LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OLD-GIBBONS-COMPOSITE-OF-8

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: BM029733.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.740	308	315	324	rBV	45957	72108	3.46%	0.360%
2	5.193	386	392	400	rBV	358102	528447	25.36%	2.641%
3	6.775	655	661	675	rBV	368414	602851	28.93%	3.013%
4	7.592	792	800	809	rBV	258801	420165	20.16%	2.100%
5	8.745	989	996	1005	rBV	242701	412783	19.81%	2.063%
6	10.369	1262	1272	1279	rBV	330031	561872	26.96%	2.809%
7	11.804	1508	1516	1522	rBV	21194	35958	1.73%	0.180%
8	12.039	1548	1556	1562	rVB4	12167	25936	1.24%	0.130%
9	12.851	1686	1694	1702	rBV	896746	1339956	64.31%	6.698%
10	13.069	1726	1731	1737	rVB2	26854	37600	1.80%	0.188%
11	13.557	1810	1814	1818	rBV2	17756	28405	1.36%	0.142%
12	13.704	1834	1839	1847	rBV2	26180	50382	2.42%	0.252%
13	13.957	1877	1882	1891	rBV	35049	65440	3.14%	0.327%
14	14.151	1910	1915	1919	rVB	15735	22523	1.08%	0.113%
15	14.239	1920	1930	1936	rVV	587479	894660	42.94%	4.472%
16	14.298	1936	1940	1949	rVB	43022	75043	3.60%	0.375%
17	14.639	1993	1998	2004	rVB2	36600	57570	2.76%	0.288%
18	14.716	2004	2011	2015	rVB2	16338	29992	1.44%	0.150%
19	14.863	2028	2036	2040	rBV4	15925	32776	1.57%	0.164%
20	15.027	2057	2064	2068	rBV8	13274	30541	1.47%	0.153%
21	15.110	2074	2078	2082	rBV3	16427	20985	1.01%	0.105%
22	15.286	2103	2108	2115	rBV	58091	93392	4.48%	0.467%
23	15.510	2141	2146	2153	rBV8	14366	30859	1.48%	0.154%
24	15.586	2155	2159	2168	rVB4	18853	38542	1.85%	0.193%
25	15.733	2176	2184	2191	rBV	500203	743368	35.67%	3.716%
26	15.804	2193	2196	2208	rVB10	10166	28355	1.36%	0.142%
27	15.968	2219	2224	2232	rBV5	32825	65639	3.15%	0.328%
28	16.292	2273	2279	2284	rBV2	23432	47096	2.26%	0.235%
29	16.339	2284	2287	2293	rVB3	22266	32920	1.58%	0.165%
30	16.645	2335	2339	2345	rVB3	17639	27556	1.32%	0.138%
31	16.804	2362	2366	2374	rVB	45786	76955	3.69%	0.385%
32	16.980	2391	2396	2400	rBV	743630	1066320	51.17%	5.330%
33	17.027	2400	2404	2411	rVV	450826	653114	31.34%	3.265%
34	17.115	2415	2419	2425	rVV	134899	190446	9.14%	0.952%
35	17.180	2425	2430	2435	rVV3	25608	49762	2.39%	0.249%
36	17.392	2462	2466	2470	rBV	29940	46065	2.21%	0.230%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OLD-GIBBONS-COMPOSITE-OF-8

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	17.498	2481	2484	2488	rVV2	18145	21671	1.04%	0.108%
38	17.562	2491	2495	2503	rVB	36063	61122	2.93%	0.306%
39	17.704	2515	2519	2526	rVB	27600	49995	2.40%	0.250%
40	17.856	2540	2545	2548	rBV	128723	180884	8.68%	0.904%
41	17.904	2548	2553	2560	rVB	160214	282947	13.58%	1.414%
42	17.986	2563	2567	2571	rVV	48778	76582	3.68%	0.383%
43	18.051	2573	2578	2582	rVV2	157755	298870	14.34%	1.494%
44	18.086	2582	2584	2591	rVB	84608	111144	5.33%	0.556%
45	18.256	2610	2613	2616	rBV4	32343	40035	1.92%	0.200%
46	18.362	2627	2631	2635	rBV2	55284	79391	3.81%	0.397%
47	18.580	2665	2668	2670	rBV2	20681	27729	1.33%	0.139%
48	18.609	2670	2673	2677	rVB	46491	57460	2.76%	0.287%
49	18.656	2678	2681	2685	rVV	48461	61011	2.93%	0.305%
50	18.780	2698	2702	2707	rBV	105514	163877	7.86%	0.819%
51	18.827	2707	2710	2711	rBV2	42729	44011	2.11%	0.220%
52	18.915	2722	2725	2733	rBV3	50057	118221	5.67%	0.591%
53	19.045	2742	2747	2752	rBV	715988	941066	45.16%	4.704%
54	19.103	2753	2757	2761	rVV2	234193	304562	14.62%	1.522%
55	19.145	2762	2764	2767	rVV4	29336	36448	1.75%	0.182%
56	19.192	2768	2772	2776	rVB3	70351	106531	5.11%	0.532%
57	19.403	2800	2808	2818	rVB	676173	1152424	55.31%	5.760%
58	19.492	2819	2823	2827	rVB2	65103	99874	4.79%	0.499%
59	19.615	2839	2844	2849	rBV	1710813	2083744	100.00%	10.416%
60	19.733	2860	2864	2875	rBV6	54966	150107	7.20%	0.750%
61	19.903	2890	2893	2898	rVB	145244	178809	8.58%	0.894%
62	20.003	2907	2910	2914	rVB	111301	127537	6.12%	0.637%
63	20.062	2917	2920	2925	rVB3	96401	121180	5.82%	0.606%
64	20.203	2941	2944	2948	rBV	60319	69885	3.35%	0.349%
65	20.897	3058	3062	3068	rBV2	248997	378329	18.16%	1.891%
66	21.168	3102	3108	3112	rBV2	1181509	1945936	93.39%	9.727%
67	21.203	3112	3114	3123	rVB	356581	434628	20.86%	2.172%
68	22.691	3364	3367	3372	rBV	279720	477139	22.90%	2.385%
69	23.344	3473	3478	3483	rVB	706048	1186437	56.94%	5.930%

