LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-01-042921

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-BM043021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029730.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.193	386	392	401	rBV	389380	563415	30.05%	3.393%
2	5.604	456	462	469	rBV	13903	29437	1.57%	0.177%
3	6.775	650	661	674	rBV	367120	593291	31.65%	3.573%
4	7.245	733	741	752	rBV3	14161	36304	1.94%	0.219%
5	7.592	790	800	809	rBV	244895	397590	21.21%	2.394%
6	7.957	857	862	870	rBV	20424	30805	1.64%	0.186%
7	8.128	885	891	897	rBV	14599	29207	1.56%	0.176%
8	8.745	989	996	1006	rBV	224811	379957	20.27%	2.288%
9	10.369	1264	1272	1278	rBV	299259	517302	27.59%	3.115%
10	10.416	1278	1280	1288	rVB	19657	27641	1.47%	0.166%
11	12.851	1688	1694	1704	rBV	745177	1095894	58.46%	6.600%
12	13.698	1833	1838	1848	rVB2	31247	56160	3.00%	0.338%
13	13.957	1876	1882	1890	rBV	44429	72249	3.85%	0.435%
14	14.239	1924	1930	1938	rBV	504830	751378	40.08%	4.525%
15	15.110	2073	2078	2086	rVB2	13871	20514	1.09%	0.124%
16	15.292	2104	2109	2123	rVB5	12079	30951	1.65%	0.186%
17	15.510	2140	2146	2150	rBV6	9223	21402	1.14%	0.129%
18	15.727	2175	2183	2192	rBV	608223	895405	47.76%	5.393%
19	15.962	2220	2223	2231	rBV8	13662	25041	1.34%	0.151%
20	16.292	2272	2279	2284	rBV6	12330	30380	1.62%	0.183%
21	16.804	2362	2366	2376	rVB6	11070	23982	1.28%	0.144%
22	16.980	2390	2396	2401	rBV	634788	922865	49.23%	5.558%
23	17.021	2401	2403	2409	rVV	96181	121655	6.49%	0.733%
24	17.115	2411	2419	2424	rVV	70568	113788	6.07%	0.685%
25	17.174	2425	2429	2435	rVB7	13670	26425	1.41%	0.159%
26	17.504	2481	2485	2488	rVB4	13791	20253	1.08%	0.122%
27	17.562	2488	2495	2499	rBV	16726	29397	1.57%	0.177%
28	17.856	2540	2545	2547	rBV	48310	68430	3.65%	0.412%
29	17.892	2547	2551	2560	rVV2	120550	244110	13.02%	1.470%
30	17.986	2562	2567	2572	rVV	43528	67625	3.61%	0.407%
31	18.045	2572	2577	2582	rVV3	80371	168800	9.00%	1.017%
32	18.086	2582	2584	2592	rVB	52519	66857	3.57%	0.403%
33	18.174	2594	2599	2604	rBV7	22925	47168	2.52%	0.284%
34	18.256	2610	2613	2618	rVB	18906	23551	1.26%	0.142%
35	18.356	2627	2630	2634	rBV2	22157	28358	1.51%	0.171%
36	18.409	2634	2639	2643	rVB3	15602	32717	1.75%	0.197%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-01-042921

