LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029654.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.216	390	396	410	rBV	820544	1213030	37.72%	3.399%
2	6.804	658	666	681	rBV	804706	1310213	40.74%	3.672%
3	7.616	798	804	813	rBV	276180	451092	14.03%	1.264%
4	8.775	994	1001	1010	rBV	497218	836540	26.01%	2.344%
5	10.398	1266	1277	1283	rBV	359828	609037	18.94%	1.707%
6	12.886	1693	1700	1714	rBV	1453356	2177963	67.73%	6.103%
7	13.727	1838	1843	1852	rVB	43420	68965	2.14%	0.193%
8	13.986	1882	1887	1892	rBV	33188	53210	1.65%	0.149%
9	14.116	1903	1909	1917	rBV5	20048	46871	1.46%	0.131%
10	14.269	1927	1935	1941	rBV	577772	864730	26.89%	2.423%
11	14.333	1941	1946	1954	rVB	55399	88760	2.76%	0.249%
12	14.669	1998	2003	2011	rVB2	28948	50084	1.56%	0.140%
13	15.316	2108	2113	2119	rBV2	44365	69385	2.16%	0.194%
14	15.757	2181	2188	2197	rBV	1217399	1776331	55.24%	4.978%
15	15.998	2224	2229	2231	rBV3	27685	37733	1.17%	0.106%
16	16.668	2339	2343	2349	rVB2	24876	41832	1.30%	0.117%
17	16.751	2353	2357	2361	rBV4	20355	40507	1.26%	0.114%
18	16.833	2367	2371	2379	rVB2	41224	79656	2.48%	0.223%
19	17.010	2396	2401	2405	rBV	701960	1043457	32.45%	2.924%
20	17.057	2405	2409	2415	rVV	683841	963575	29.96%	2.700%
21	17.145	2419	2424	2429	rVV	167468	250870	7.80%	0.703%
22	17.204	2430	2434	2439	rVB3	25128	38589	1.20%	0.108%
23	17.415	2467	2470	2482	rVB	44116	77741	2.42%	0.218%
24	17.527	2486	2489	2494	rVB2	28172	39773	1.24%	0.111%
25	17.886	2546	2550	2552	rBV	104791	125303	3.90%	0.351%
26	17.921	2552	2556	2567	rVV2	284045	549675	17.09%	1.540%
27	18.015	2568	2572	2577	rVV	65666	104954	3.26%	0.294%
28	18.080	2577	2583	2587	rVV2	172256	330311	10.27%	0.926%
29	18.115	2587	2589	2596	rVB	87163	108465	3.37%	0.304%
30	18.392	2632	2636	2639	rBV	75737	91773	2.85%	0.257%
31	18.433	2640	2643	2648	rVB	56179	71017	2.21%	0.199%
32	18.639	2675	2678	2682	rVB2	35947	43080	1.34%	0.121%
33	18.809	2703	2707	2711	rBV	81578	134260	4.17%	0.376%
34	18.951	2727	2731	2739	rVB3	74367	129093	4.01%	0.362%
35	19.074	2746	2752	2759	rBV	1742554	2246310	69.85%	6.295%
36	19.204	2771	2774	2781	rBV2	82023	141254	4.39%	0.396%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.439	2804	2814	2822	rBV	1576268	2575974	80.10%	7.219%
38	19.509	2823	2826	2833	rVB2	70057	122660	3.81%	0.344%
39	19.645	2844	2849	2854	rBV	2748964	3215864	100.00%	9.012%
40	19.762	2865	2869	2874	rBV2	84511	190452	5.92%	0.534%
41	19.933	2895	2898	2902	rVB	193655	244564	7.60%	0.685%
42	20.033	2912	2915	2918	rBV2	127335	138479	4.31%	0.388%
43	20.092	2922	2925	2929	rVB2	129851	177857	5.53%	0.498%
44	20.886	3057	3060	3062	rBV	139730	161455	5.02%	0.452%
45	20.921	3062	3066	3071	rVV2	480510	648596	20.17%	1.818%
46	21.121	3097	3100	3103	rBV	372229	396976	12.34%	1.112%
47	21.192	3106	3112	3116	rVV2	1498763	2954467	91.87%	8.279%
48	21.233	3116	3119	3129	rVB	874997	1212961	37.72%	3.399%
49	22.739	3370	3375	3379	rBV	754745	1491653	46.38%	4.180%
50	23.203	3450	3454	3460	rVB	516367	907891	28.23%	2.544%
51	23.291	3464	3469	3477	rVB	788633	1467225	45.62%	4.112%
52	23.391	3481	3486	3490	rVV	653008	1066532	33.16%	2.989%
53	25.585	3852	3859	3871	rVB2	891735	2405796	74.81%	6.742%