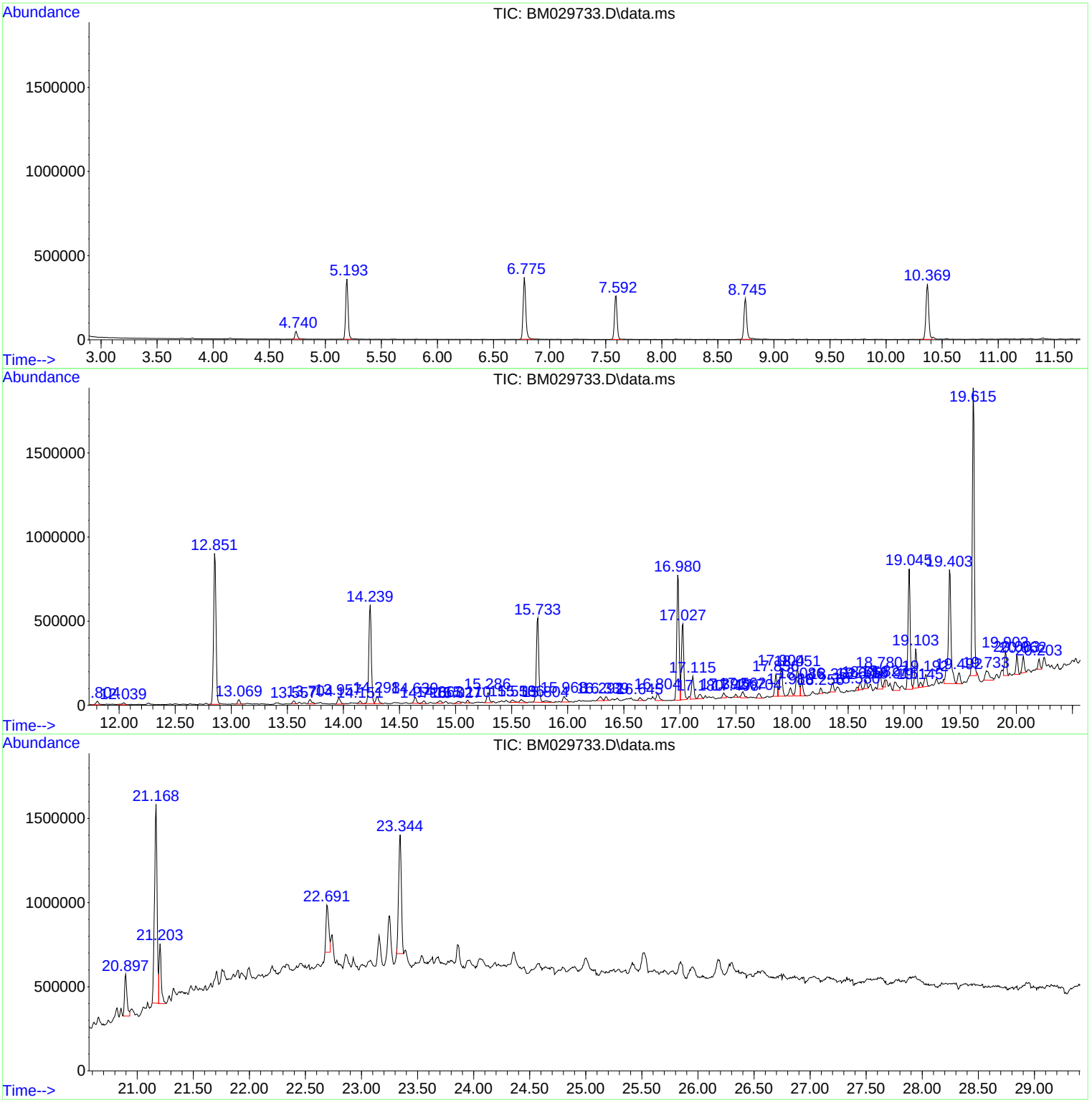
Sum of corrected areas: 20005968

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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 : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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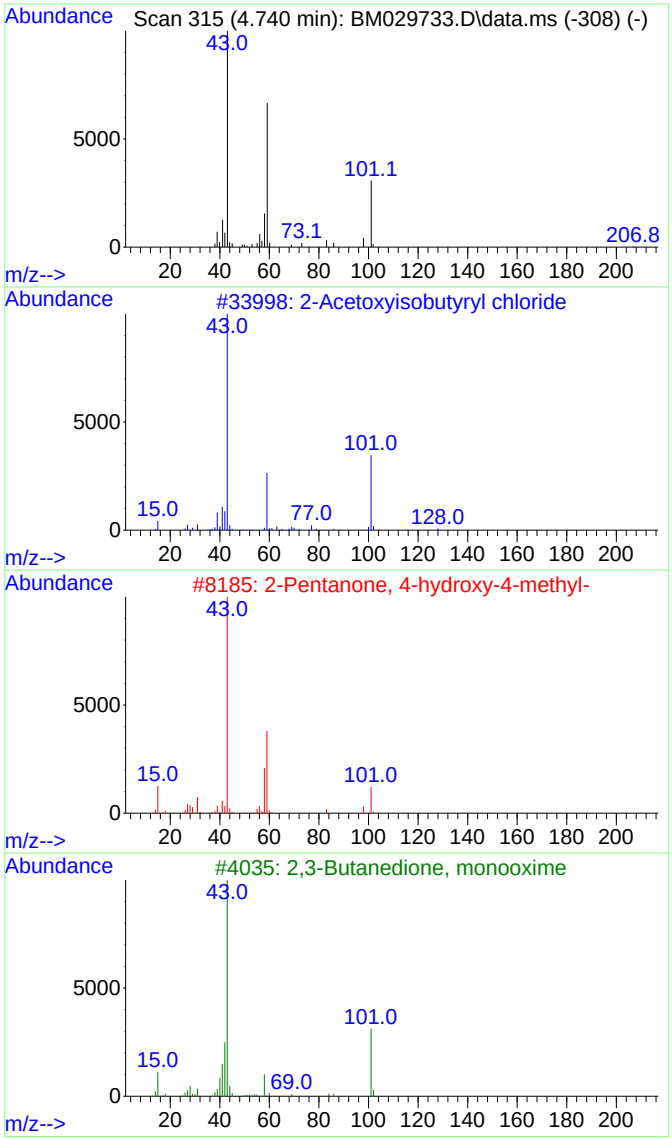
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

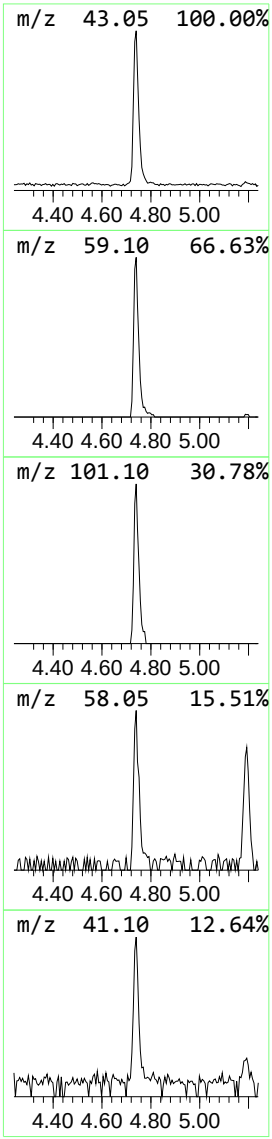
