LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

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-BM022321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	377	382	399	rBV	155642	237120	53.08%	3.314%
2	6.863	653	659	673	rBV	150143	241594	54.08%	3.376%
3	6.975	673	678	683	rVB	6264	8922	2.00%	0.125%
4	7.287	728	731	739	rVB2	2613	4909	1.10%	0.069%
5	7.663	790	795	802	rBB	38941	56316	12.61%	0.787%
6	8.840	989	995	1005	rBV	87994	143879	32.21%	2.011%
7	10.457	1265	1270	1274	rVV	46722	74873	16.76%	1.046%
8	10.504	1274	1278	1286	rVB	33426	53350	11.94%	0.746%
9	11.869	1506	1510	1514	rBB2	3572	4938	1.11%	0.069%
10	12.128	1549	1554	1561	rVB	36682	53871	12.06%	0.753%
11	12.351	1584	1592	1600	rBB	31475	47155	10.56%	0.659%
12	12.945	1687	1693	1701	rBB	214064	299115	66.96%	4.180%
13	13.134	1718	1725	1727	rBV	4344	5980	1.34%	0.084%
14	13.157	1727	1729	1734	rVB	5534	6239	1.40%	0.087%
15	13.222	1734	1740	1749	rBB	46058	71938	16.10%	1.005%
16	13.351	1758	1762	1766	rBV	3026	4629	1.04%	0.065%
17	13.486	1781	1785	1787	rBV2	11265	16662	3.73%	0.233%
18	13.651	1807	1813	1818	rBV	24783	43054	9.64%	0.602%
19	13.704	1818	1822	1829	rVB	17207	22847	5.11%	0.319%
20	13.798	1829	1838	1842	rBV2	16025	22453	5.03%	0.314%
21	13.886	1849	1853	1856	rBV	11725	15931	3.57%	0.223%
22	13.916	1856	1858	1862	rVB2	4593	5664	1.27%	0.079%
23	14.051	1876	1881	1887	rBV	24570	35235	7.89%	0.492%
24	14.222	1904	1910	1914	rBV2	4295	6132	1.37%	0.086%
25	14.333	1919	1929	1935	rVV2	65775	101238	22.66%	1.415%
26	14.398	1935	1940	1947	rVB	28619	43625	9.77%	0.610%
27	14.551	1959	1966	1973	rVB3	3058	7620	1.71%	0.106%
28	14.633	1973	1980	1985	rBV2	1760	4647	1.04%	0.065%
29	14.733	1991	1997	2003	rBV	29253	38974	8.72%	0.545%
30	14.810	2006	2010	2014	rVB	11235	13166	2.95%	0.184%
31	14.951	2029	2034	2039	rVB3	9374	15440	3.46%	0.216%
32	15.004	2039	2043	2048	rVB	7496	9108	2.04%	0.127%
33	15.104	2056	2060	2061	rBV2	5227	5920	1.33%	0.083%
34	15.122	2061	2063	2067	rVB3	5320	6579	1.47%	0.092%
35	15.210	2075	2078	2085	rVB	4036	4799	1.07%	0.067%
36	15.386	2102	2108	2116	rBV	58018	87795	19.65%	1.227%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

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-BM022321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.463	2116	2121	2126	rBV2	14443	25577	5.73%	0.357%
38	15.504	2126	2128	2132	rVV2	4317	5354	1.20%	0.075%
39	15.545	2132	2135	2138	rVV3	4652	5786	1.30%	0.081%
40	15.592	2138	2143	2146	rVV4	5462	6748	1.51%	0.094%
41	15.675	2153	2157	2164	rVB2	7355	11191	2.51%	0.156%
42	15.798	2174	2178	2179	rBV2	5934	7370	1.65%	0.103%
43	15.833	2179	2184	2190	rVV	182095	252138	56.45%	3.524%
44	15.904	2192	2196	2202	rVB4	2091	4725	1.06%	0.066%
45	16.057	2215	2222	2228	rBV5	8052	18232	4.08%	0.255%
46	16.386	2271	2278	2283	rBV3	18842	37276	8.34%	0.521%
47	16.439	2283	2287	2292	rVB2	15172	19664	4.40%	0.275%
48	16.533	2298	2303	2308	rVB	10798	16088	3.60%	0.225%
49	16.657	2322	2324	2331	rVB3	4185	4818	1.08%	0.067%
50	16.745	2335	2339	2343	rVB4	5040	8560	1.92%	0.120%
51	16.827	2343	2353	2357	rBV5	7562	15663	3.51%	0.219%
52	16.898	2359	2365	2372	rVB	19542	31133	6.97%	0.435%
53	17.080	2391	2396	2399	rBV	82583	109920	24.61%	1.536%
54	17.121	2399	2403	2409	rVV	304014	409304	91.63%	5.720%
55	17.216	2413	2419	2423	rVB	72747	98642	22.08%	1.379%
56	17.274	2423	2429	2434	rBV3	9794	19307	4.32%	0.270%
57	17.363	2439	2444	2446	rBV5	3027	5806	1.30%	0.081%
58	17.492	2459	2466	2475	rBV	27562	51914	11.62%	0.726%
59	17.563	2475	2478	2481	rVV2	5296	5918	1.32%	0.083%
60	17.657	2490	2494	2500	rVB2	8749	12730	2.85%	0.178%
61	17.745	2504	2509	2514	rVB	31843	38419	8.60%	0.537%
62	17.804	2514	2519	2524	rBV	6752	13108	2.93%	0.183%
63	17.951	2539	2544	2547	rBV	70466	99962	22.38%	1.397%
64	17.998	2549	2552	2559	rVV	87383	123486	27.64%	1.726%
65	18.080	2561	2566	2571	rVV2	25557	41790	9.36%	0.584%
66	18.145	2571	2577	2581	rVV2	80107	149370	33.44%	2.087%
67	18.180	2581	2583	2592	rVB	47116	58662	13.13%	0.820%
68	18.257	2592	2596	2600	rBV2	9029	14118	3.16%	0.197%
69	18.351	2609	2612	2616	rVB4	3999	5857	1.31%	0.082%
70	18.451	2625	2629	2635	rVV	26494	38680	8.66%	0.541%
71	18.704	2668	2672	2677	rBV2	21710	37971	8.50%	0.531%
72	18.751	2677	2680	2684	rVB	29195	33094	7.41%	0.462%
73	18.792	2684	2687	2691	rVB	20482	24931	5.58%	0.348%
74	18.892	2692	2704	2706	rBV2	151430	285036	63.81%	3.983%
75	18.921	2706	2709	2715	rVB3	126149	179226	40.12%	2.505%
76	19.010	2720	2724	2729	rBV2	20068	41848	9.37%	0.585%

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Misc :
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Instrument : BNA_M
ClientSampleId : TR-05-030921

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.057	2729	2732	2738	rVB2	23167	33915	7.59%	0.474%
78	19.139	2740	2746	2752	rBV	302088	425487	95.25%	5.946%
79	19.239	2759	2763	2764	rBV3	15493	19056	4.27%	0.266%
80	19.380	2783	2787	2790	rBV2	11991	14348	3.21%	0.201%
81	19.474	2798	2803	2804	rBV2	50454	63207	14.15%	0.883%
82	19.504	2804	2808	2816	rVB	274852	393600	88.11%	5.501%
83	19.574	2816	2820	2827	rBV	31290	44435	9.95%	0.621%
84	19.704	2837	2842	2847	rBV	361817	446695	100.00%	6.243%
85	19.827	2858	2863	2864	rBV4	26502	40814	9.14%	0.570%
86	19.962	2882	2886	2888	rBV4	25339	36991	8.28%	0.517%
87	19.998	2889	2892	2898	rVB	75119	103466	23.16%	1.446%
88	20.098	2905	2909	2913	rBV	60639	74479	16.67%	1.041%
89	20.157	2915	2919	2922	rVB	44637	57540	12.88%	0.804%
90	20.292	2939	2942	2946	rBV	38031	46778	10.47%	0.654%
91	20.339	2947	2950	2953	rVB	31623	37687	8.44%	0.527%
92	20.909	3044	3047	3049	rBV2	20660	22632	5.07%	0.316%
93	20.939	3050	3052	3055	rVV	24464	24049	5.38%	0.336%
94	20.980	3055	3059	3064	rVB2	61542	87368	19.56%	1.221%
95	21.251	3099	3105	3109	rBV2	181031	361644	80.96%	5.054%
96	21.292	3109	3112	3120	rVB	137586	162638	36.41%	2.273%
97	22.774	3360	3364	3368	rBV	64196	119038	26.65%	1.664%
98	23.227	3437	3441	3446	rBV	47901	80460	18.01%	1.124%
99	23.321	3453	3457	3465	rVB	87017	146103	32.71%	2.042%
100	23.415	3468	3473	3477	rVV	73505	121907	27.29%	1.704%