Sum of corrected areas: 35684841

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
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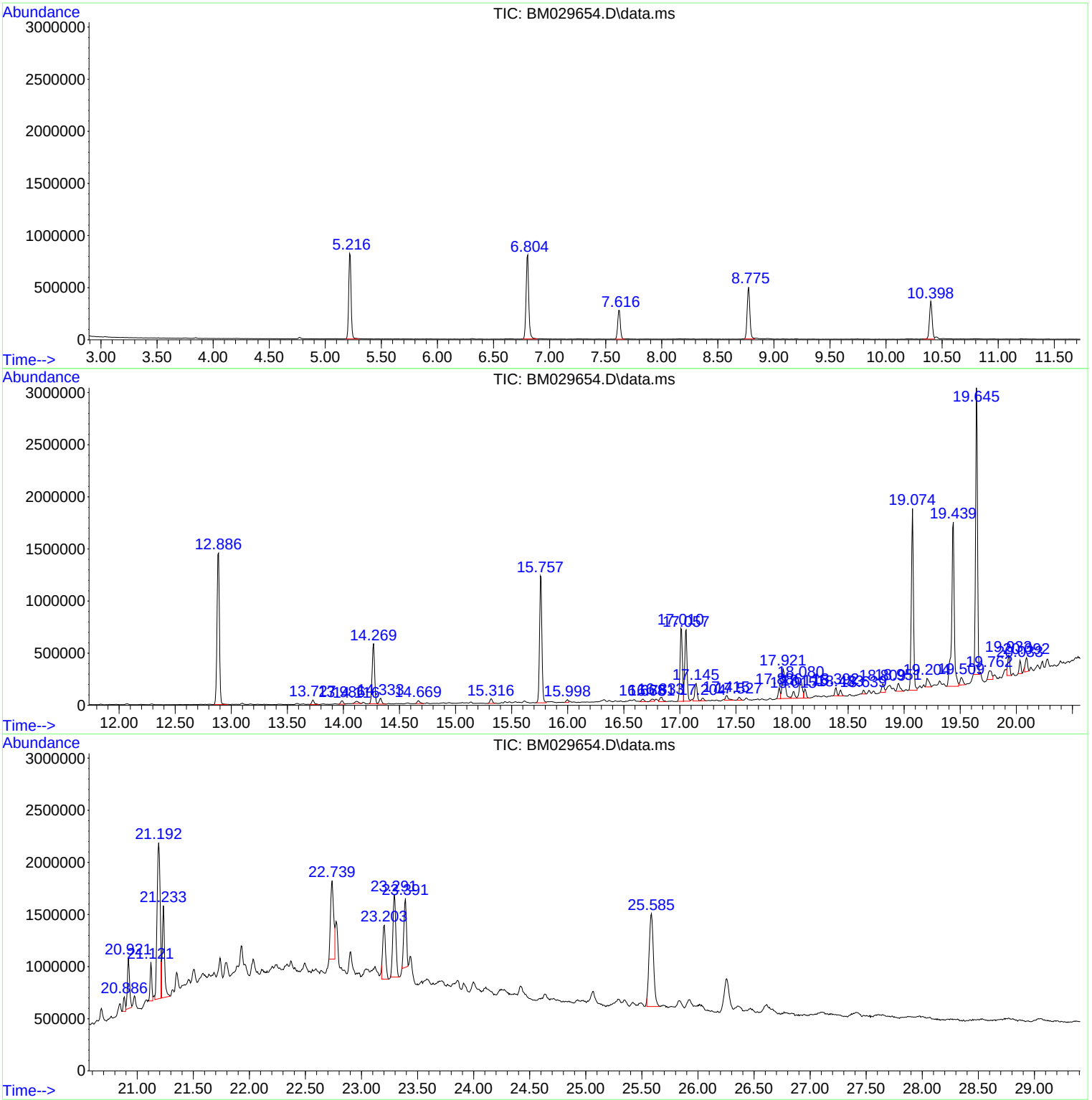
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

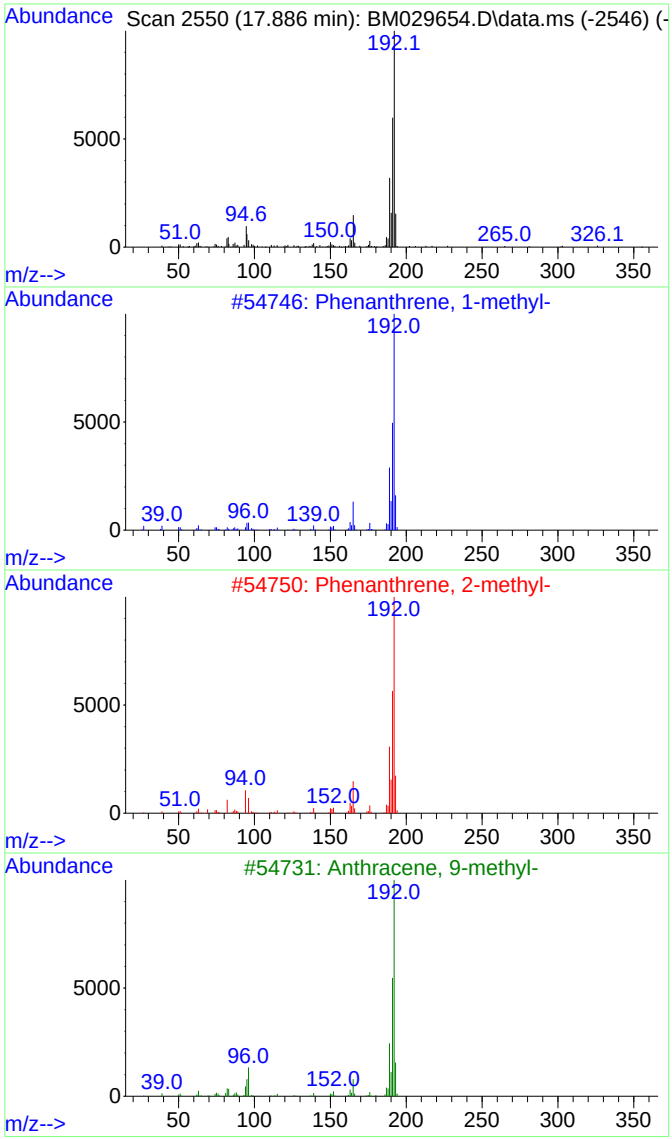
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