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-BM043021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.580	2664	2668	2670	rBV2	19512	27093	1.45%	0.163%
38	18.609	2670	2673	2677	rVV	27997	42272	2.25%	0.255%
39	18.656	2677	2681	2685	rVV2	43150	72760	3.88%	0.438%
40	18.698	2685	2688	2692	rVB	28568	39029	2.08%	0.235%
41	18.780	2697	2702	2706	rBV	98603	162092	8.65%	0.976%
42	18.839	2707	2712	2716	rVV3	61831	123481	6.59%	0.744%
43	18.874	2716	2718	2721	rVB	39418	37179	1.98%	0.224%
44	18.921	2721	2726	2732	rBV4	45766	98296	5.24%	0.592%
45	19.045	2741	2747	2751	rBV	255714	358673	19.13%	2.160%
46	19.109	2754	2758	2761	rVV2	31852	45363	2.42%	0.273%
47	19.145	2761	2764	2766	rVV3	24035	31623	1.69%	0.190%
48	19.192	2767	2772	2776	rVB3	36688	81441	4.34%	0.490%
49	19.286	2785	2788	2791	rBV2	22688	31112	1.66%	0.187%
50	19.403	2800	2808	2818	rBV	347535	586490	31.28%	3.532%
51	19.492	2818	2823	2828	rVB3	46947	74967	4.00%	0.451%
52	19.615	2839	2844	2855	rVB	1495880	1874763	100.00%	11.291%
53	19.733	2860	2864	2875	rBV5	68619	175280	9.35%	1.056%
54	19.821	2876	2879	2882	rBV4	25499	33186	1.77%	0.200%
55	19.868	2883	2887	2889	rBV3	60328	91456	4.88%	0.551%
56	19.903	2890	2893	2897	rVB	101299	146063	7.79%	0.880%
57	20.003	2907	2910	2914	rVB	54687	60152	3.21%	0.362%
58	20.062	2915	2920	2925	rBV	116109	160239	8.55%	0.965%
59	20.197	2939	2943	2947	rBV	106128	138840	7.41%	0.836%
60	20.245	2948	2951	2956	rVB	90926	116526	6.22%	0.702%
61	20.650	3018	3020	3027	rVB2	69267	98846	5.27%	0.595%
62	20.850	3052	3054	3057	rVB	48722	47241	2.52%	0.285%
63	20.897	3058	3062	3066	rBV3	133679	201753	10.76%	1.215%
64	21.168	3101	3108	3112	rBV2	1042169	1687779	90.03%	10.165%
65	21.203	3112	3114	3122	rVB	255078	324255	17.30%	1.953%
66	21.709	3197	3200	3204	rVB	122419	145023	7.74%	0.873%
67	22.691	3363	3367	3372	rBV2	181183	364443	19.44%	2.195%
68	23.244	3457	3461	3469	rVB	206465	359405	19.17%	2.165%
69	23.338	3472	3477	3483	rVV2	655151	1157089	61.72%	6.969%