Sum of corrected areas: 7155476

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Data File : BM029082.D
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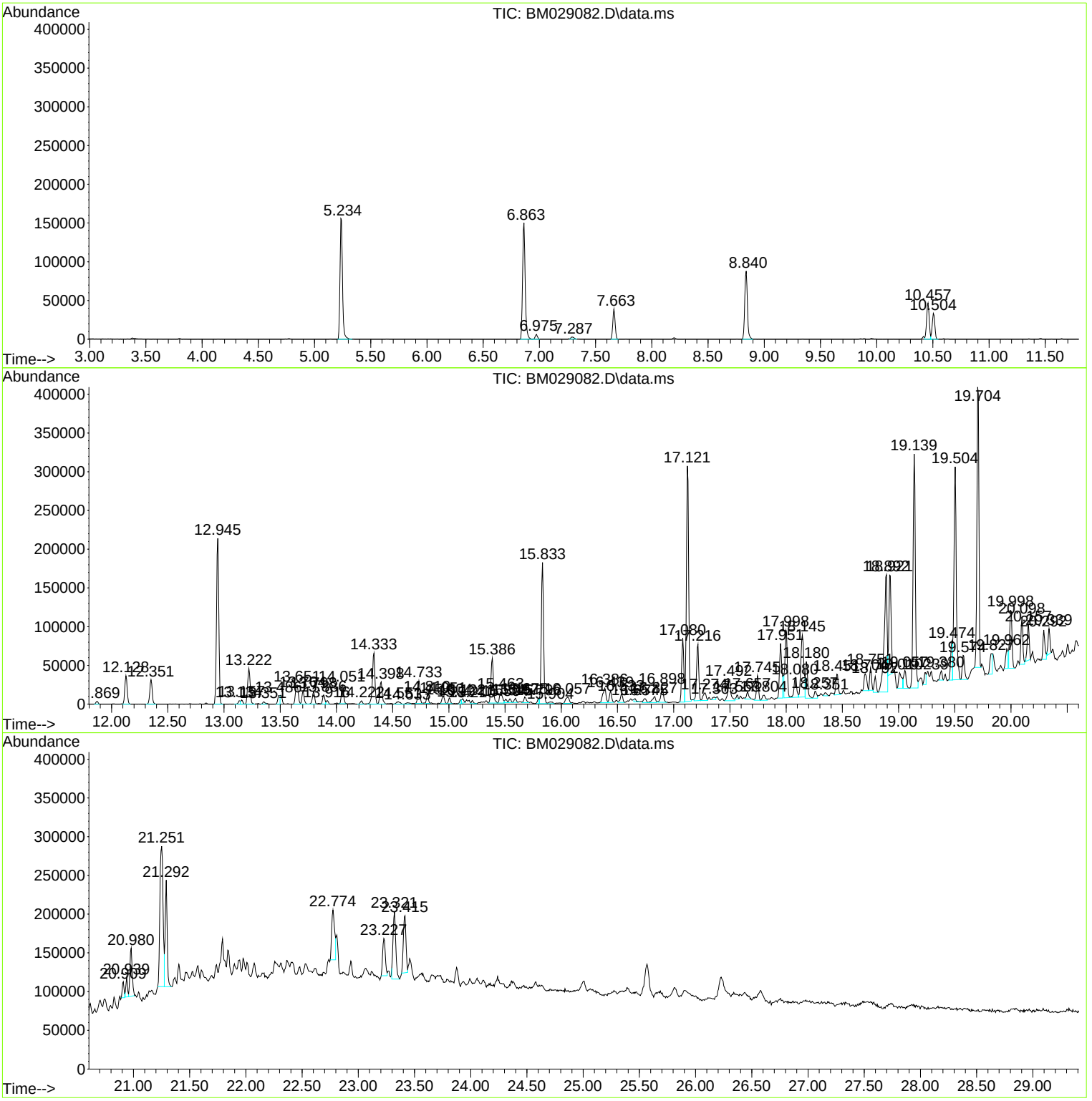
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.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\BM031021\
Data File : BM029082.D
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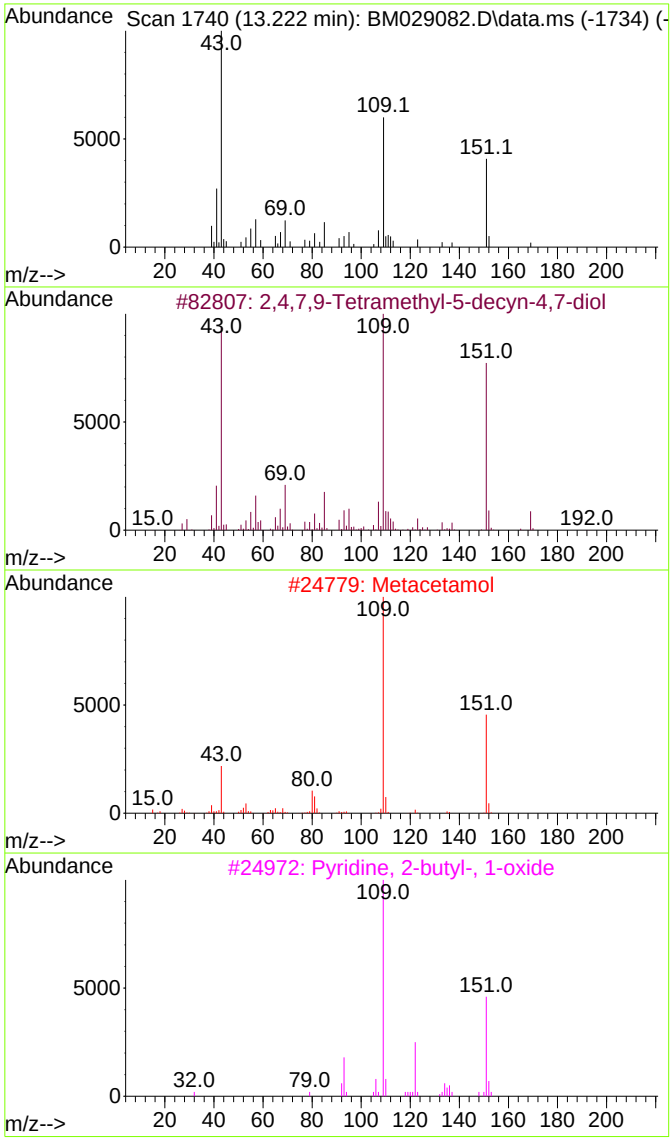
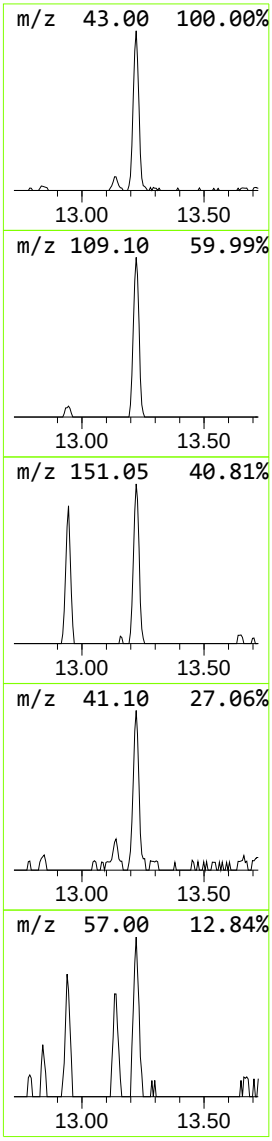
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.222	14.21 ng	71938	Acenaphthene-d10	14.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
4	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	36
5	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

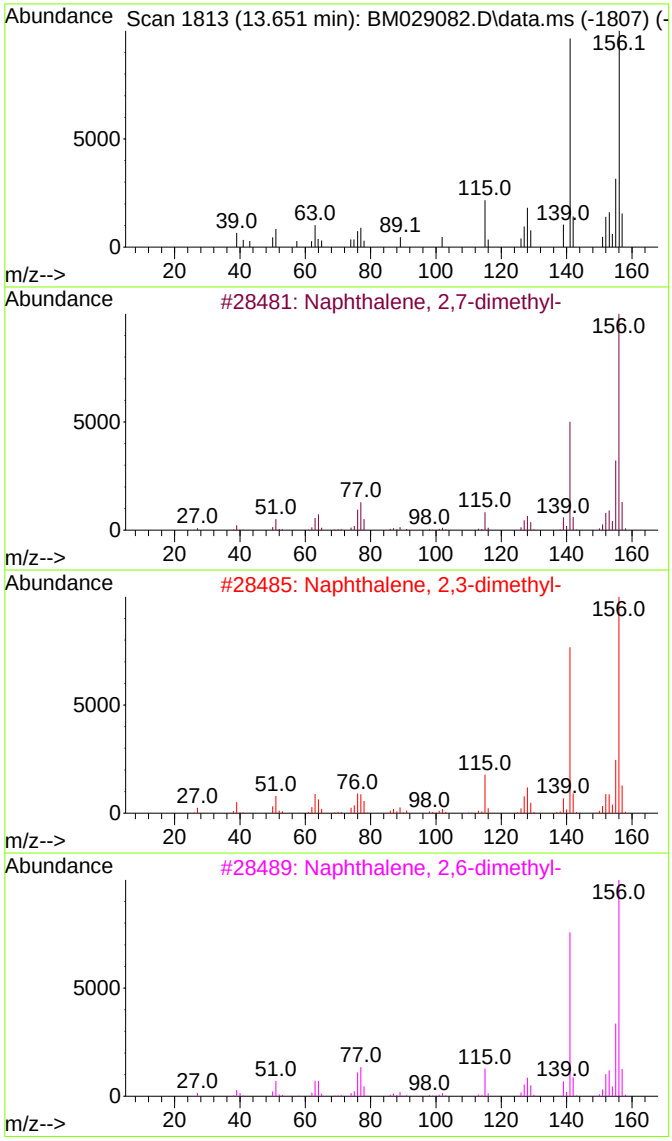
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

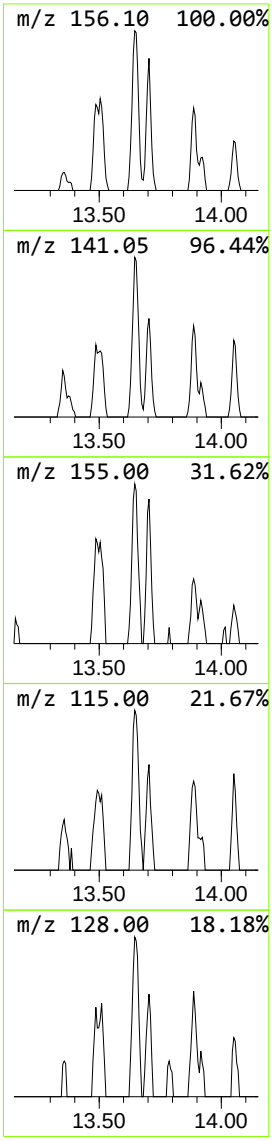
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	8.51 ng	43054	Acenaphthene-d10	14.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

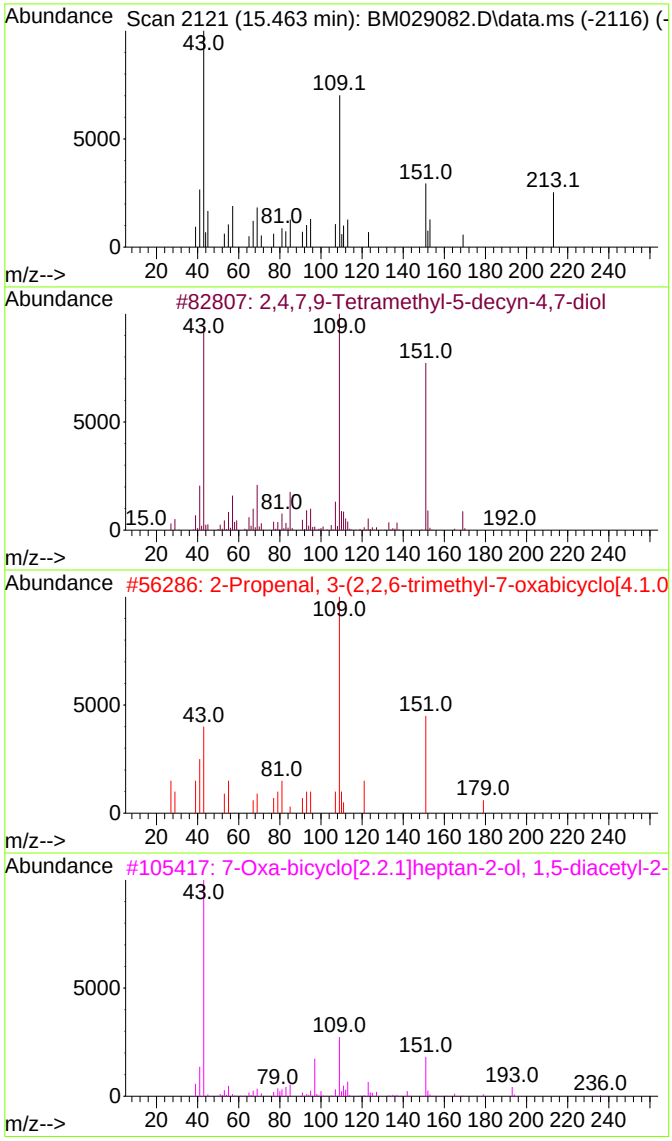
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