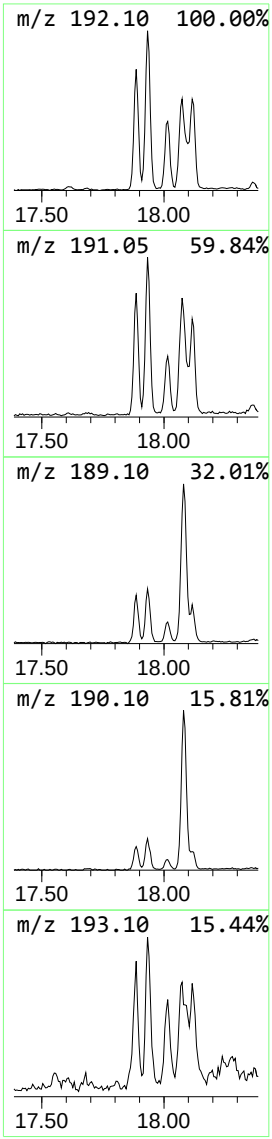
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	2.40 ng	125303	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

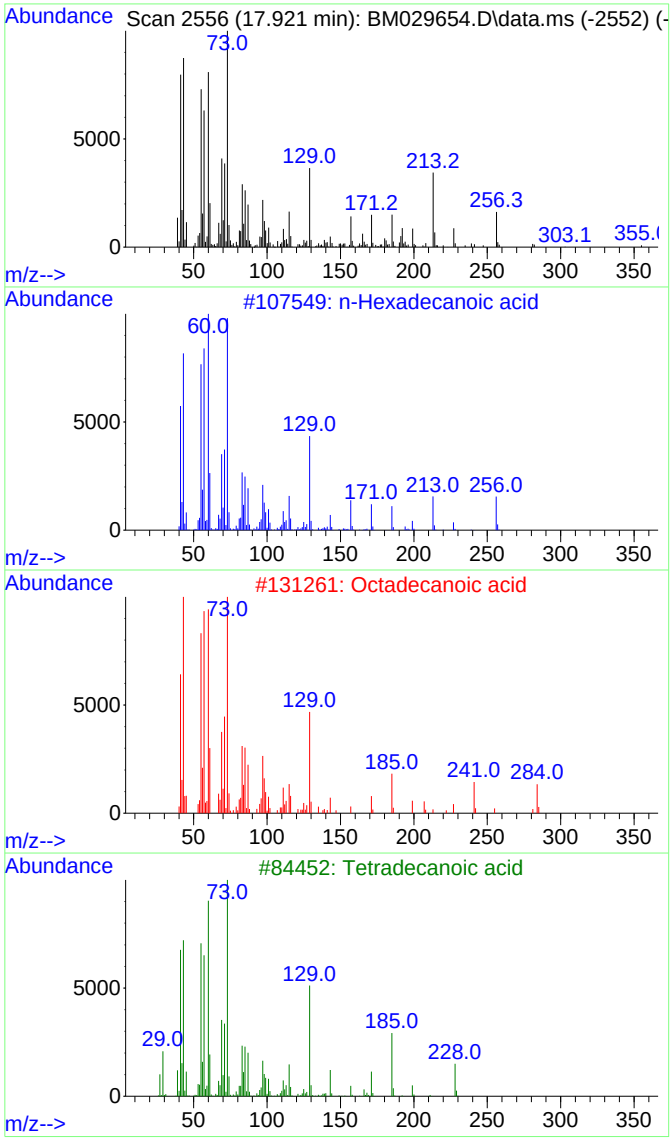
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

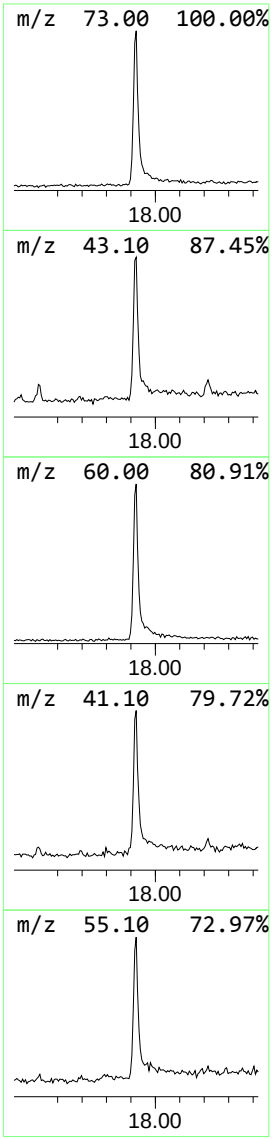
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.921	10.54 ng	549675	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