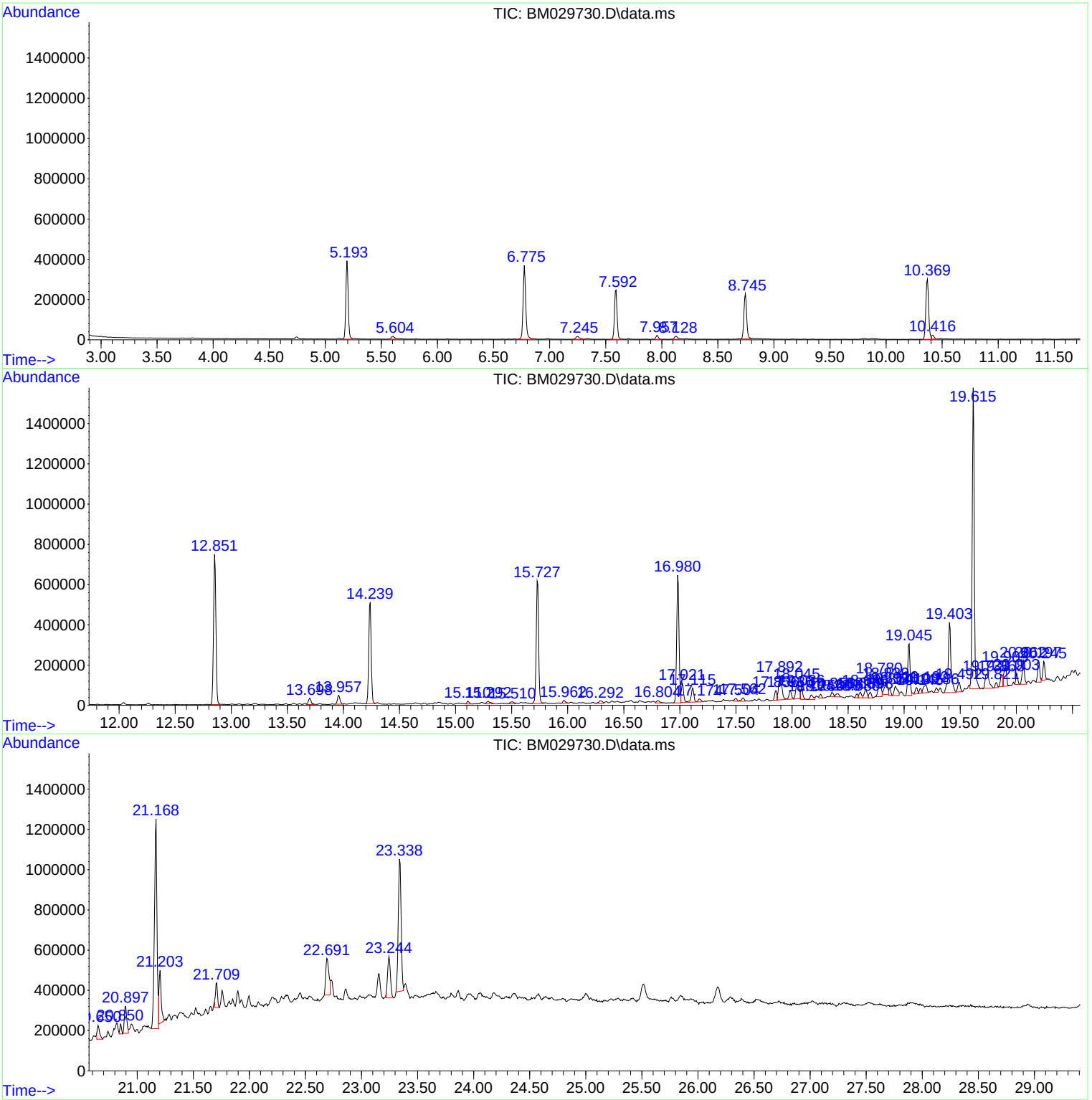
Sum of corrected areas: 16604514

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.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\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

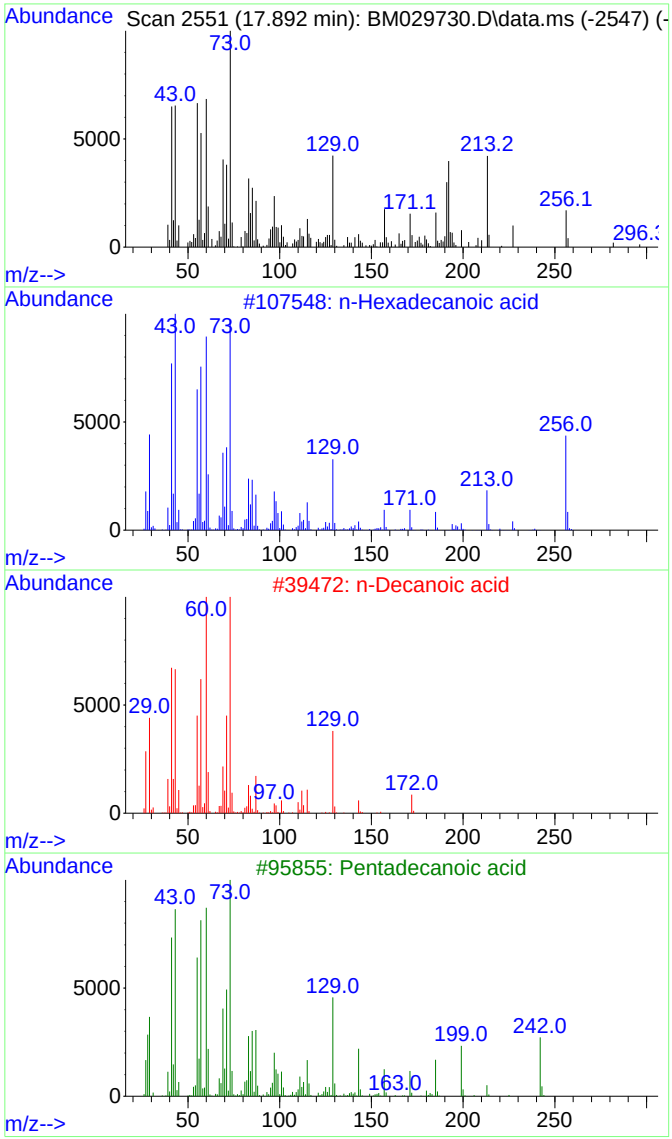
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

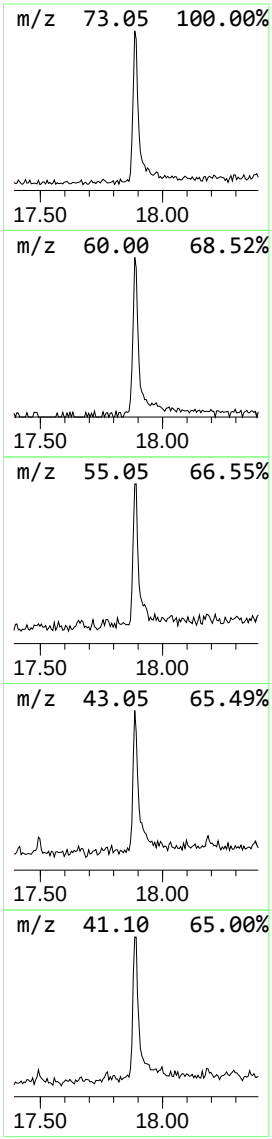
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.892	5.29 ng	244110	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
2	n-Decanoic acid	172	C10H20O2	000334-48-5	55
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
4	Tridecanoic acid	214	C13H26O2	000638-53-9	49
5	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

