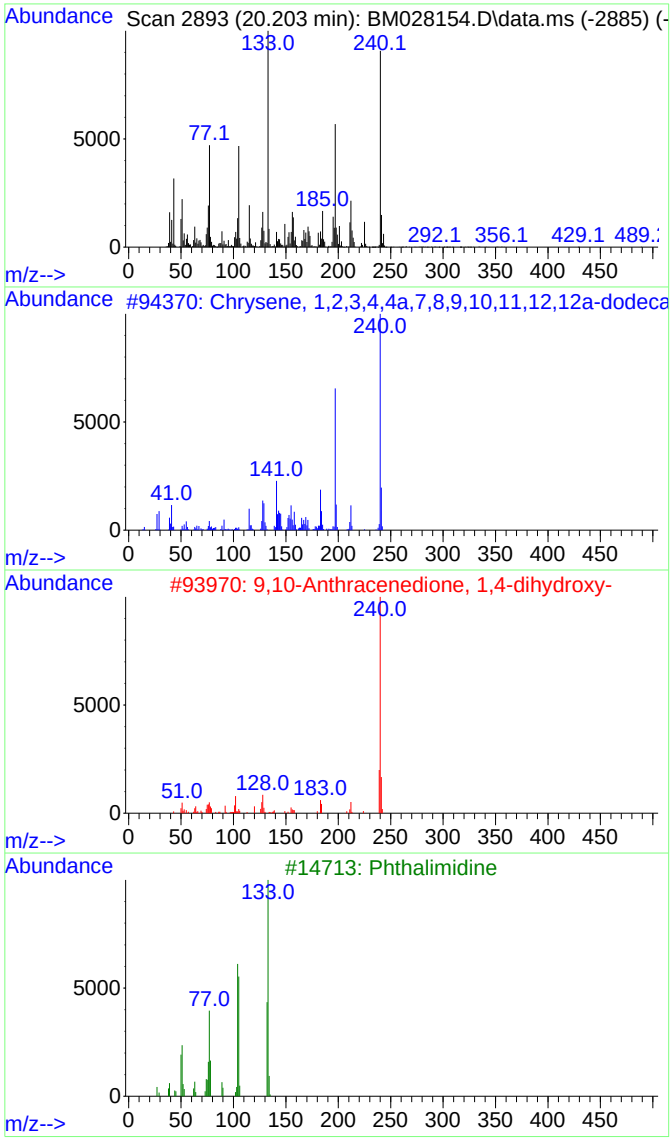
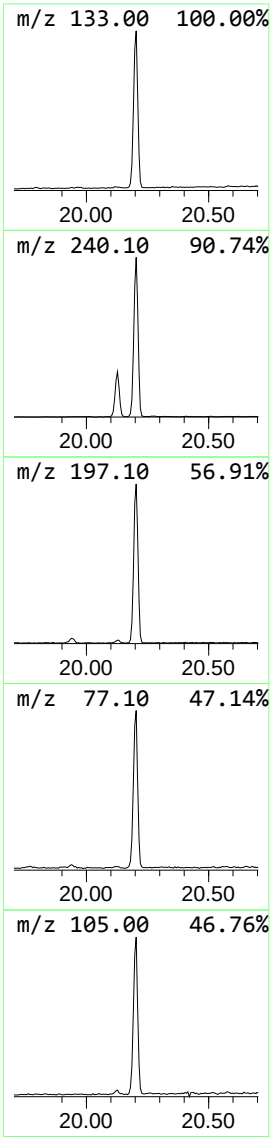
Peak Number 6 unknown20.203 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.203	10.54 ng	1632440	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1,2,3,4,4a,7,8,9,10,11...	240	C18H24	001610-22-6	38
2	9,10-Anthracenedione, 1,4-dihydr...	240	C14H8O4	000081-64-1	35
3	Phthalimidine	133	C8H7NO	000480-91-1	30
4	1,3-Diamino-7-methoxybenzo[f]qui...	240	C13H12N4O	037521-60-1	25
5	Benzamide, 4-(2-hydroxybenzylide...	