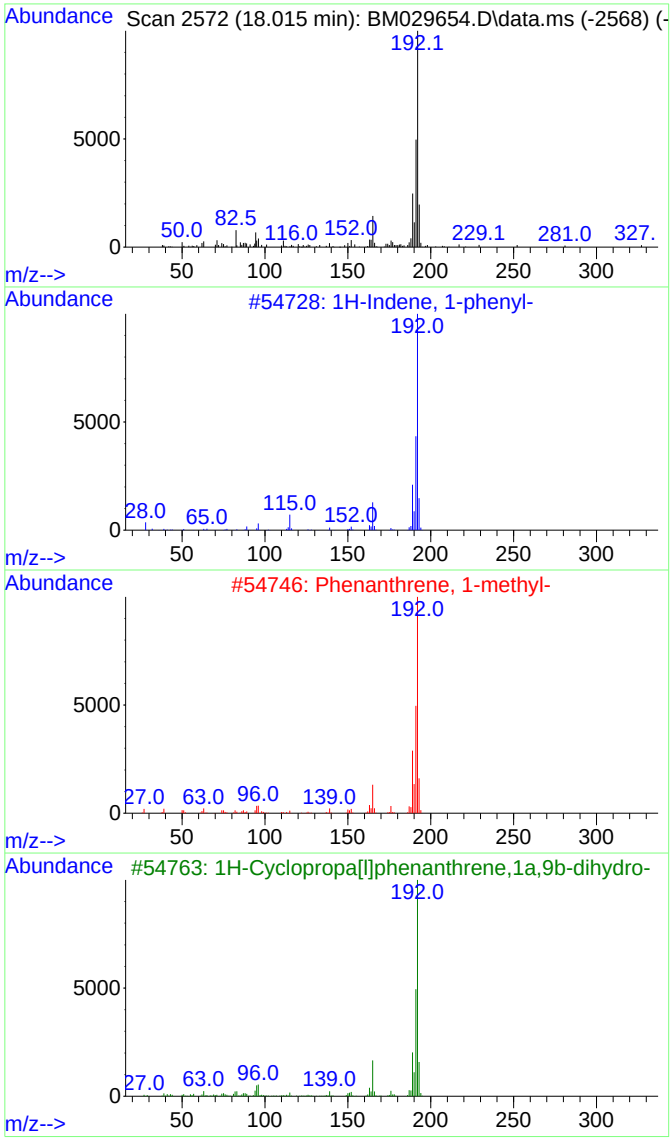
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

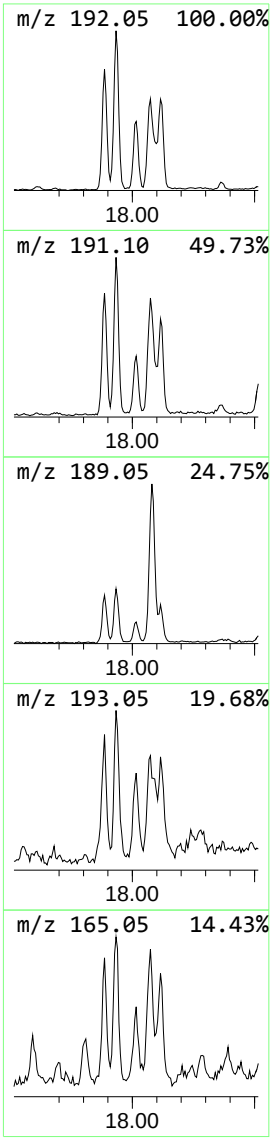
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Indene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	2.01 ng	104954	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

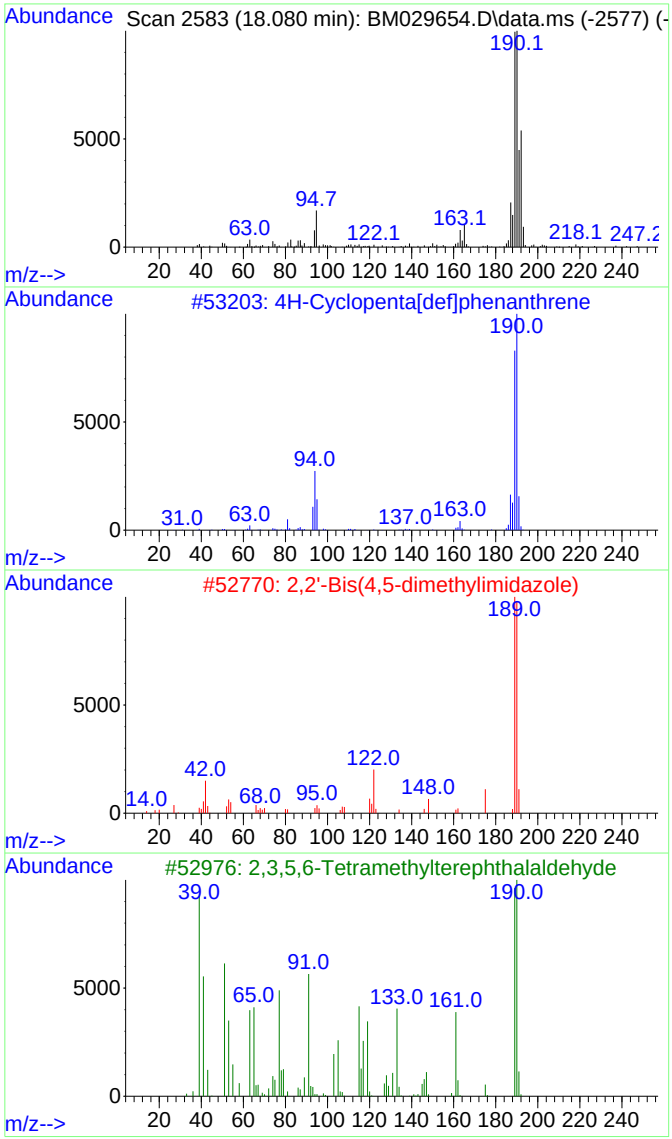
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