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Acetoxyisobutyryl chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.740	3.43 ng	72108	1,4-Dichlorobenzene-d4	7.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetoxyisobutyryl chloride	164	C6H9ClO3	040635-66-3	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
4	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	28
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

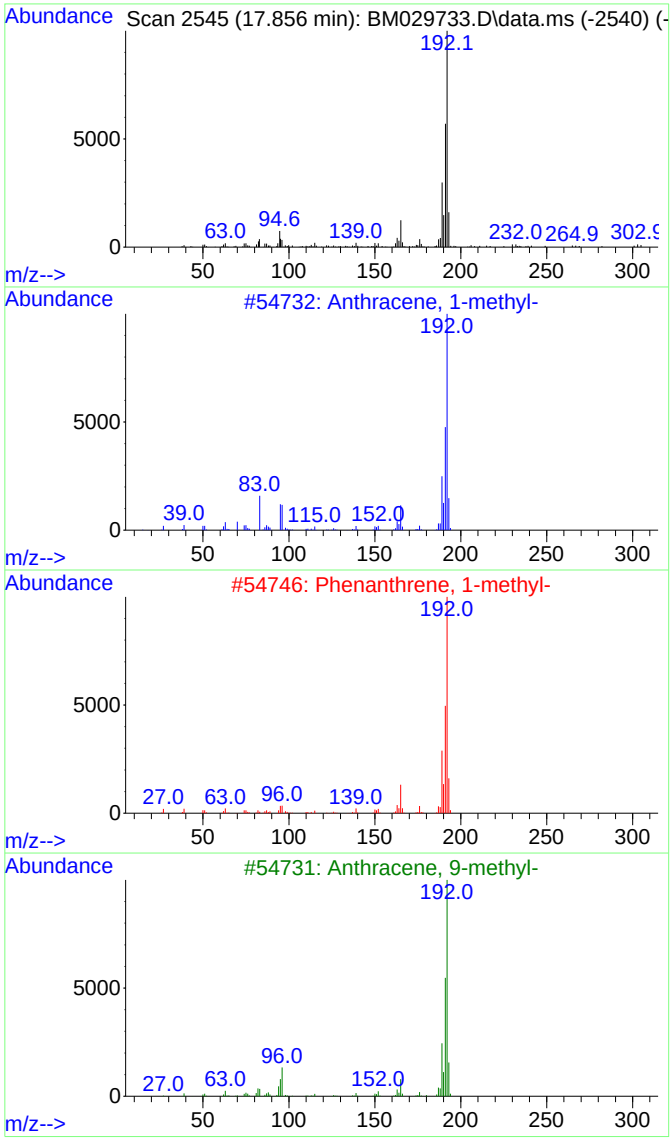
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