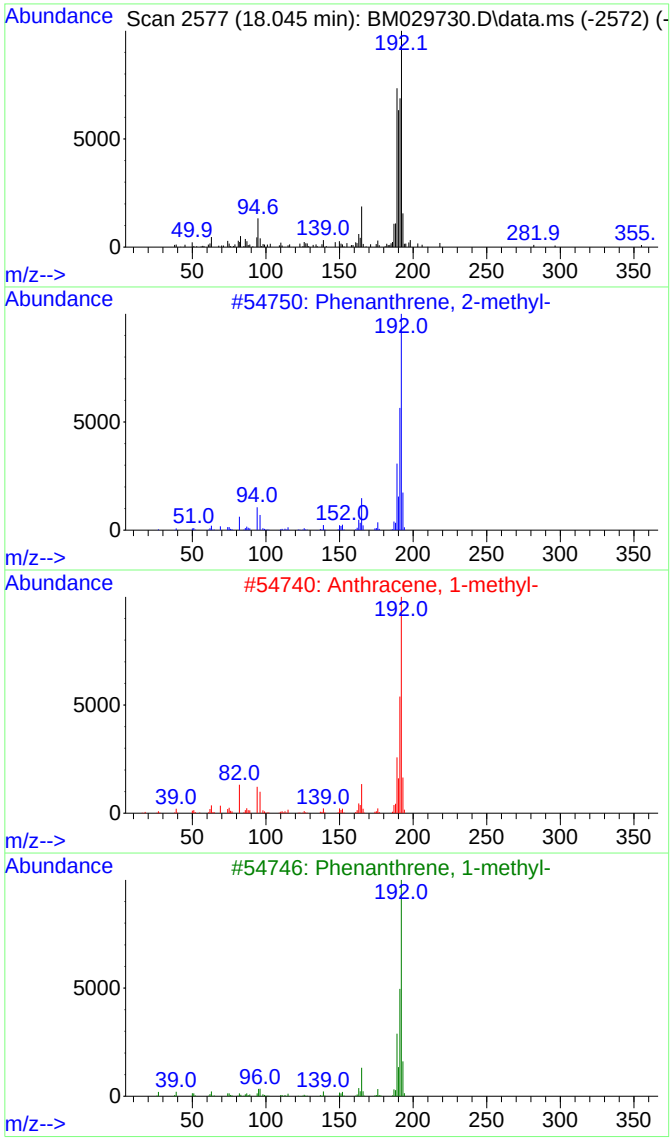
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

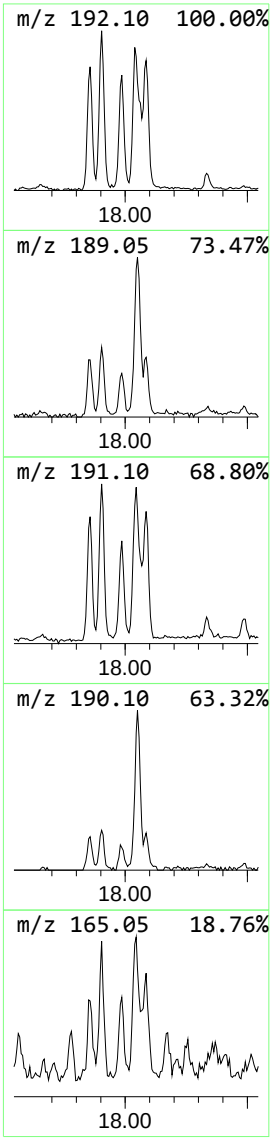
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	3.66 ng	168800	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-01-042921