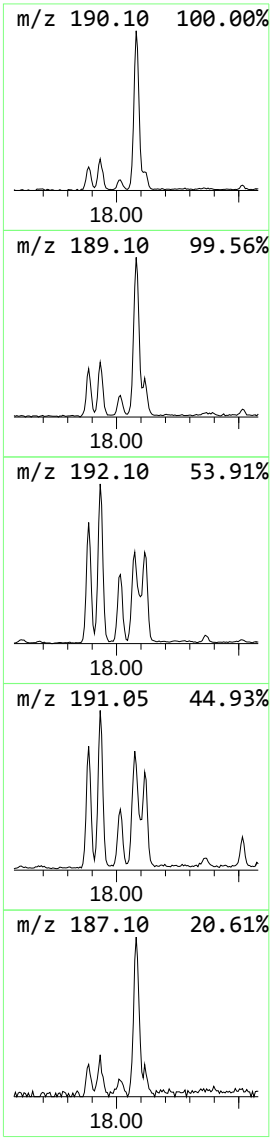
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	6.33 ng	330311	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	46
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

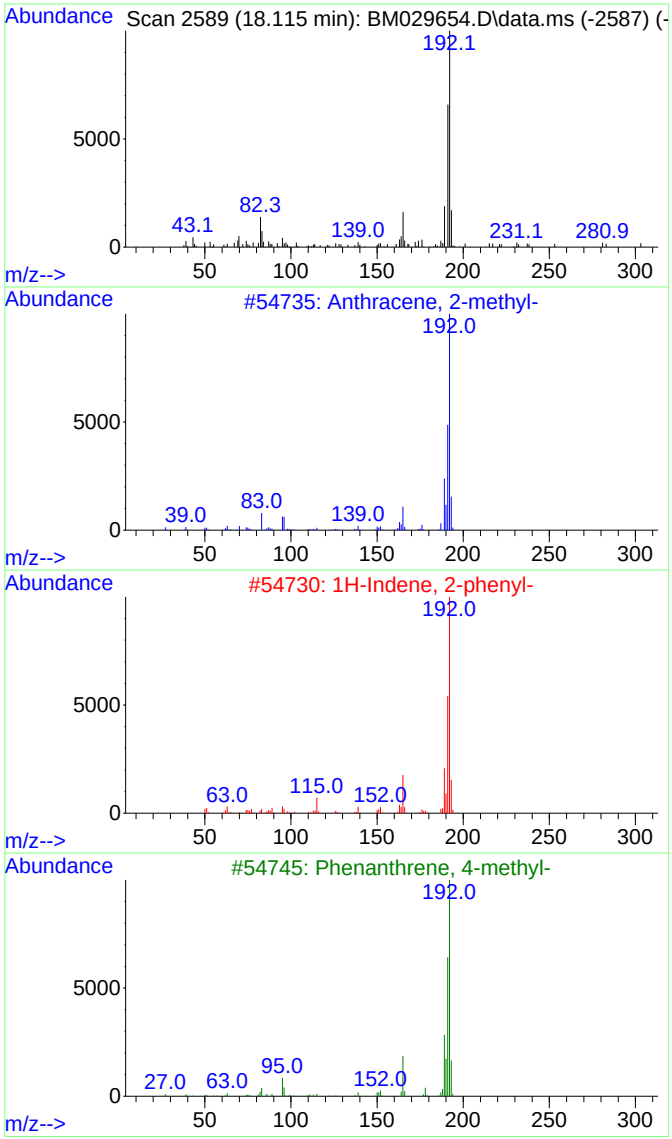
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

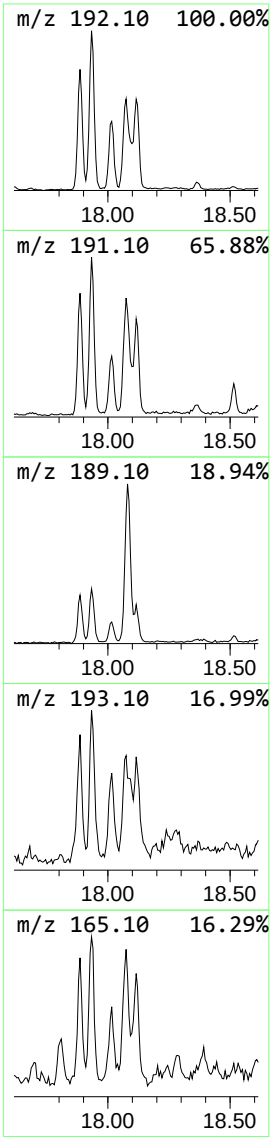
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.115	2.08 ng	108465	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