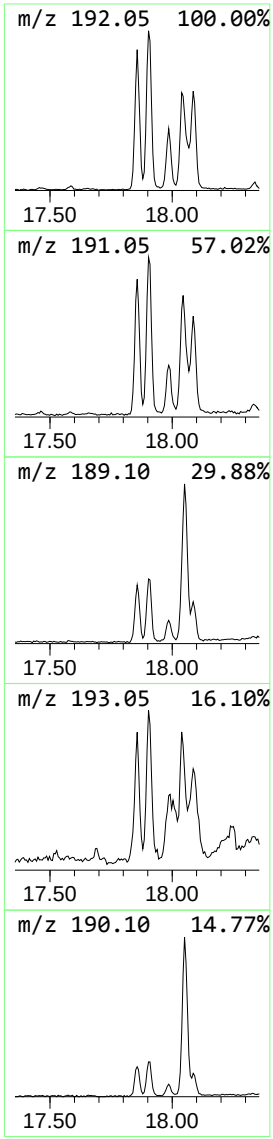
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.857	3.39 ng	180884	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

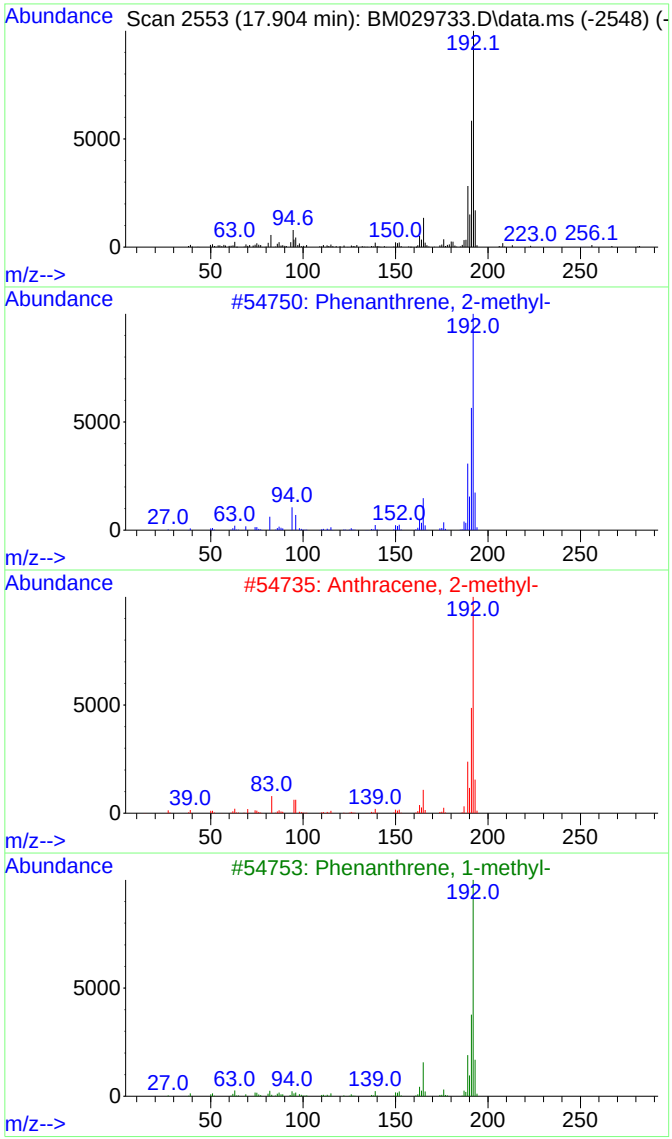
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

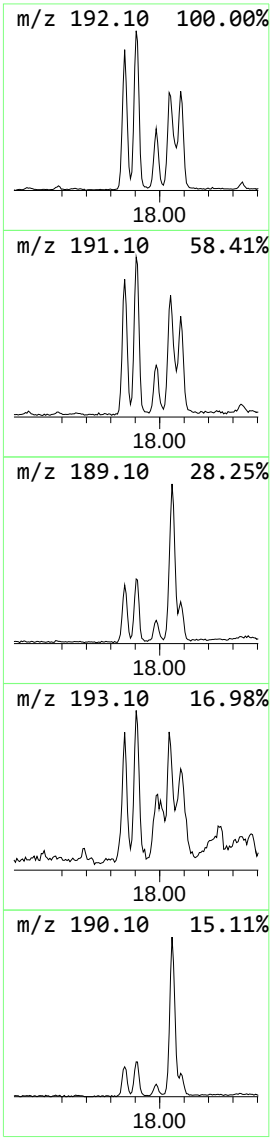
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	5.31 ng	282947	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