240	C14H12N2O2	041077-03-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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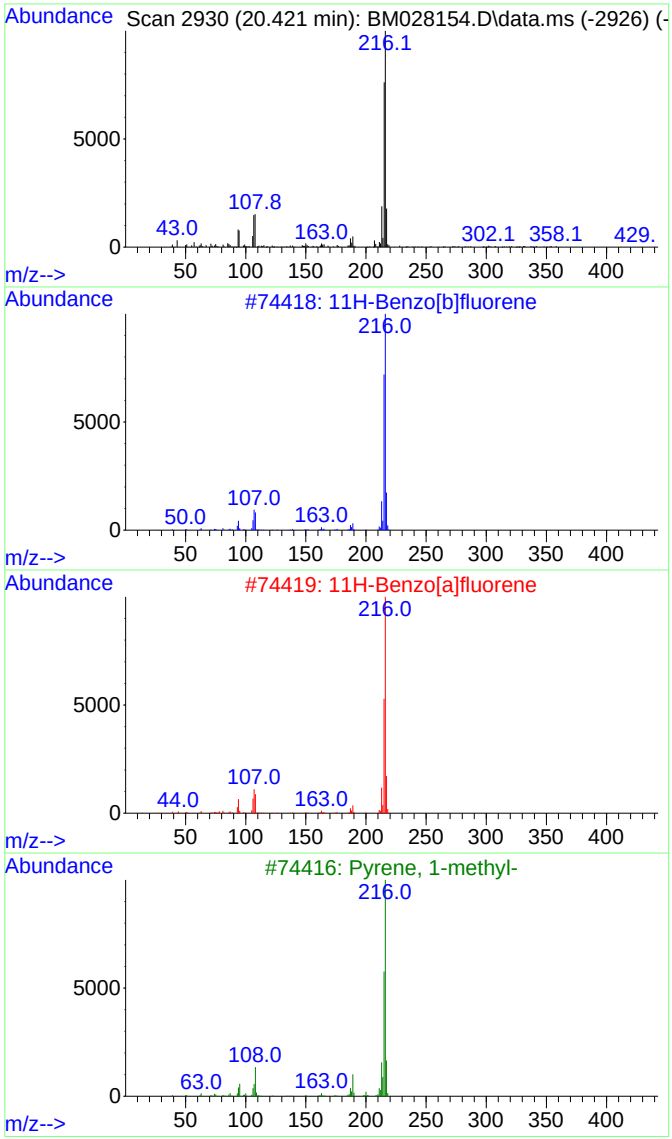
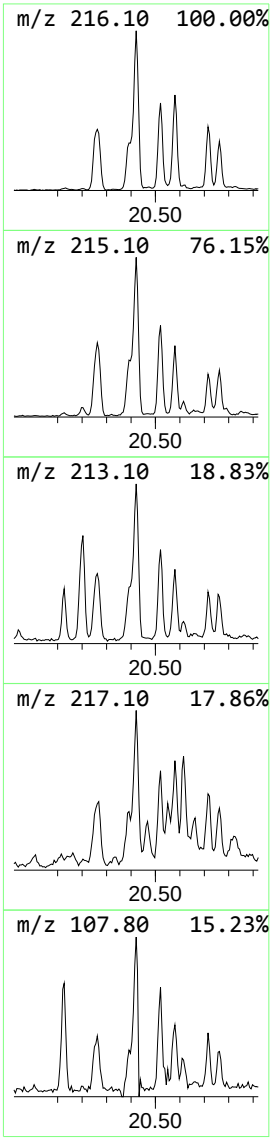
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.421	2.06 ng	319175	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

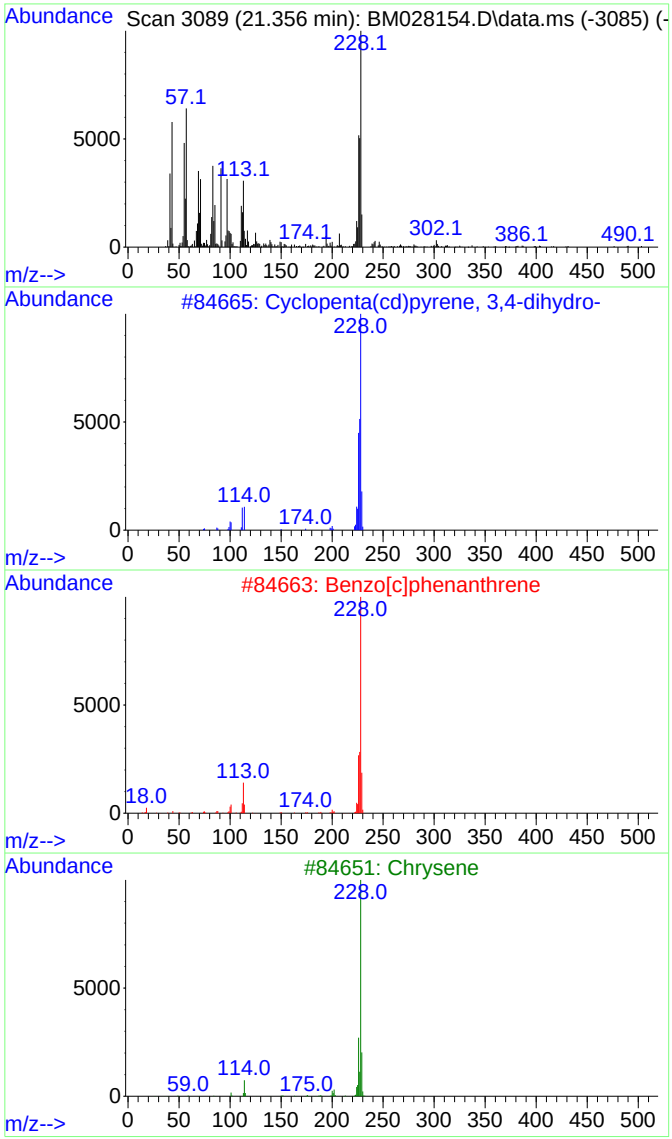
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

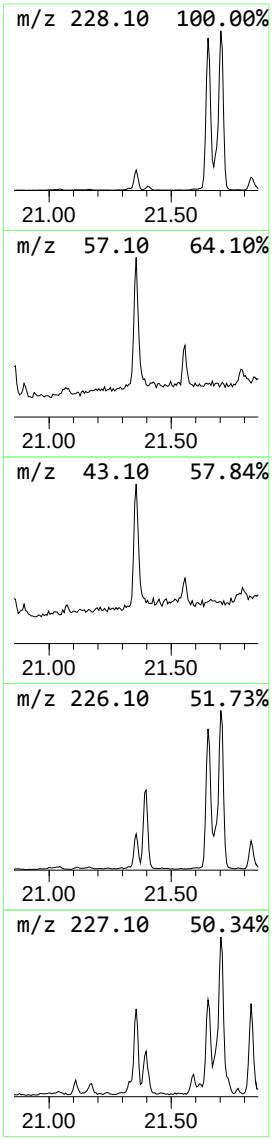
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.356	2.69 ng	416777	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
3	Chrysene	228	C18H12	000218-01-9	35