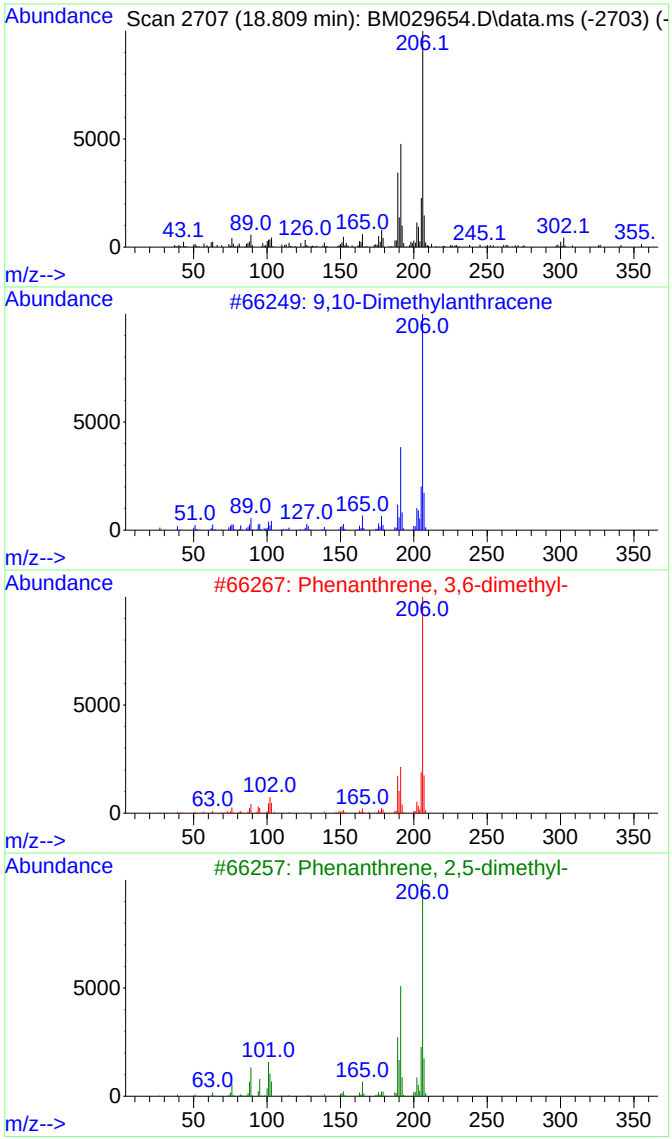
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

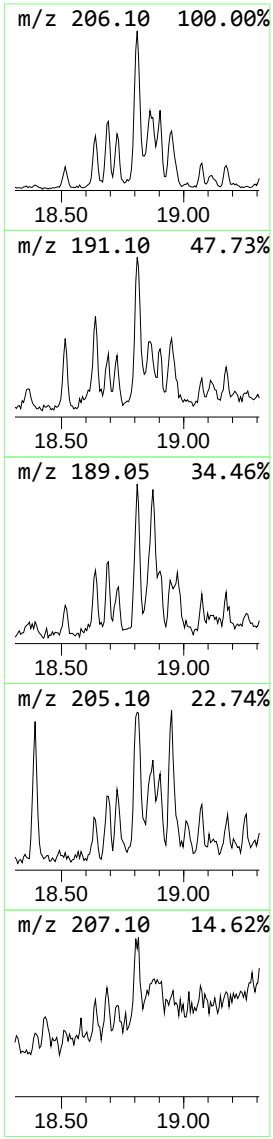
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.809	2.57 ng	134260	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

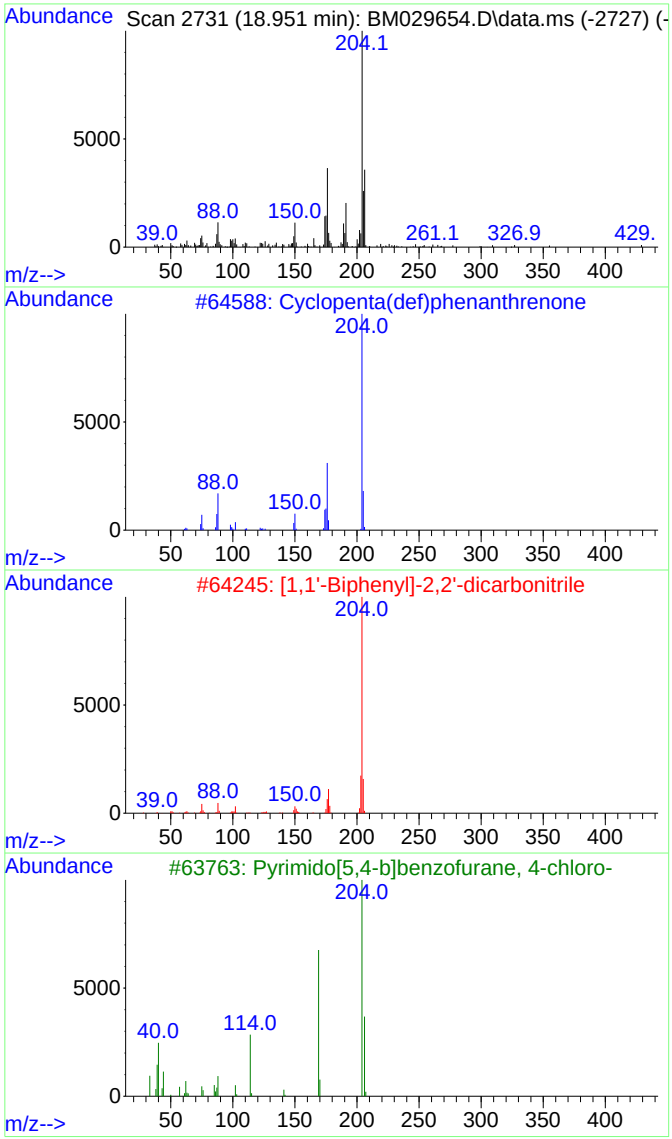
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