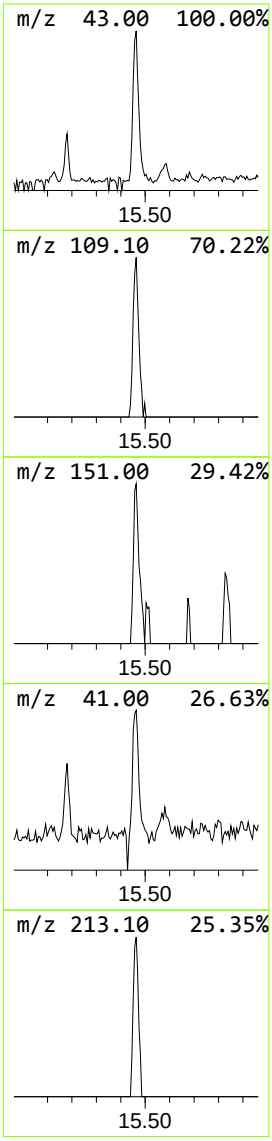
****

Peak Number 3 unknown15.463 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	5.05 ng	25577	Acenaphthene-d10	14.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	47
2	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	43
3	7-Oxa-bicyclo[2.2.1]heptan-2-ol,...	254	C14H22O4	329362-13-2	40
4	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	38
5	Acetaminophen	151	C8H9NO2	000103-90-2	27





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Operator : CG/JU
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Instrument :
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ClientSampleId :
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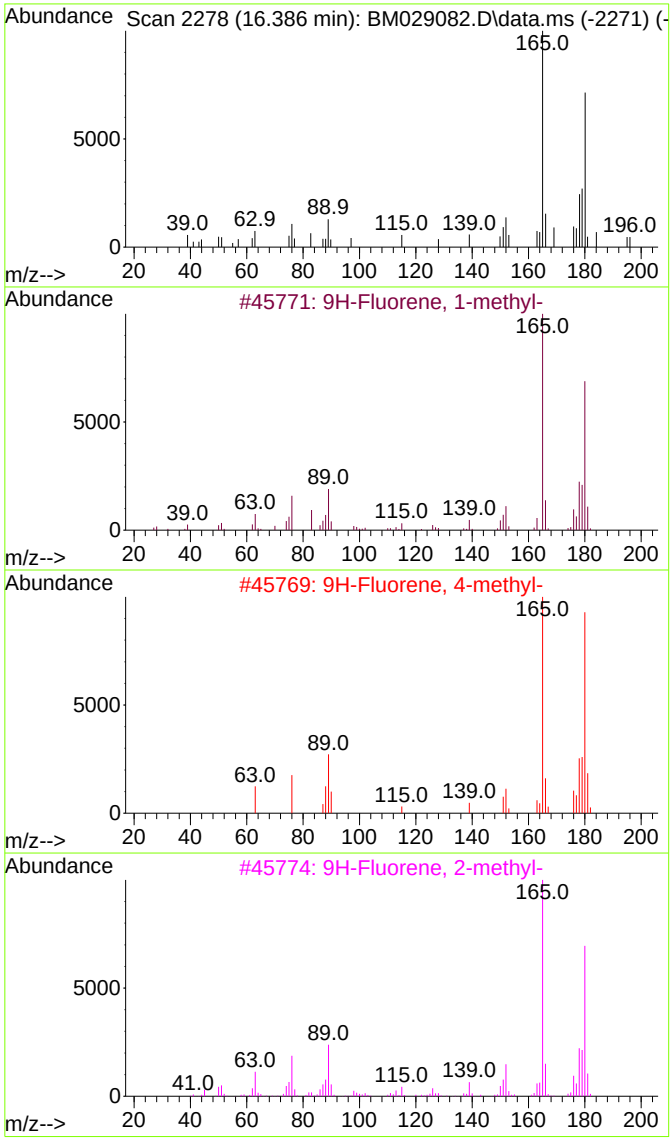
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

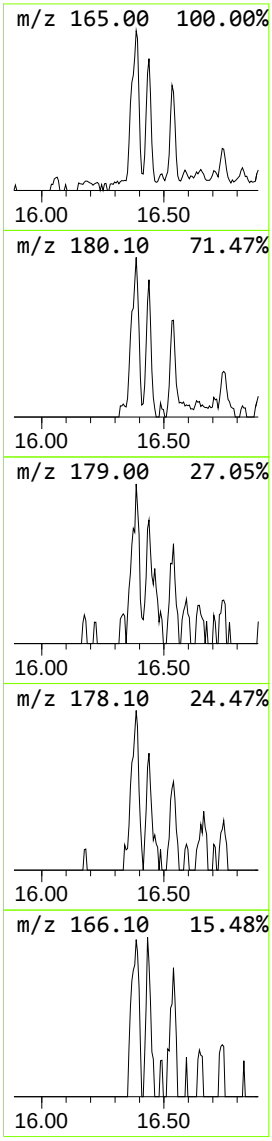
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.386	6.78 ng	37276	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

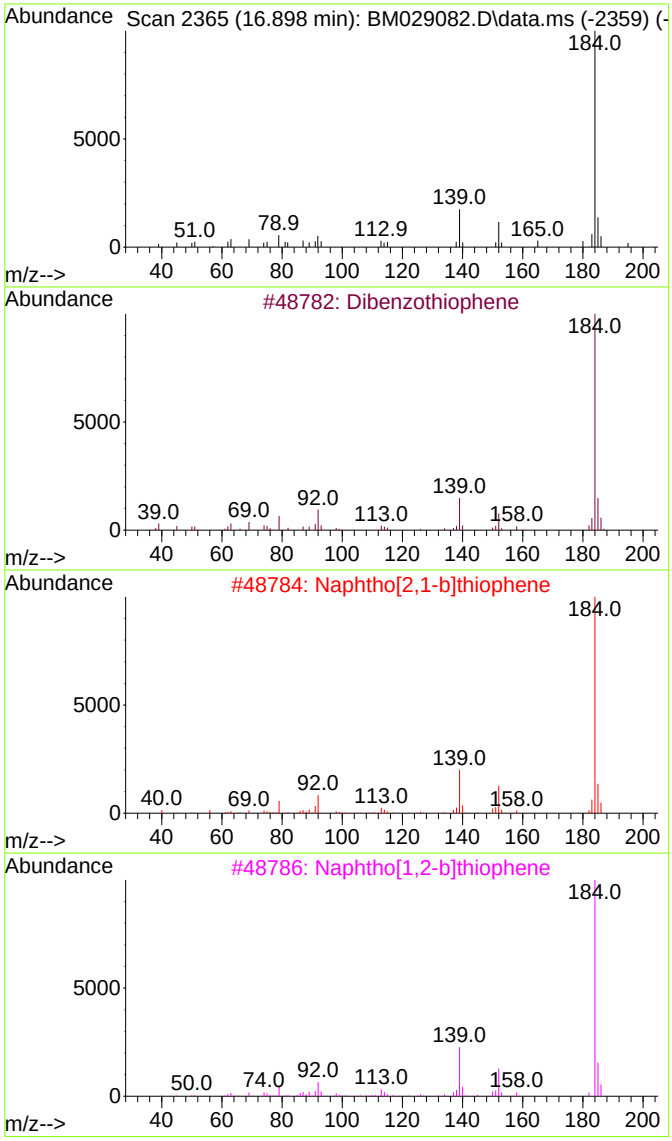
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

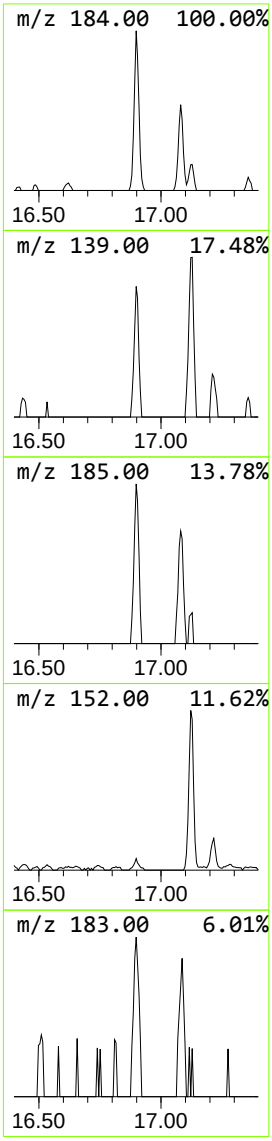
****

Peak Number 5 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	5.66 ng	31133	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83





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Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

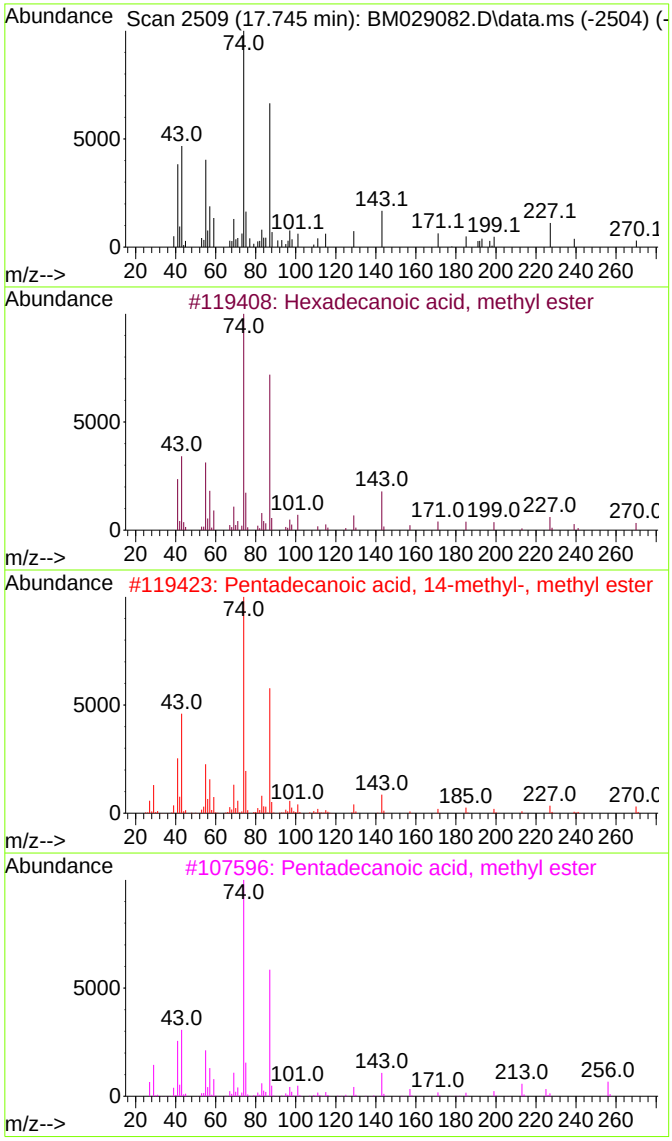
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