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	35
5	6,7-Dimethylthieno[2,3-b]quinoli...	228	C13H12N2S	1000306-62-3	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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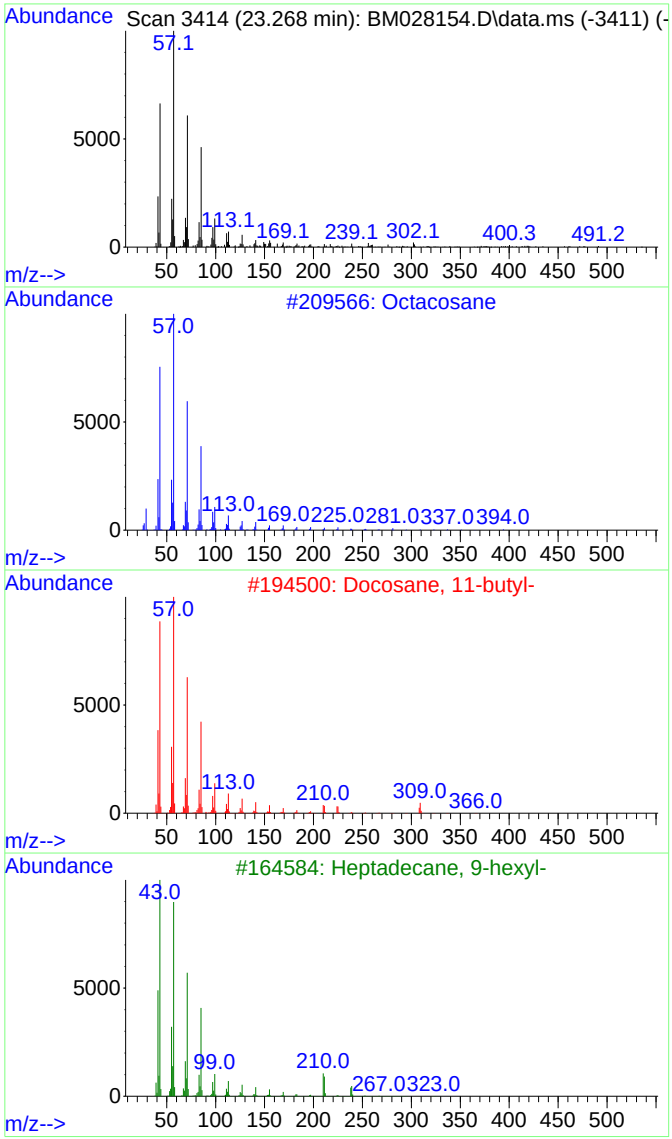
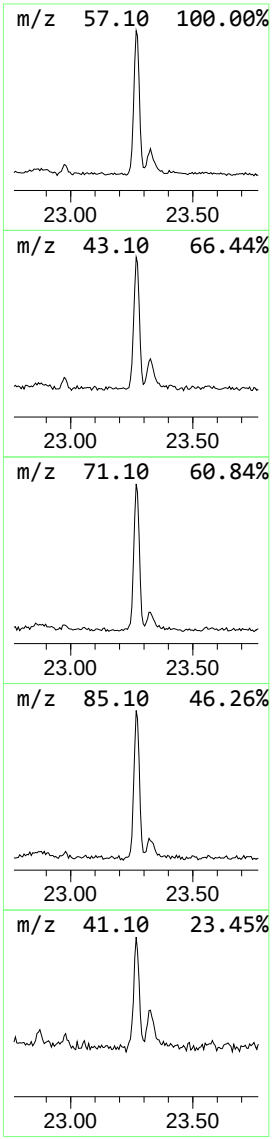
Peak Number 9 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.268	3.54 ng	283708	Perylene-d12	24.038

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	99
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4	Heptacosane	380	C27H56	000593-49-7	