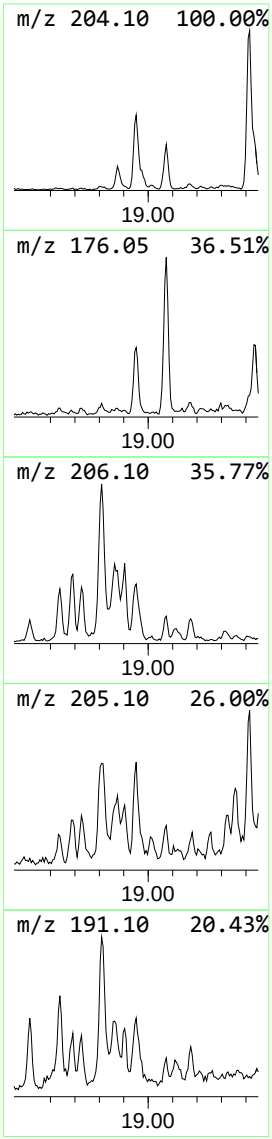
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	2.47 ng	129093	Phenanthrene-d10	17.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

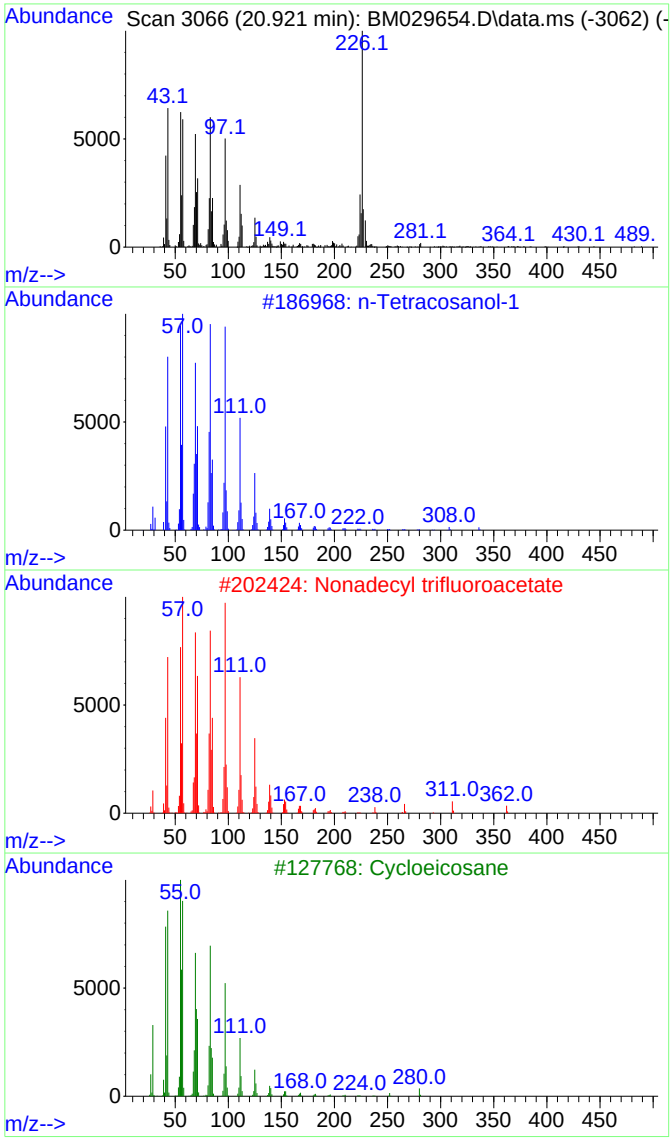
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