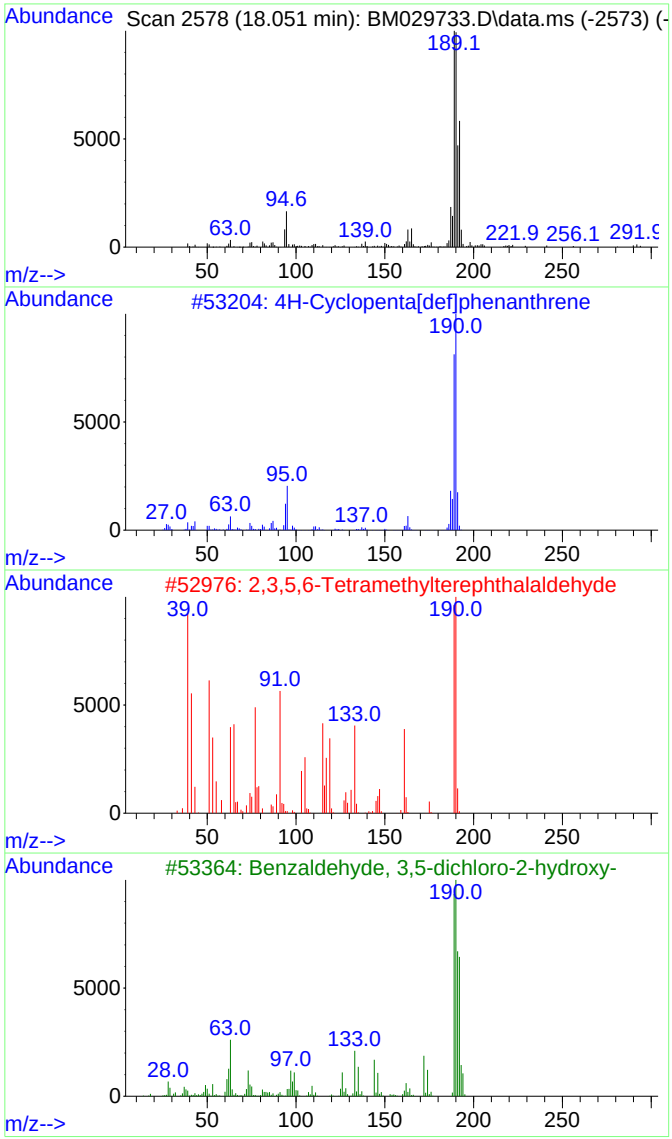
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

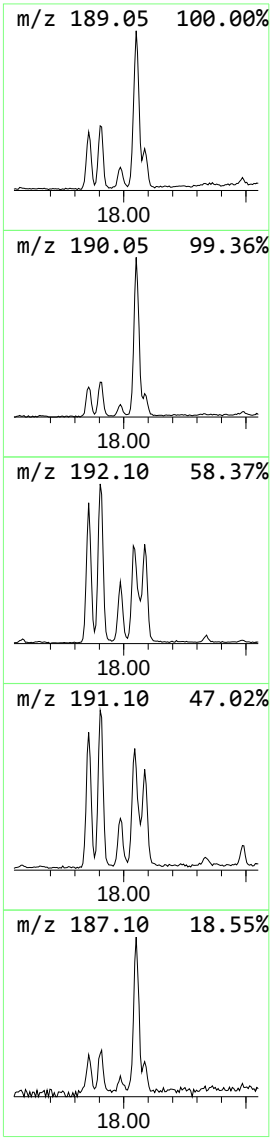
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	5.61 ng	298870	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	42
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

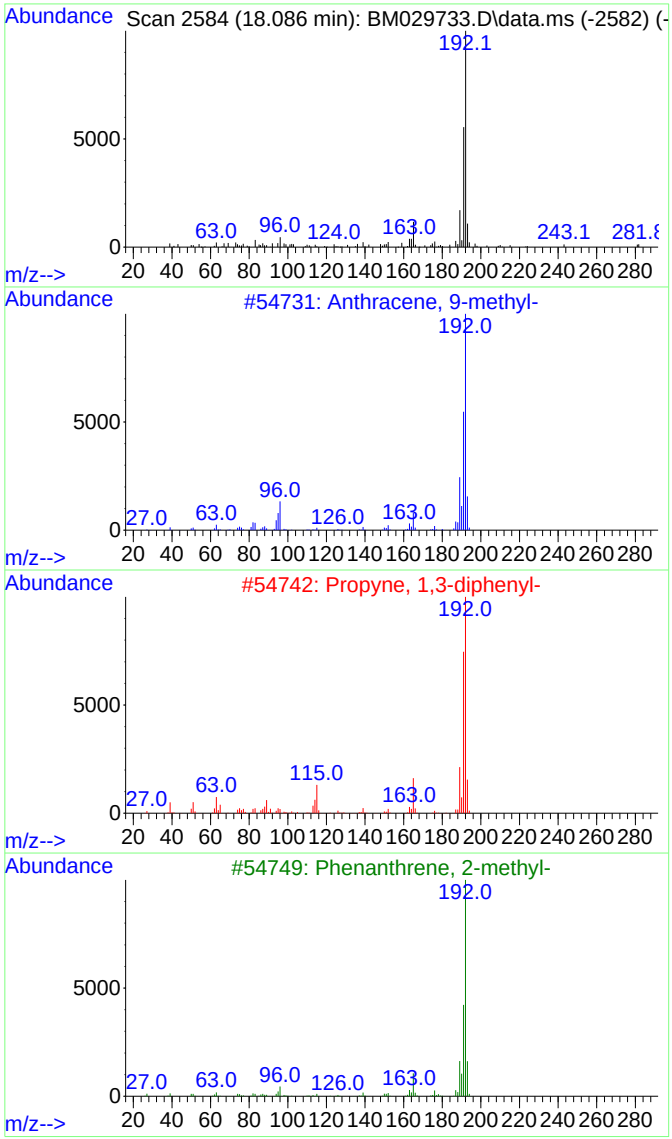
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