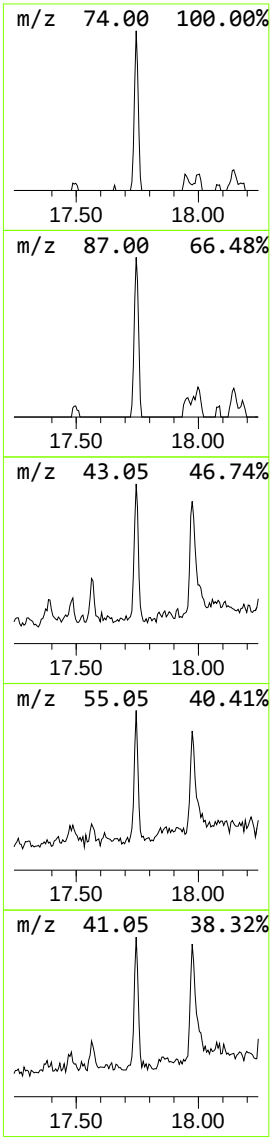
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	6.99 ng	38419	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	80
5	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	80





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Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

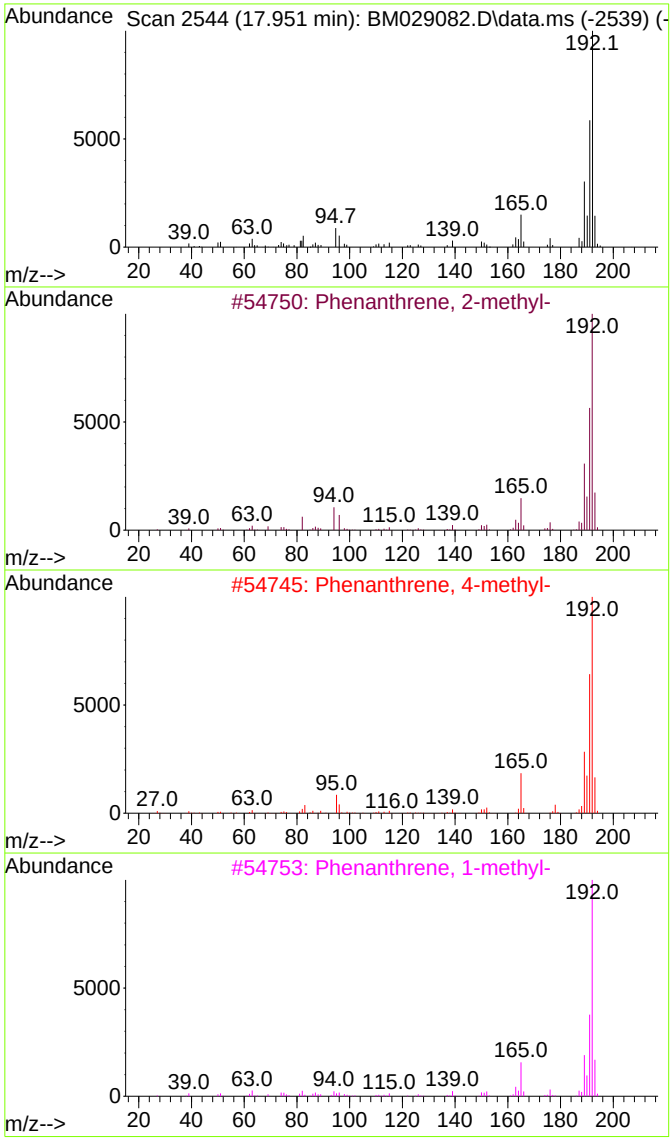
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

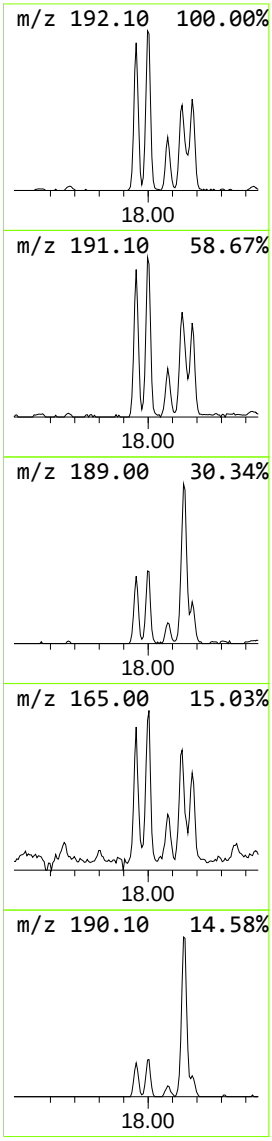
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.951	18.19 ng	99962	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Instrument : BNA_M
ClientSampleId : TR-05-030921

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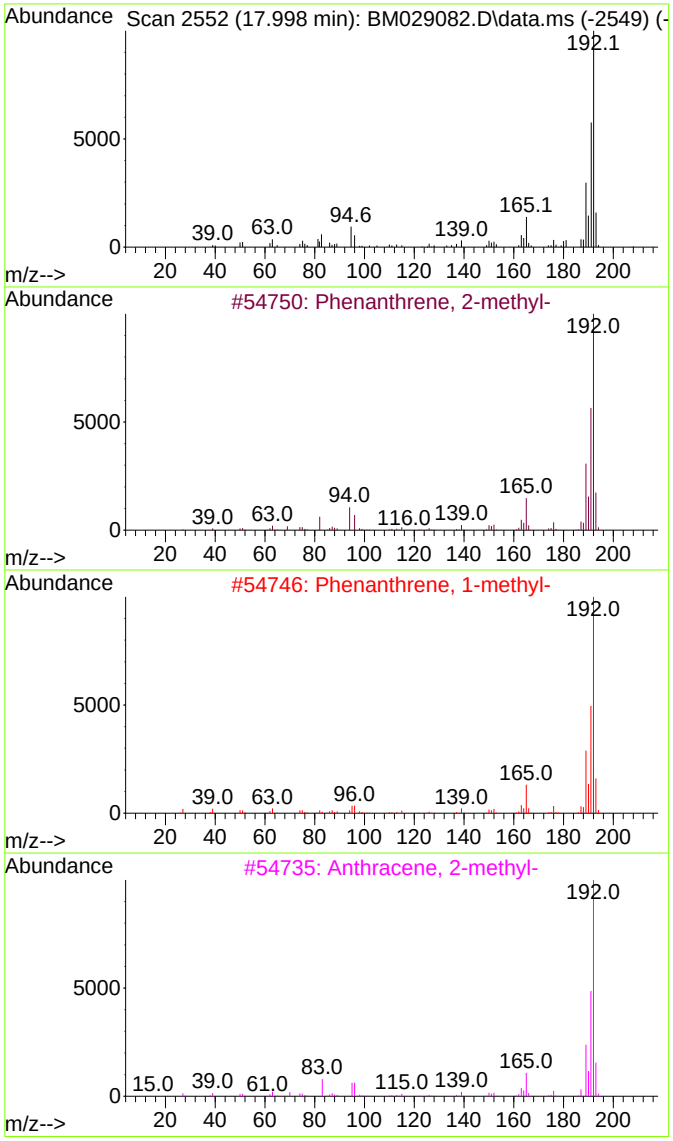
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

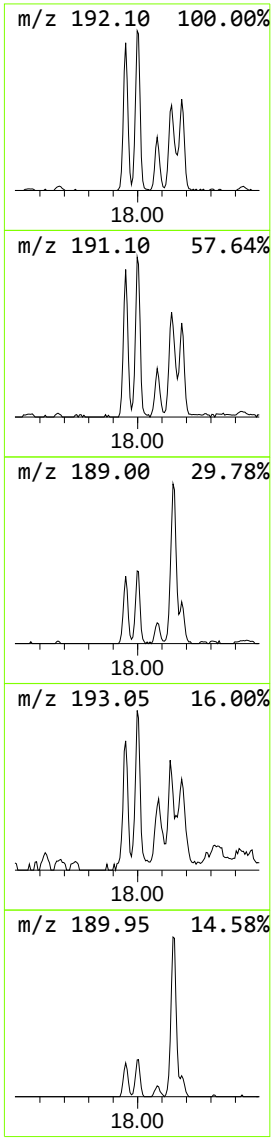
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.998	22.47 ng	123486	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

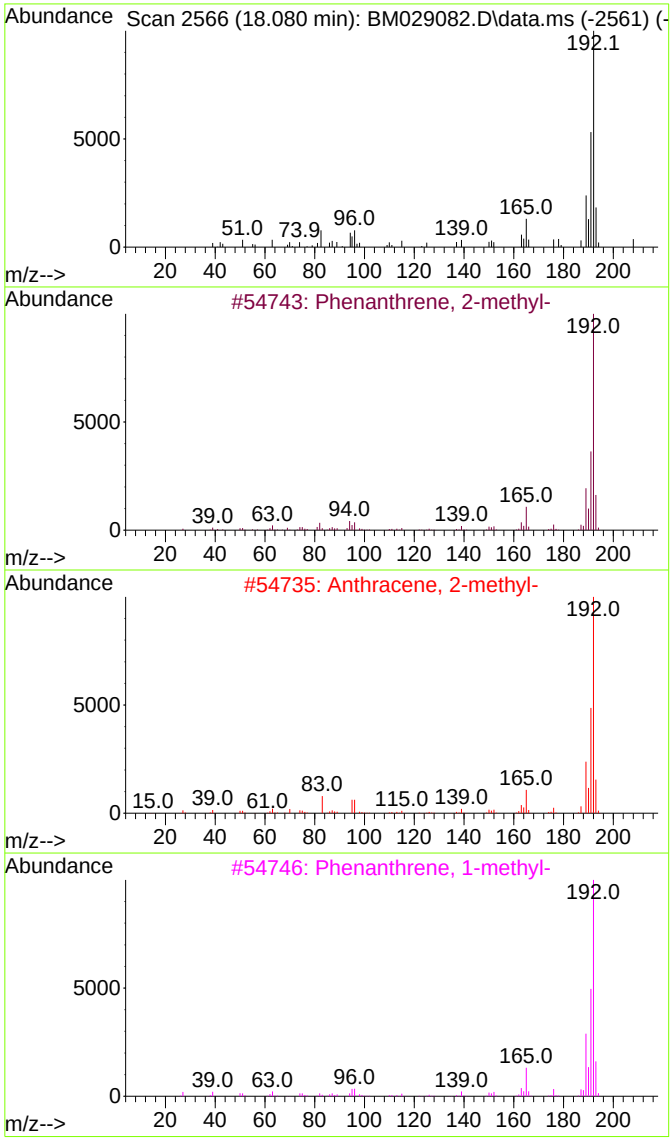
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