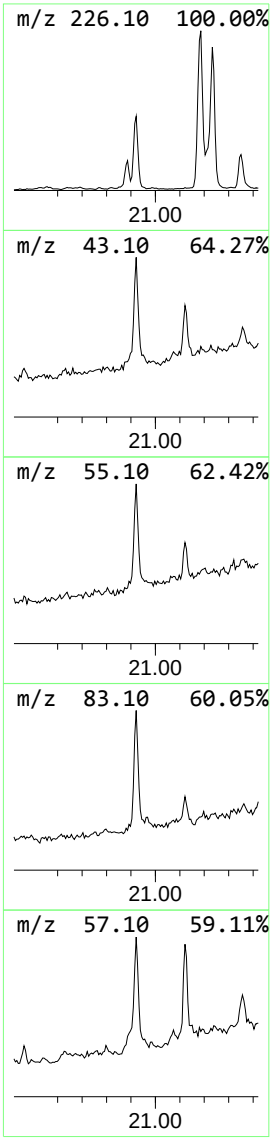
****

Peak Number 9 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.921	4.39 ng	648596	Chrysene-d12	21.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	52
2	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	52
3	Cycloeicosane	280	C20H40	000296-56-0	50
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	50
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

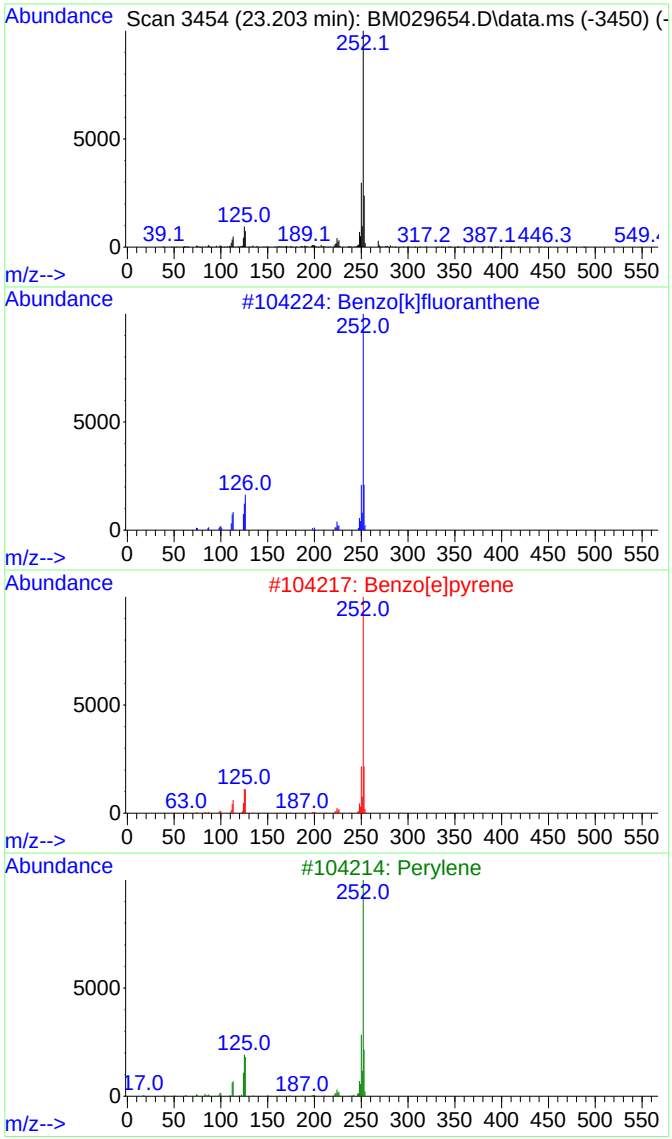
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

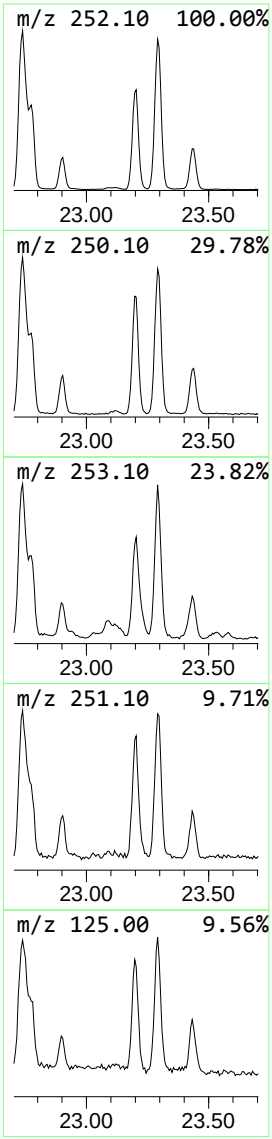
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.203	17.03 ng	907891	Perylene-d12	23.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
Data File : BM029654.D
Acq On : 26 Apr 2021 17:49
Operator : CG/JU
Sample : M2170-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BN-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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, 1...	17.886	2.4	ng	125303	4	17.010	1043460	20.0
n-Hexadecanoic ...	17.921	10.5	ng	549675	4	17.010	1043460	20.0
1H-Indene, 1-ph...	18.015	2.0	ng	104954	4	17.010	1043460	20.0
4H-Cyclopenta[d...	18.080	6.3	ng	330311	4	17.010	1043460	20.0
Anthracene, 2-m...	18.115	2.1	ng	108465	4	17.010	1043460	20.0
9,10-Dimethylan...	18.809	2.6	ng	134260	4	17.010	1043460	20.0
Cyclopenta(def)...	18.951	2.5	ng	129093	4	17.010	1043460	20.0
n-Tetracosanol-1	20.921	4.4	ng	648596	5	21.198	2954470	20.0
Benzo[e]pyrene	23.203	17.0	ng	907891	6	23.392	1066530	20.0