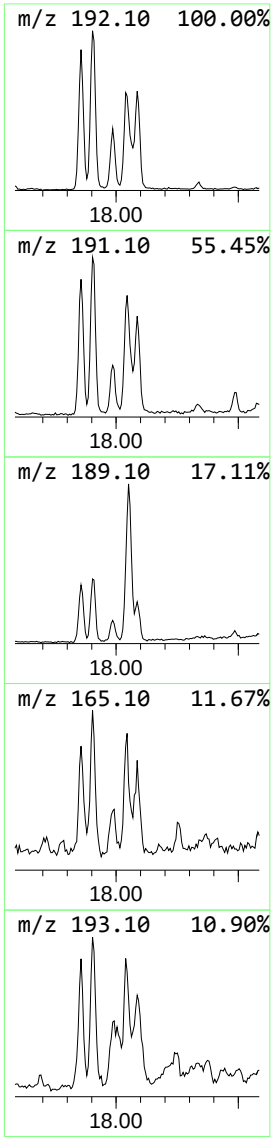
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.086	2.08 ng	111144	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

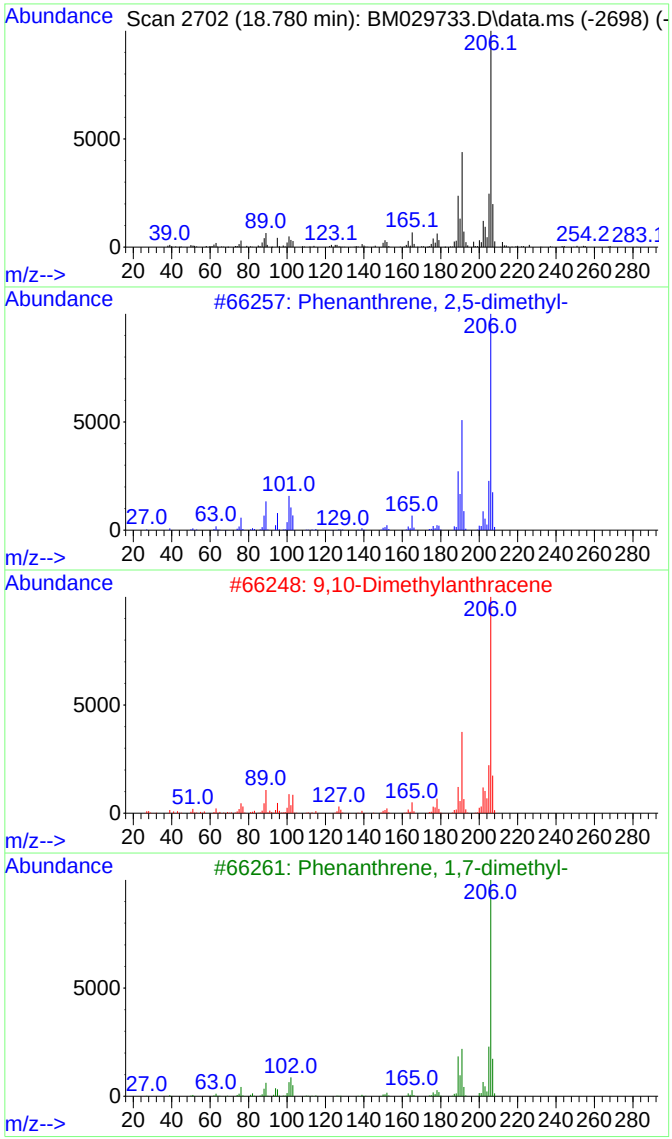
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

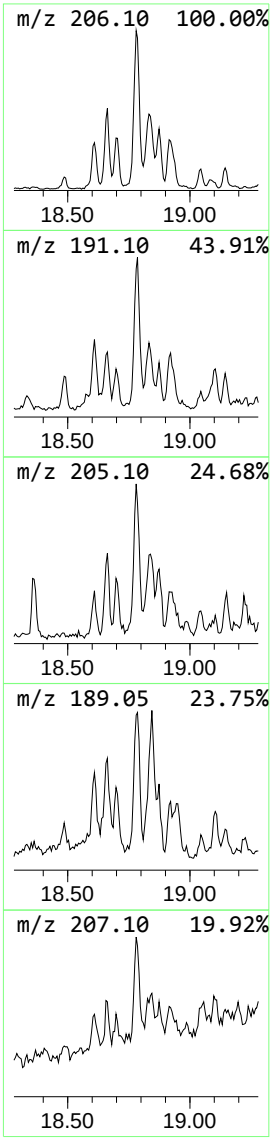
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	3.07 ng	163877	Phenanthrene-d10	16.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