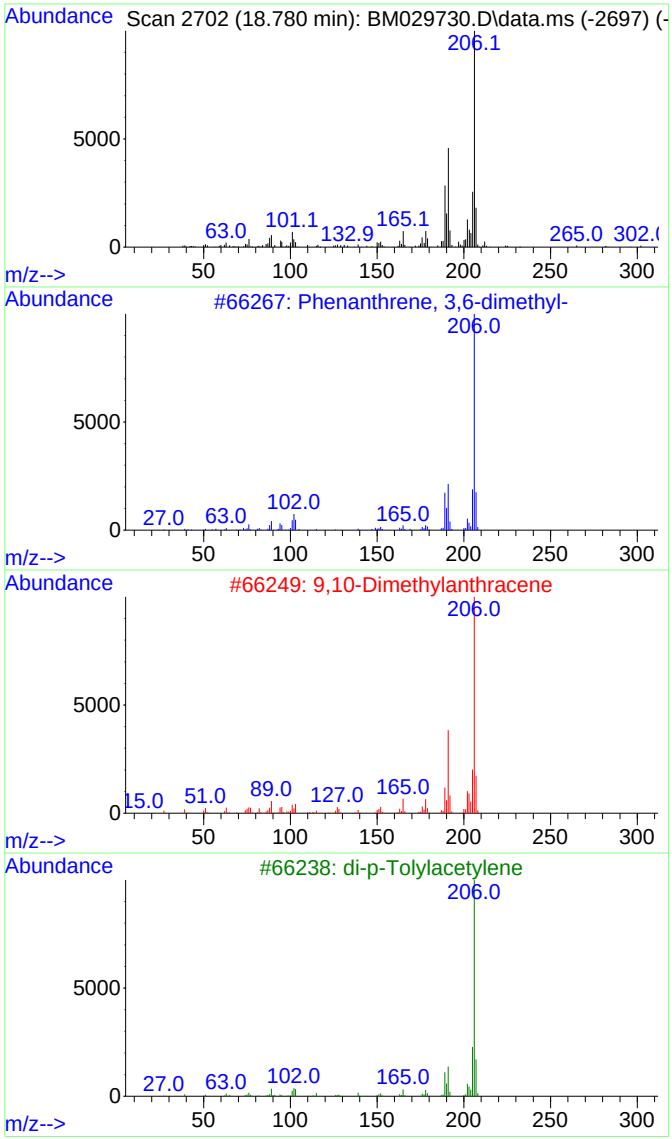
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

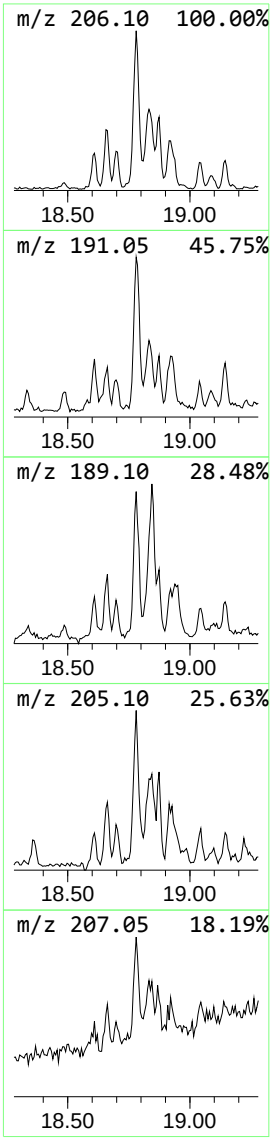
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 3,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	3.51 ng	162092	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-01-042921

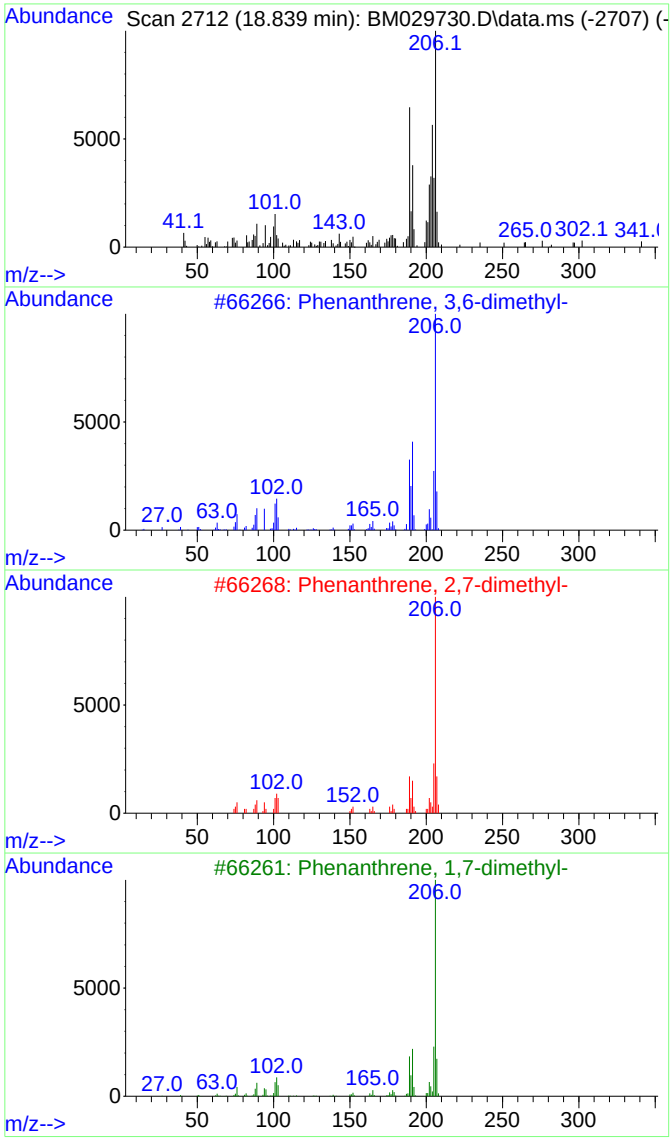
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