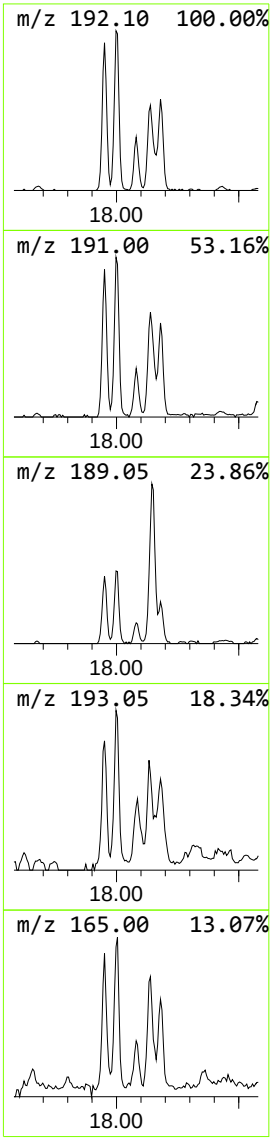
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	7.60 ng	41790	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Instrument : BNA_M
ClientSampleId : TR-05-030921

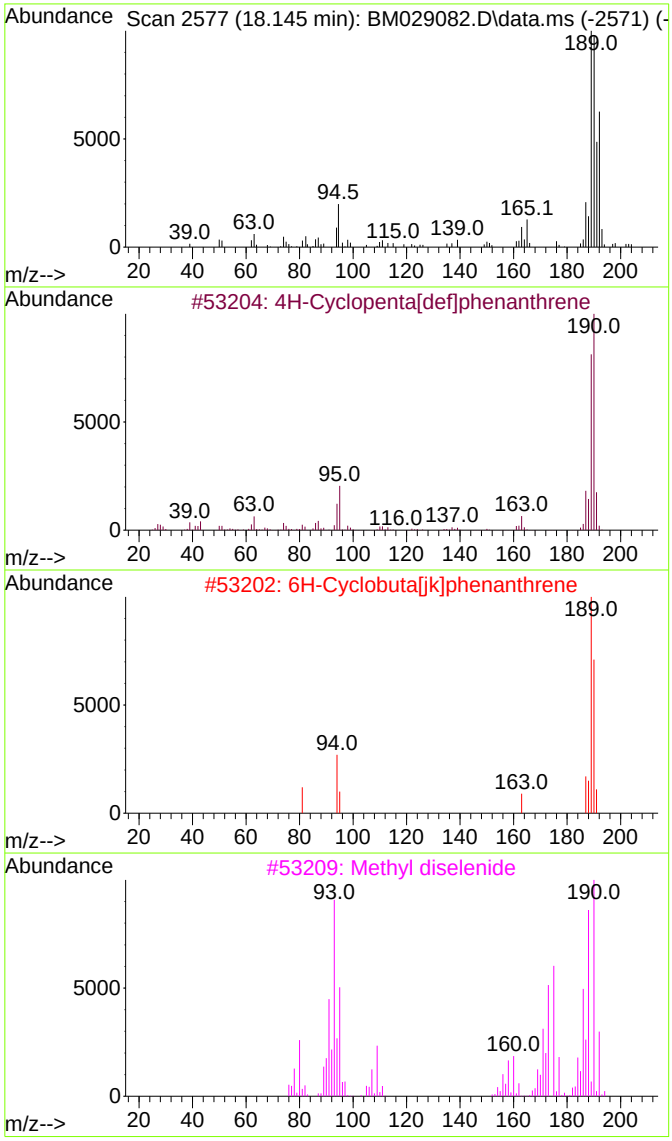
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

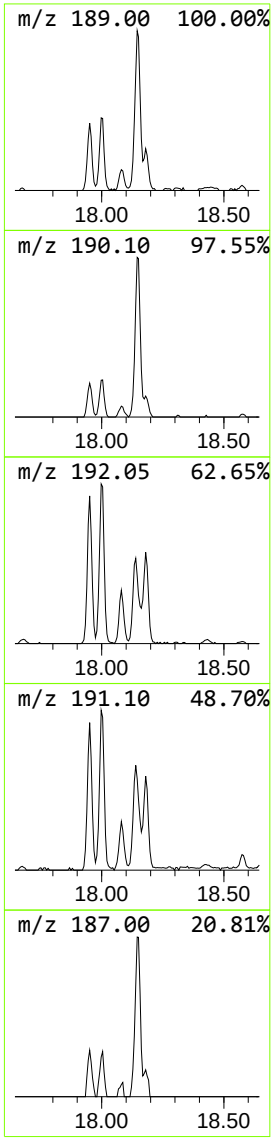
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	27.18 ng	149370	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

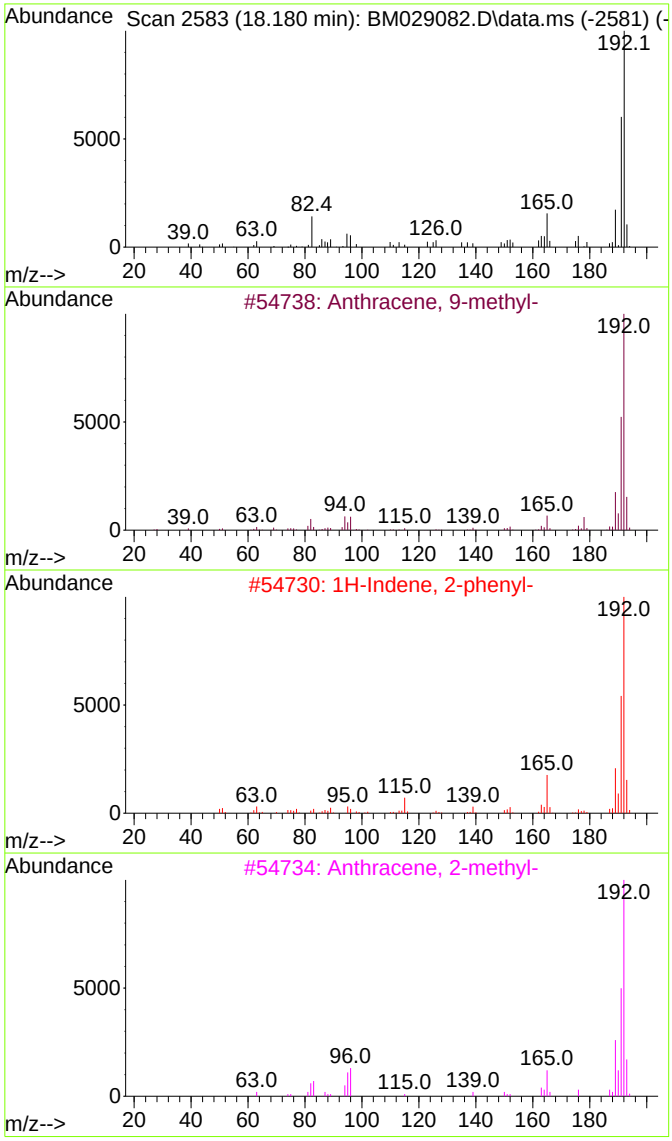
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

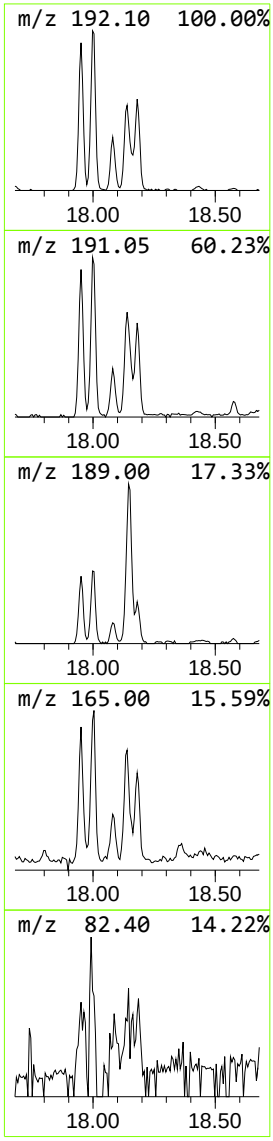
****

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	10.67 ng	58662	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80





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Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

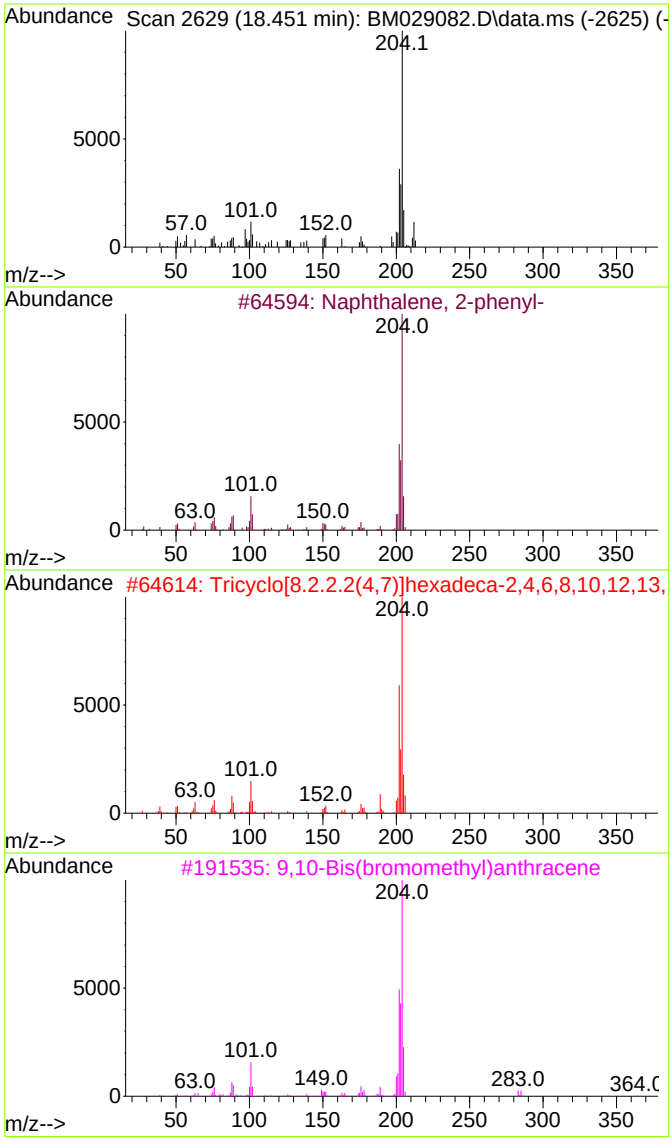
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