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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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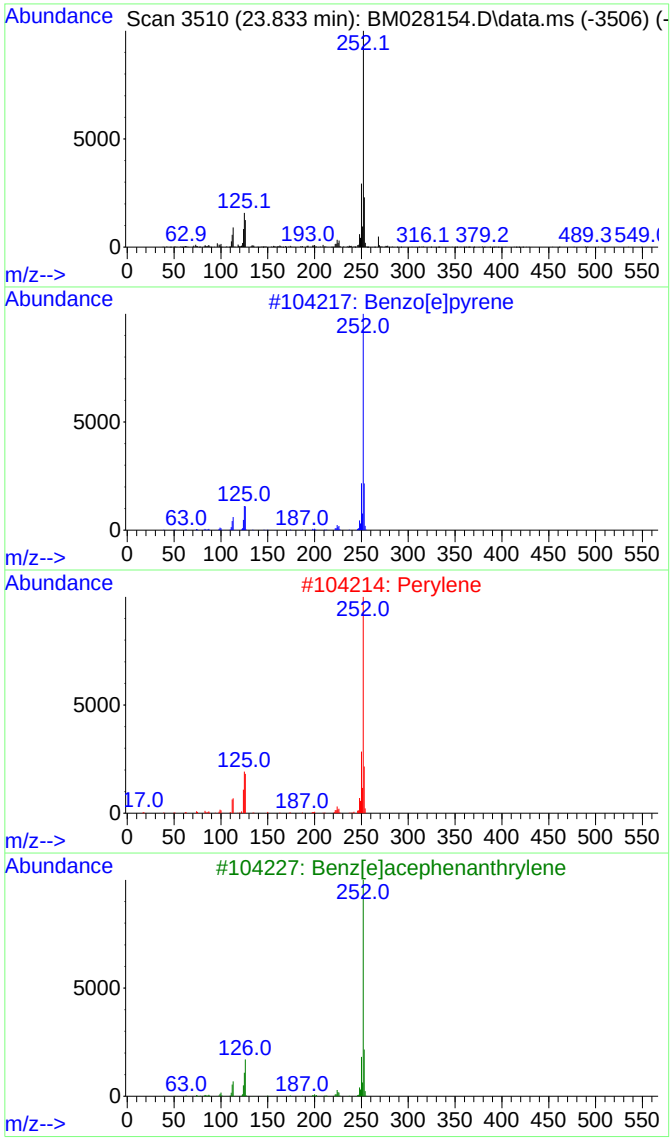
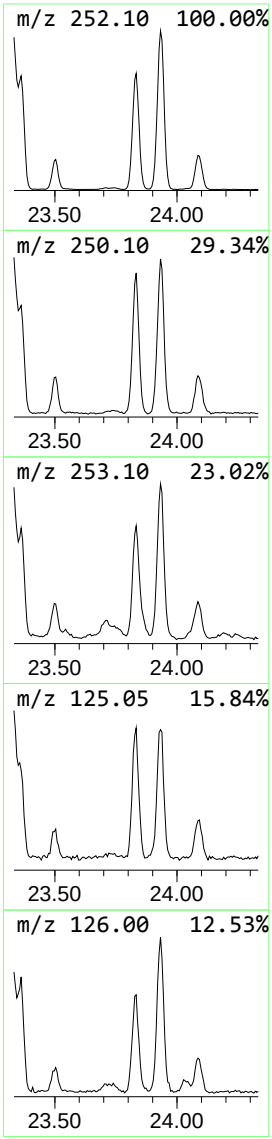
Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.833	7.28 ng	583769	Perylene-d12	24.038

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028154.D
Acq On : 17 Dec 2020 22:58
Operator : JU/CG
Sample : L5113-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SS1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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
Anthracene, 1-m...	18.415	3.0	ng	356157	4	17.557	2361290	20.0
Phenanthrene, 2...	18.468	2.3	ng	274477	4	17.557	2361290	20.0
4H-Cyclopenta[d...	18.615	2.4	ng	287284	4	17.557	2361290	20.0
9,10-Anthracene...	18.951	3.6	ng	422234	4	17.557	2361290	20.0
unknown19.098	19.098	28.7	ng	3383430	4	17.557	2361290	20.0
unknown20.203	20.203	10.5	ng	1632440	5	21.668	3097380	20.0
11H-Benzo[b]flu...	20.421	2.1	ng	319175	5	21.668	3097380	20.0
Cyclopenta(cd)p...	21.356	2.7	ng	416777	5	21.668	3097380	20.0
Octacosane	23.268	3.5	ng	283708	6	24.038	1603720	20.0
Benzo[e]pyrene	23.833	7.3	ng	583769	6	24.038	1603720	20.0