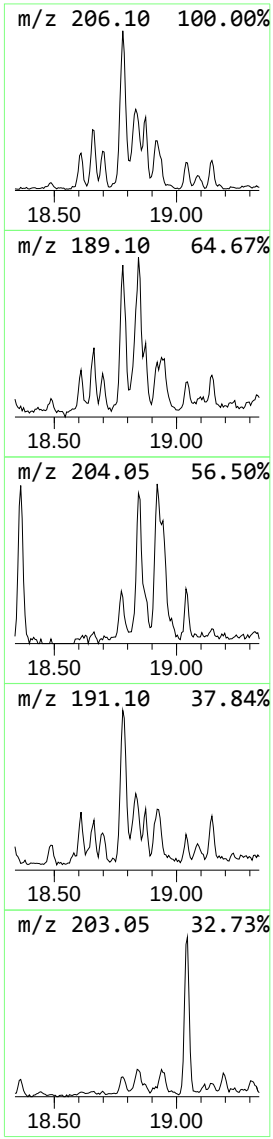
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.839	2.68 ng	123481	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

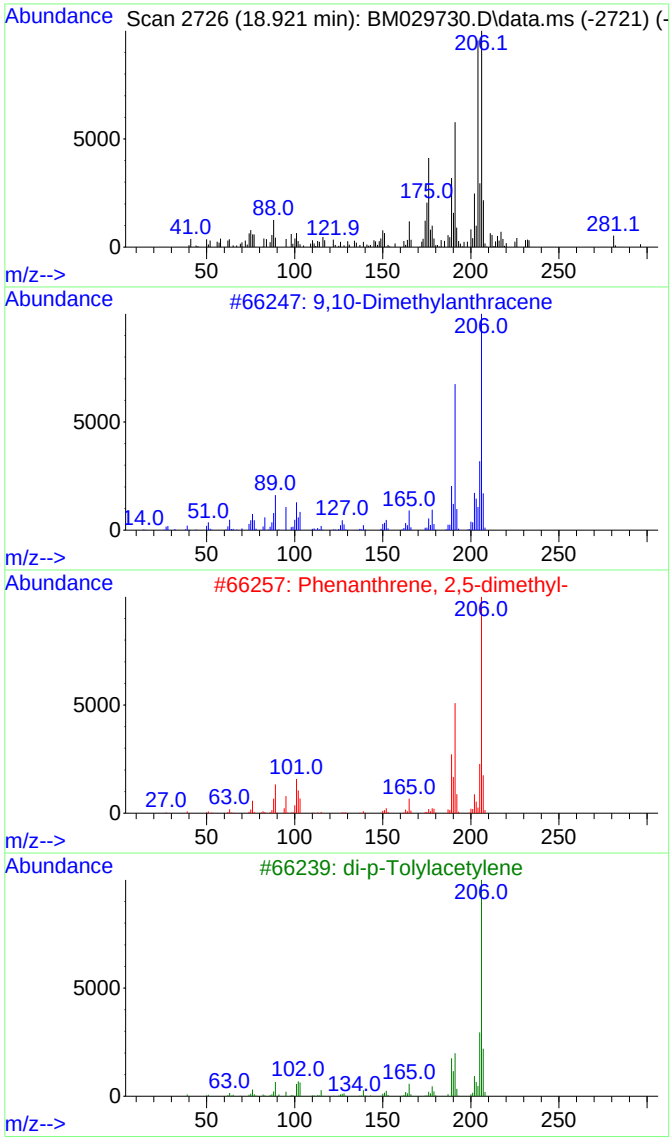
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