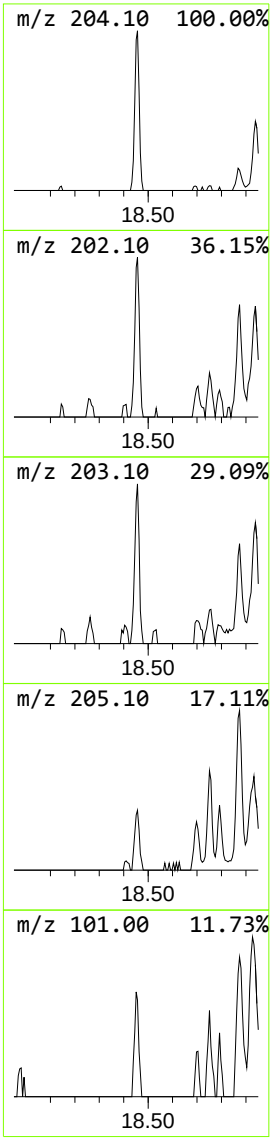
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.451	7.04 ng	38680	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

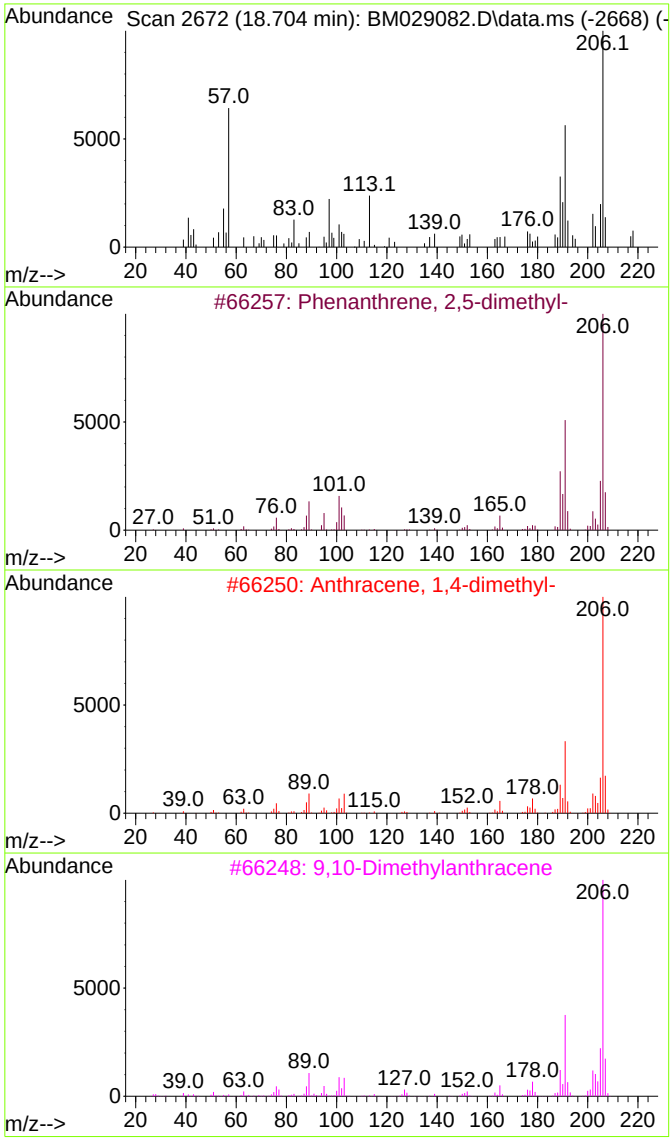
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

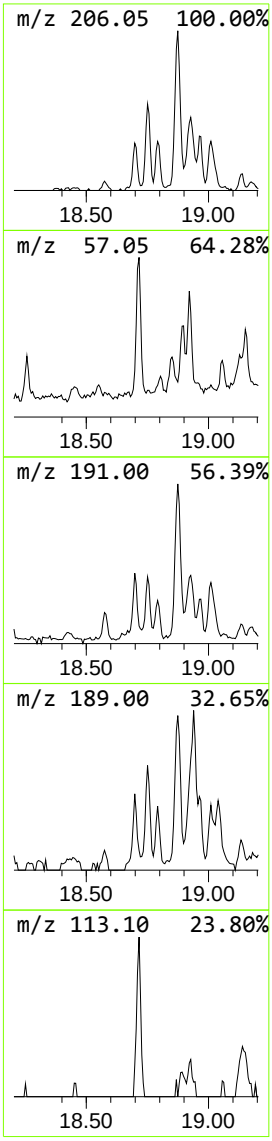
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.704	6.91 ng	37971	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
TR-05-030921

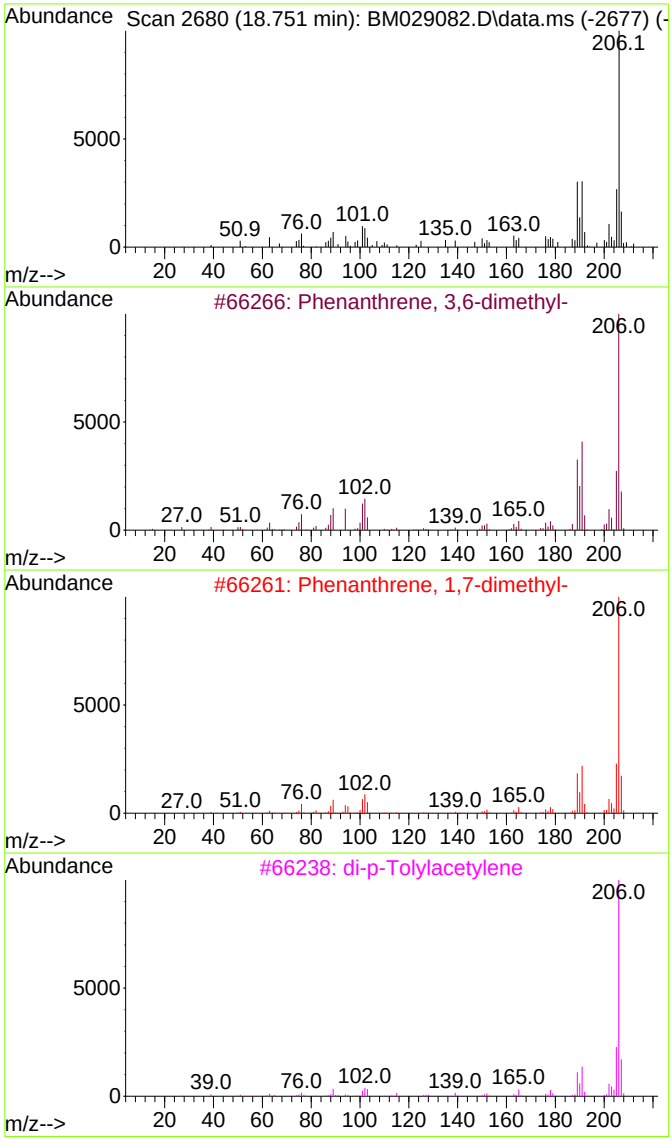
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

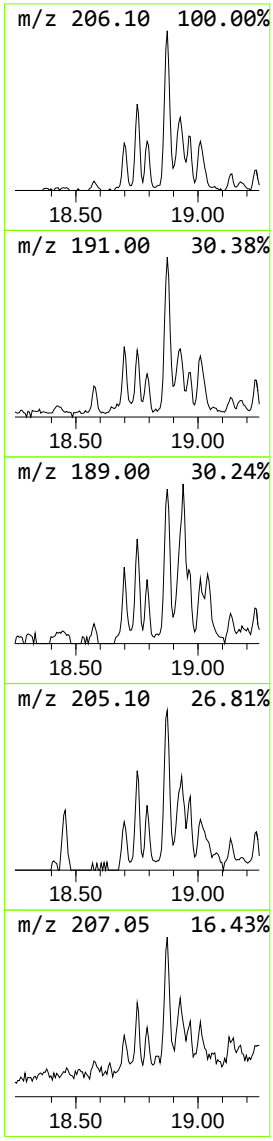
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	6.02 ng	33094	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
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Instrument : BNA_M
ClientSampleId : TR-05-030921

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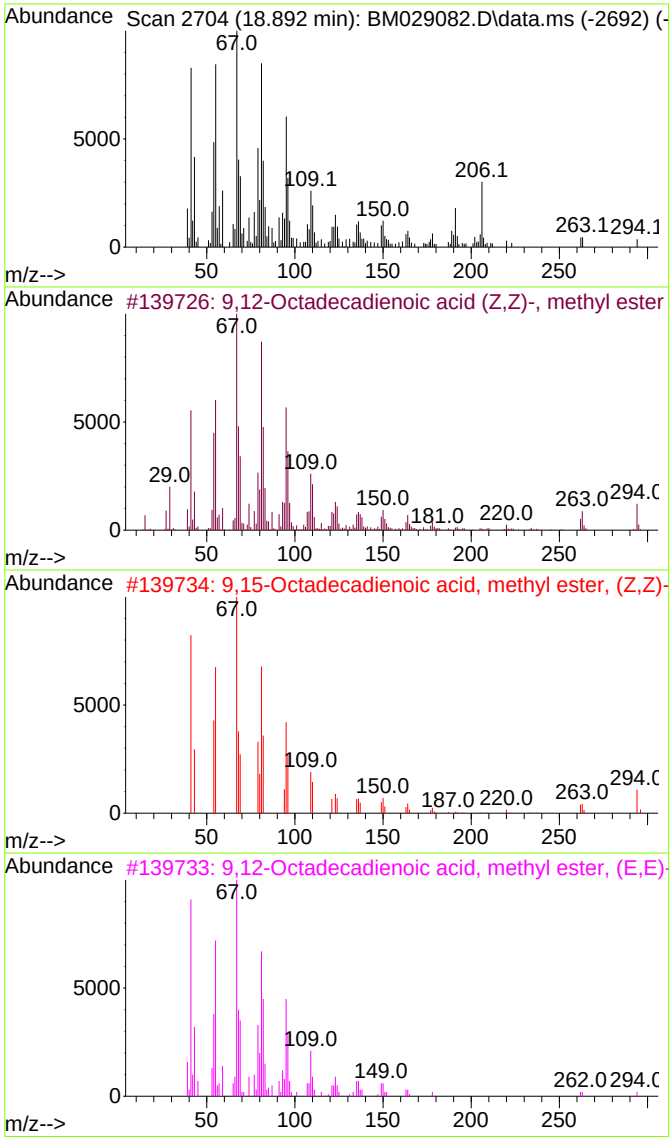
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