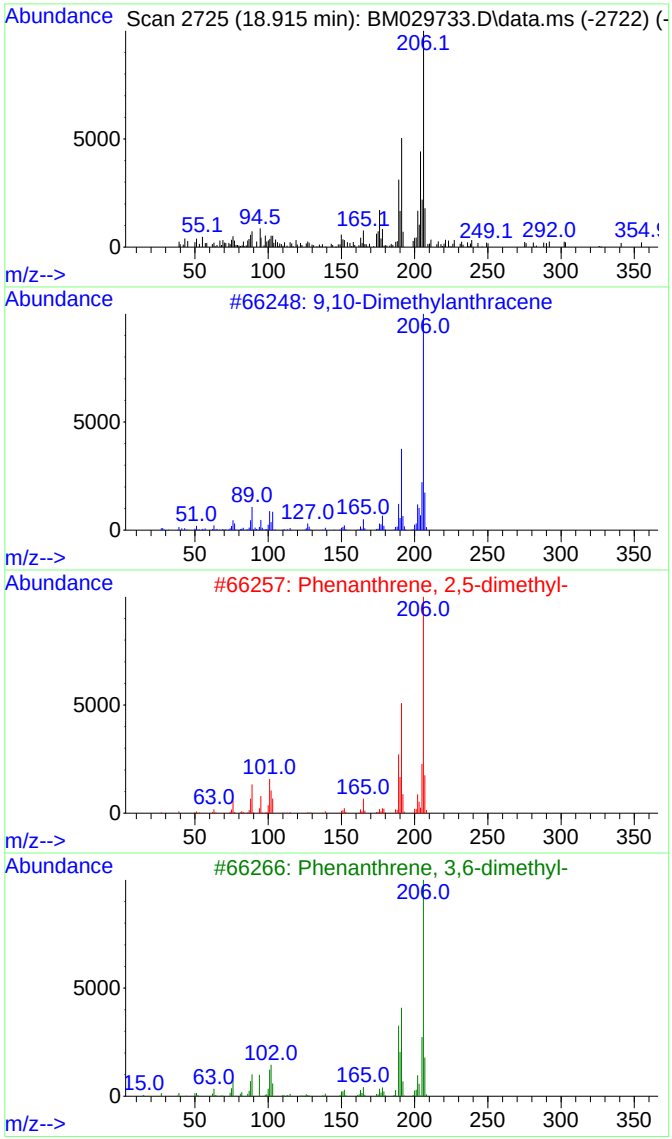
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

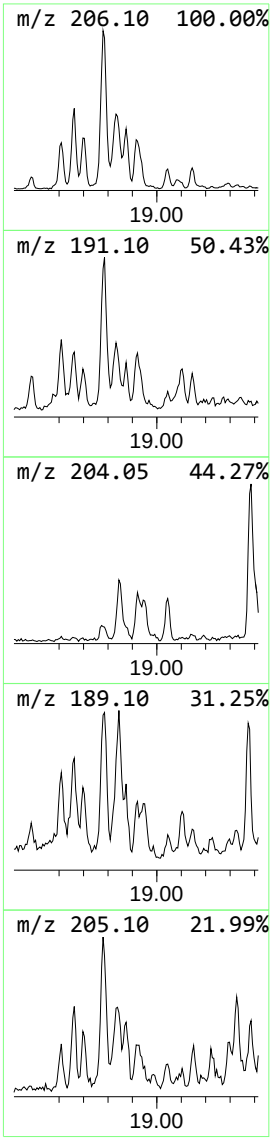
****

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.915	2.22 ng	118221	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	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





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Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

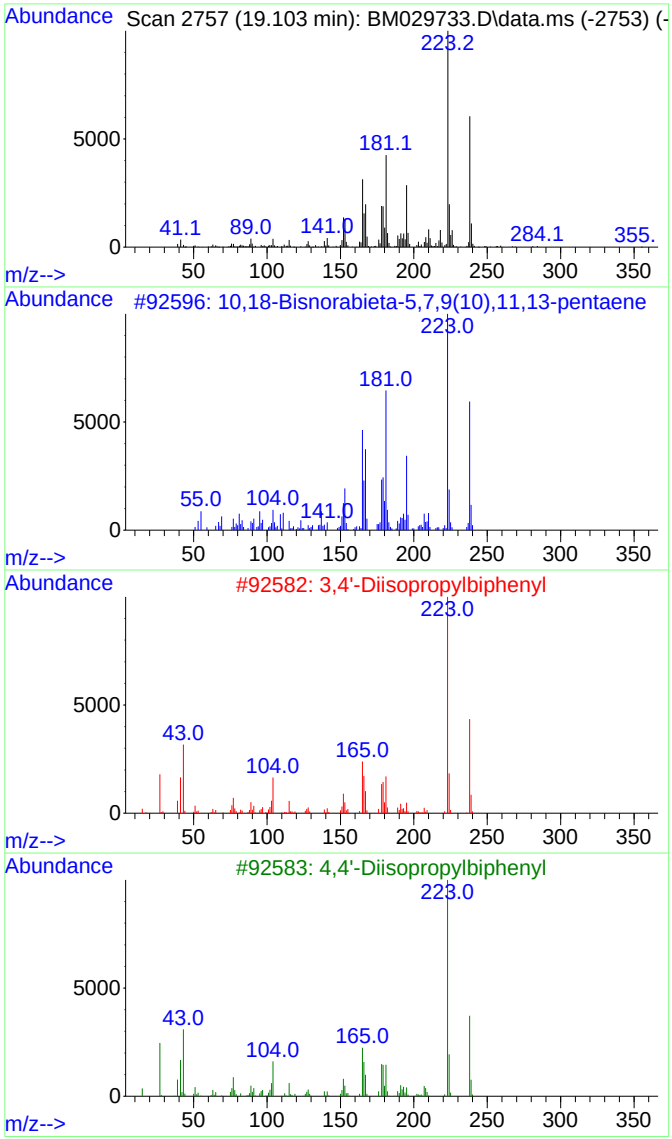
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