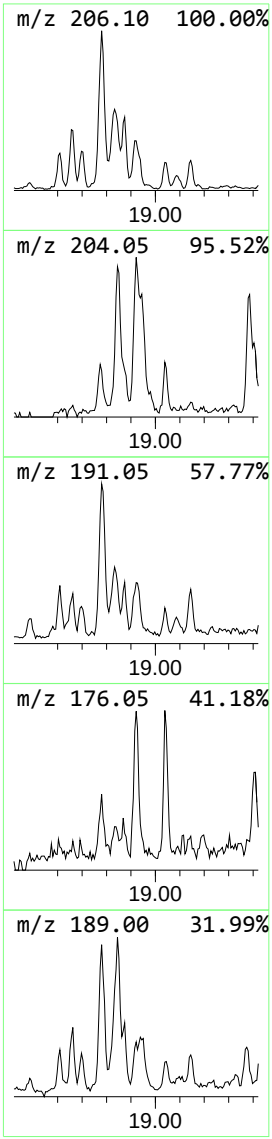
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.921	2.13 ng	98296	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

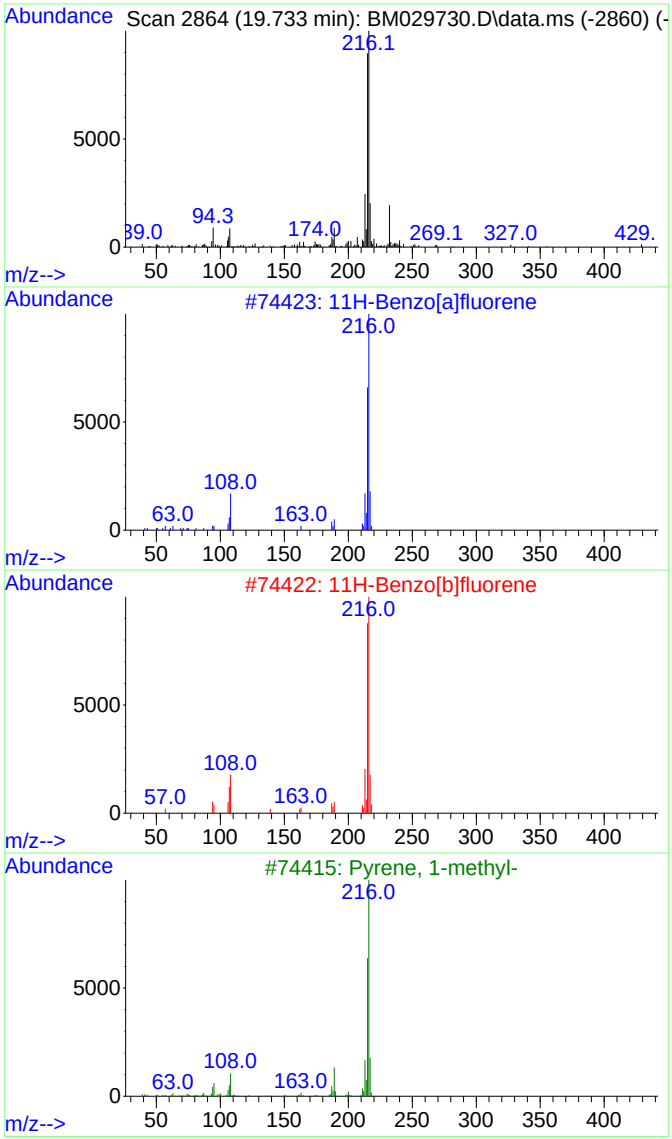
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

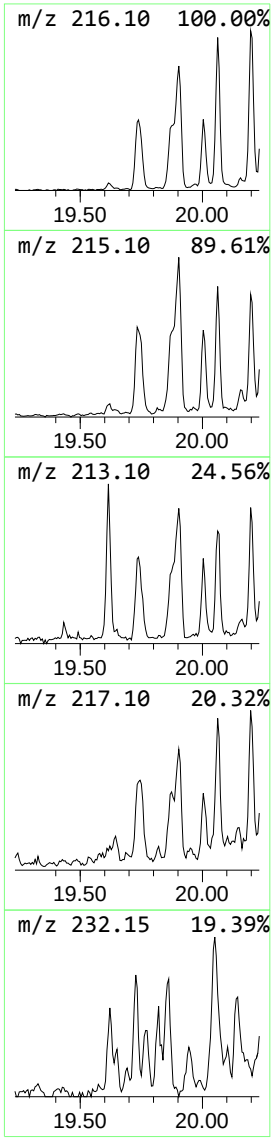
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.733	2.08 ng	175280	Chrysene-d12	21.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-01-042921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