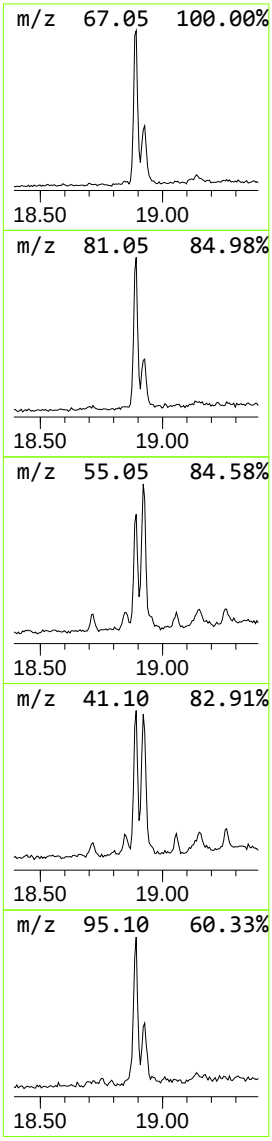
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.892	51.86 ng	285036	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	96
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	94
5	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	91





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ClientSampleId :
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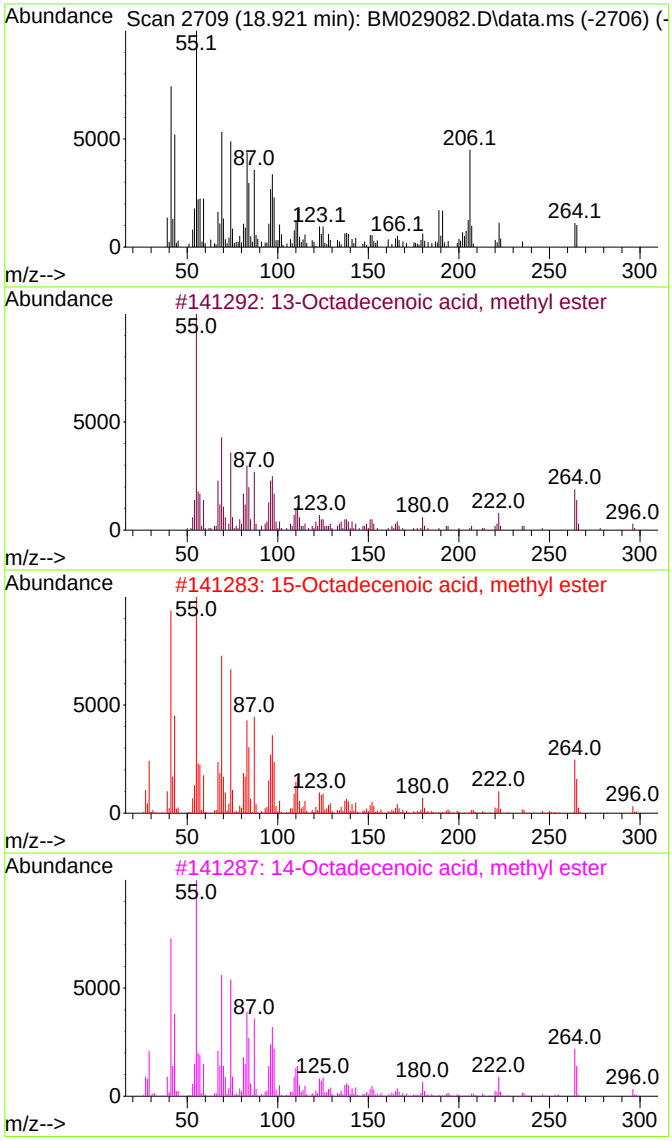
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

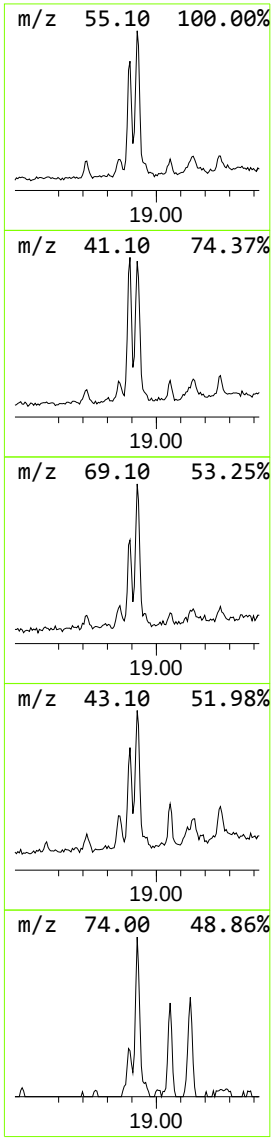
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.921	32.61 ng	179226	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	62
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	62
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	62
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	58
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	58





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

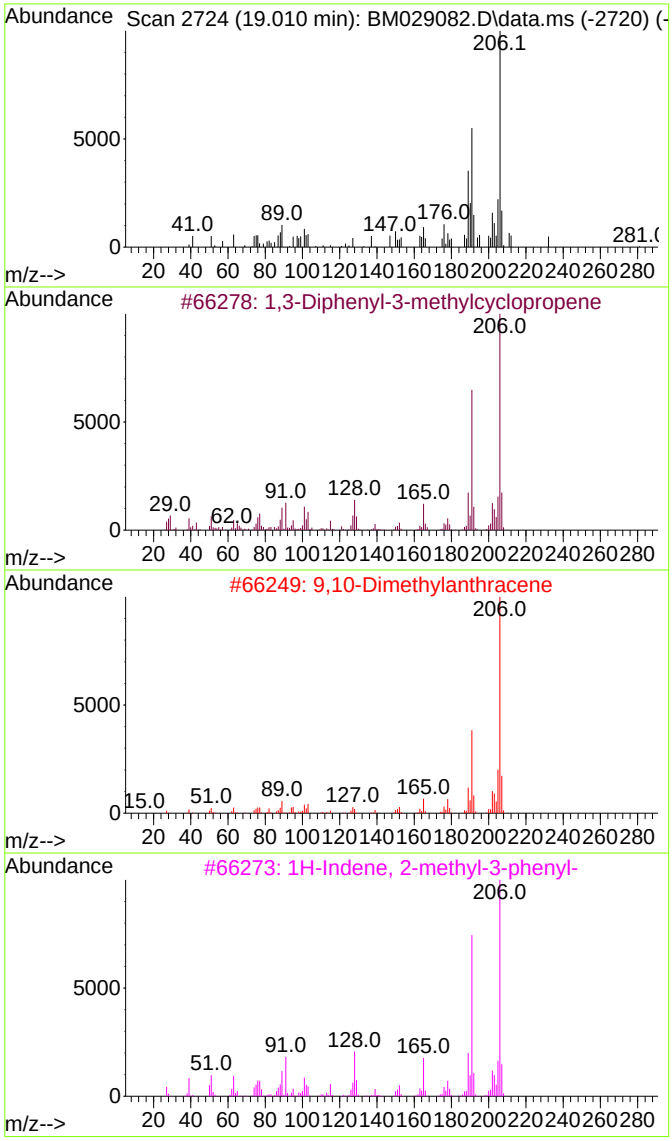
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

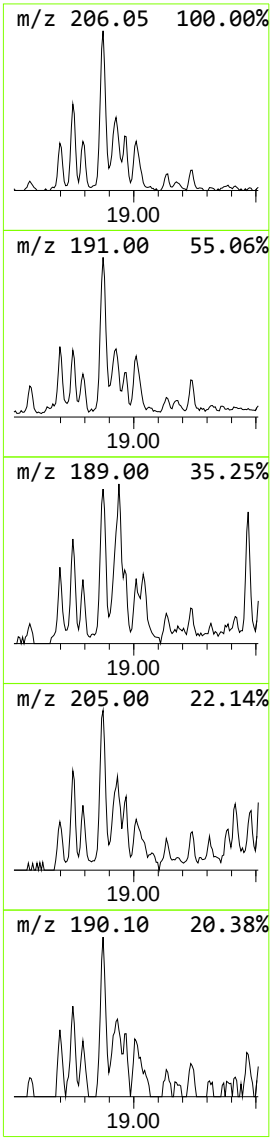
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,3-Diphenyl-3-methylcyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	7.61 ng	41848	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

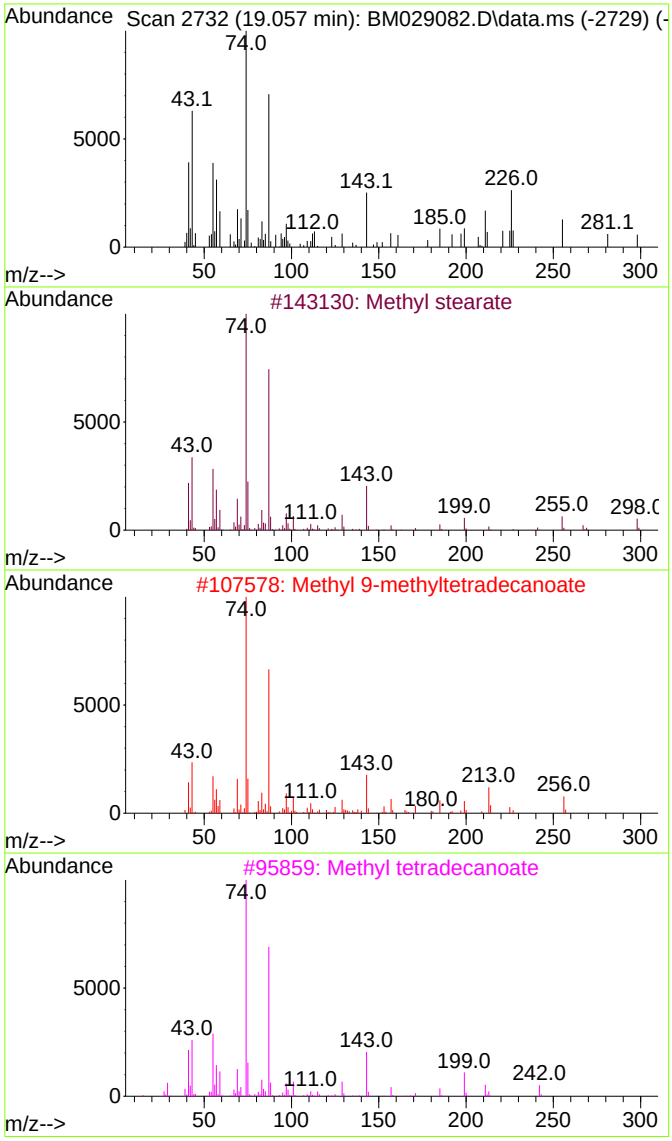
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