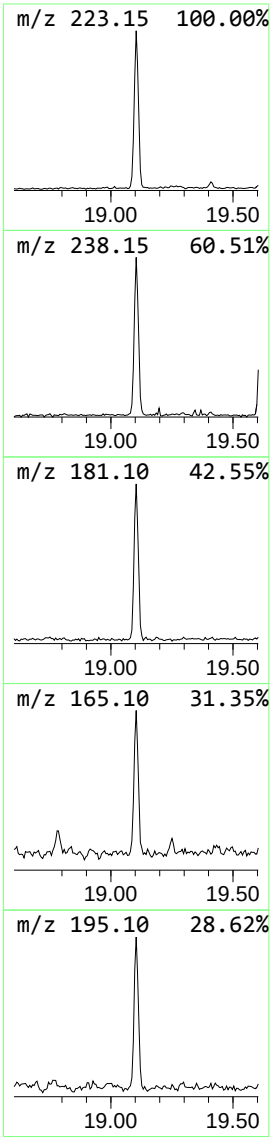
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	3.13 ng	304562	Chrysene-d12	21.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	76
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	58
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	53
5	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OLD-GIBBONS-COMPOSITE-OF-8

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

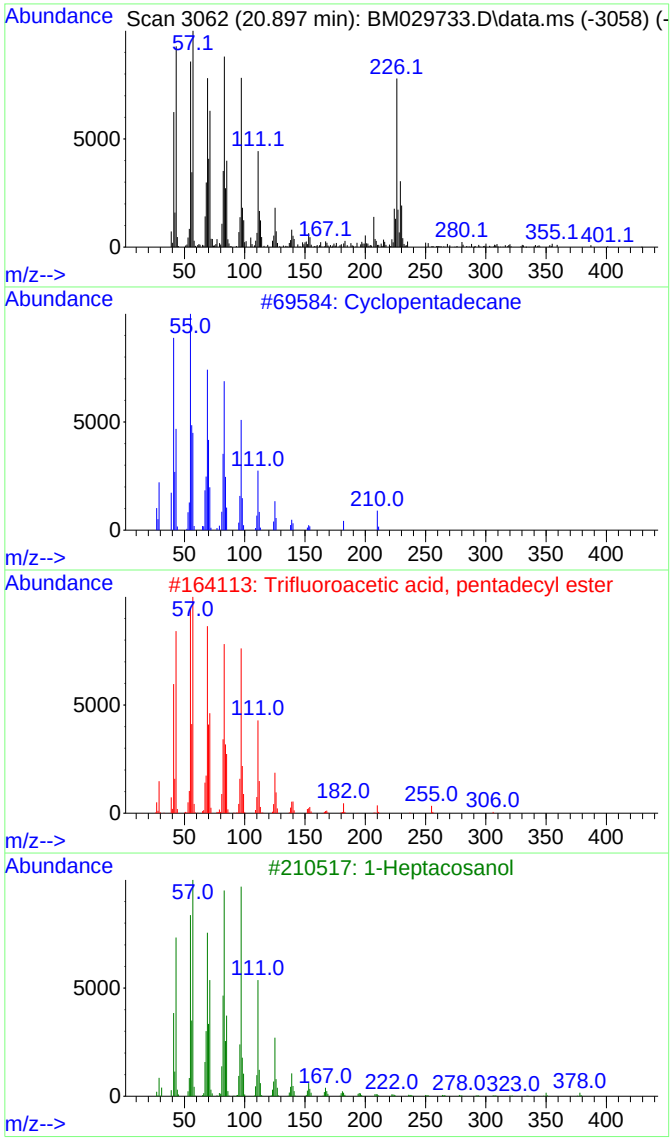
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

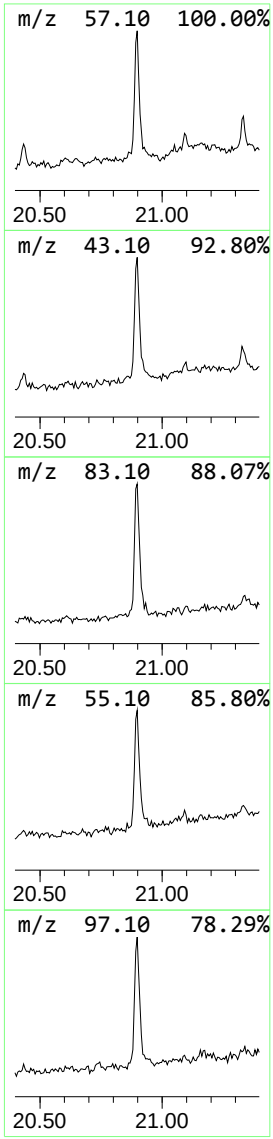
****

Peak Number 10 Cyclopentadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.898	3.89 ng	378329	Chrysene-d12	21.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	91
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
3	1-Heptacosanol	396	C27H56O	002004-39-9	86
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	83
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029733.D
Acq On : 30 Apr 2021 17:24
Operator : CG/JU
Sample : M2226-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OLD-GIBBONS-COMPOSITE-OF-8

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
2-Acetoxyisobut...	4.740	3.4	ng	72108	1	7.592	420165	20.0
Anthracene, 1-m...	17.857	3.4	ng	180884	4	16.980	1066320	20.0
Phenanthrene, 2...	17.904	5.3	ng	282947	4	16.980	1066320	20.0
4H-Cyclopenta[d...	18.051	5.6	ng	298870	4	16.980	1066320	20.0
Anthracene, 9-m...	18.086	2.1	ng	111144	4	16.980	1066320	20.0
Phenanthrene, 2...	18.780	3.1	ng	163877	4	16.980	1066320	20.0
9,10-Dimethylan...	18.915	2.2	ng	118221	4	16.980	1066320	20.0
10,18-Bisnorabi...	19.104	3.1	ng	304562	5	21.168	1945940	20.0
Cyclopentadecane	20.898	3.9	ng	378329	5	21.168	1945940	20.0