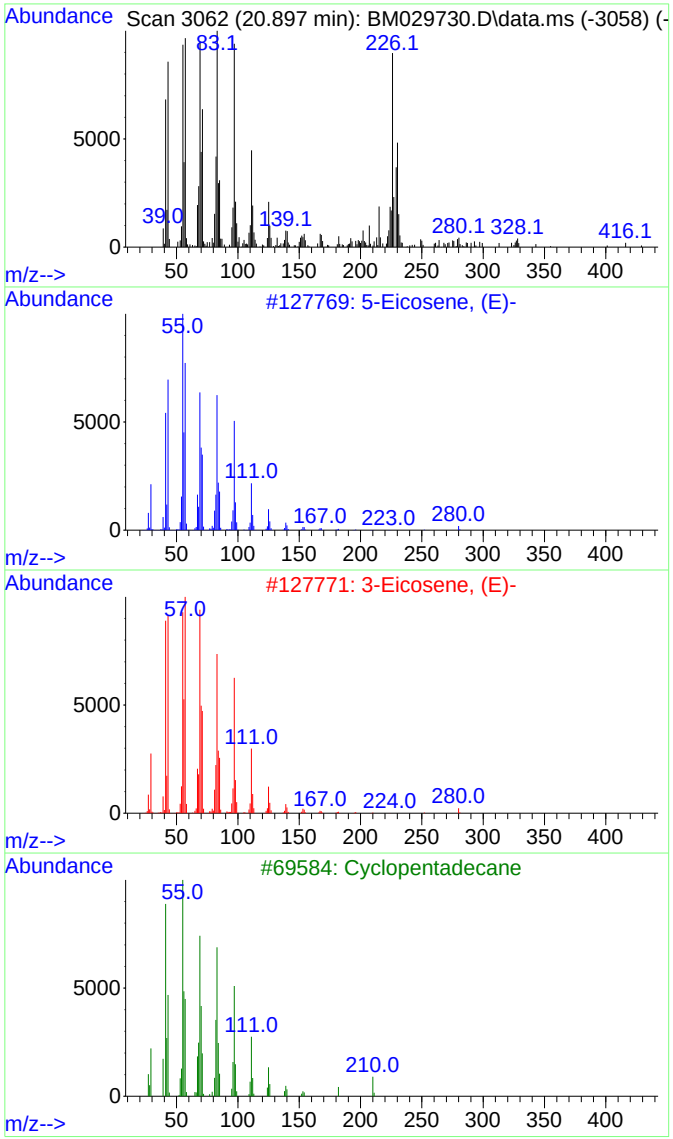
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

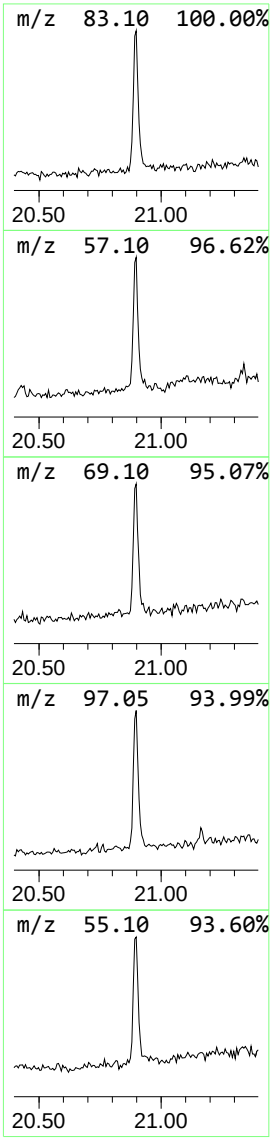
****

Peak Number 7 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.897	2.39 ng	201753	Chrysene-d12	21.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
3	Cyclopentadecane	210	C15H30	000295-48-7	91
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	90
5	Behenic alcohol	326	C22H46O	000661-19-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-01-042921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.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
n-Hexadecanoic ...	17.892	5.3	ng	244110	4	16.980	922865	20.0
Phenanthrene, 2...	18.045	3.7	ng	168800	4	16.980	922865	20.0
Phenanthrene, 3...	18.780	3.5	ng	162092	4	16.980	922865	20.0
Phenanthrene, 2...	18.839	2.7	ng	123481	4	16.980	922865	20.0
9,10-Dimethylan...	18.921	2.1	ng	98296	4	16.980	922865	20.0
11H-Benzo[a]flu...	19.733	2.1	ng	175280	5	21.168	1687780	20.0
5-Eicosene, (E)-	20.897	2.4	ng	201753	5	21.168	1687780	20.0