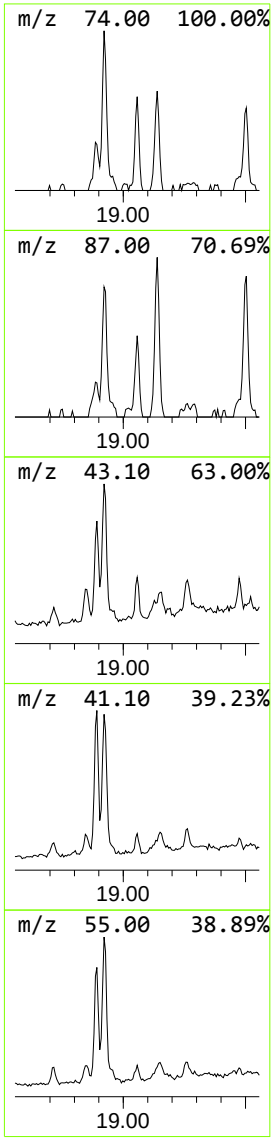
****

Peak Number 18 Methyl stearate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.057	6.17 ng	33915	Phenanthrene-d10	17.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	89
2	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	58
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	53
4	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	50
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	50





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Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

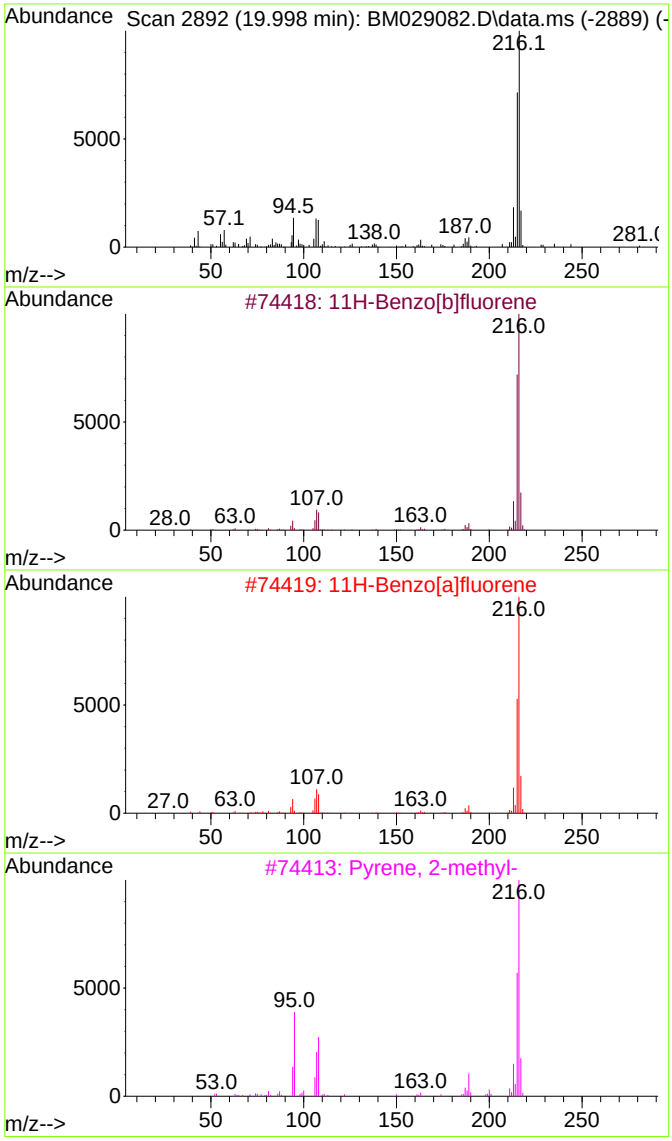
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

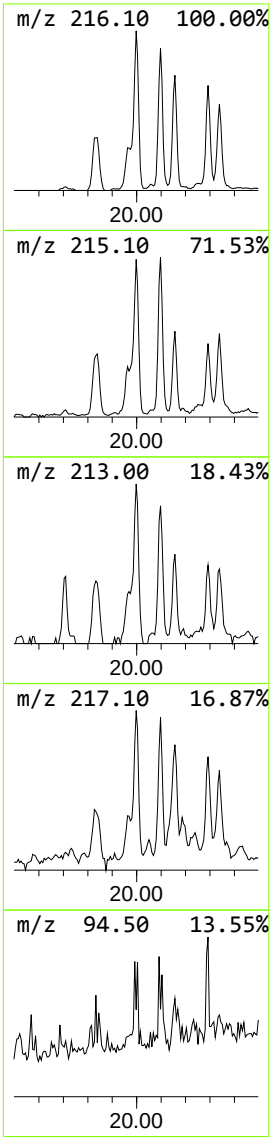
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.998	5.72 ng	103466	Chrysene-d12	21.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

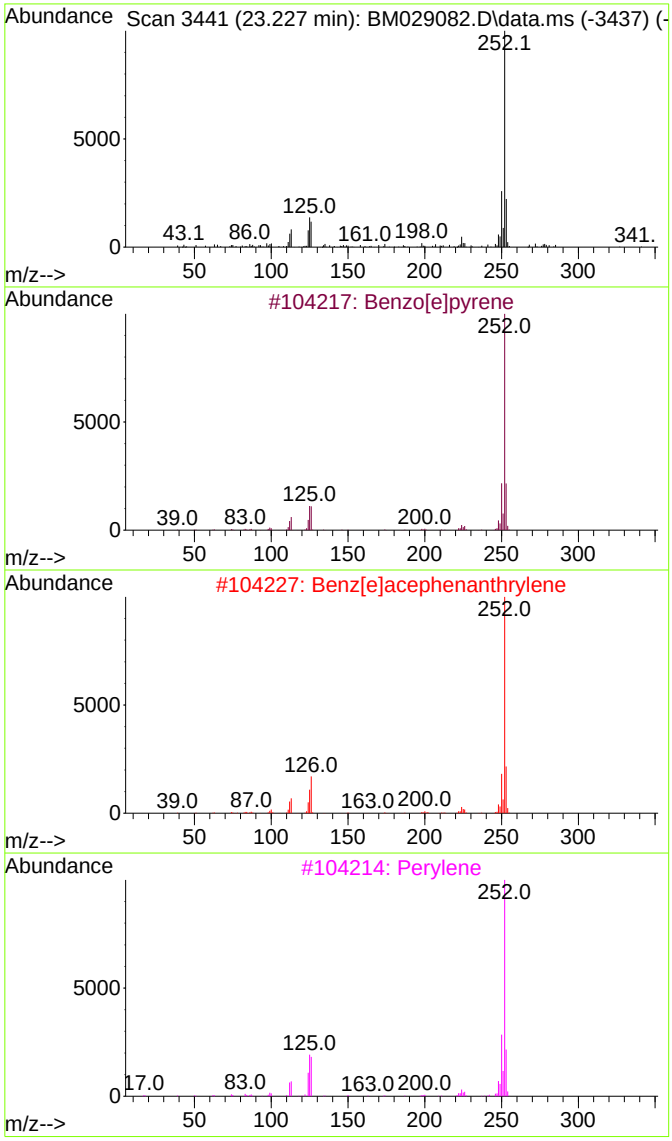
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

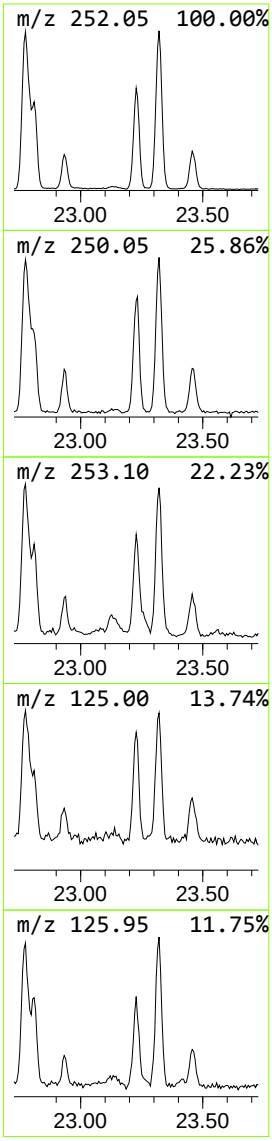
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.227	13.20 ng	80460	Perylene-d12	23.415

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TR-05-030921

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.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
2,4,7,9-Tetrame...	13.222	14.2	ng	71938	3	14.333	101238	20.0
Naphthalene, 2,...	13.651	8.5	ng	43054	3	14.333	101238	20.0
unknown15.463	15.463	5.0	ng	25577	3	14.333	101238	20.0
9H-Fluorene, 1-...	16.386	6.8	ng	37276	4	17.080	109920	20.0
Dibenzothiophene	16.898	5.7	ng	31133	4	17.080	109920	20.0
Hexadecanoic ac...	17.745	7.0	ng	38419	4	17.080	109920	20.0
Phenanthrene, 2...	17.951	18.2	ng	99962	4	17.080	109920	20.0
Phenanthrene, 1...	17.998	22.5	ng	123486	4	17.080	109920	20.0
Anthracene, 2-m...	18.080	7.6	ng	41790	4	17.080	109920	20.0
4H-Cyclopenta[d...	18.145	27.2	ng	149370	4	17.080	109920	20.0
Anthracene, 9-m...	18.180	10.7	ng	58662	4	17.080	109920	20.0
Naphthalene, 2-...	18.451	7.0	ng	38680	4	17.080	109920	20.0
Phenanthrene, 2...	18.704	6.9	ng	37971	4	17.080	109920	20.0
Phenanthrene, 3...	18.751	6.0	ng	33094	4	17.080	109920	20.0
9,12-Octadecadi...	18.892	51.9	ng	285036	4	17.080	109920	20.0
13-Octadecenoic...	18.921	32.6	ng	179226	4	17.080	109920	20.0
1,3-Diphenyl-3-...	19.010	7.6	ng	41848	4	17.080	109920	20.0
Methyl stearate	19.057	6.2	ng	33915	4	17.080	109920	20.0
11H-Benzo[b]flu...	19.998	5.7	ng	103466	5	21.256	361644	20.0
Benzo[e]pyrene	23.227	13.2	ng	80460	6	23.415	121907	20.0