LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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: BM029641.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.775	317	321	329	rVB	40081	58339	1.32%	0.116%
2	5.222	391	397	406	rBV	1098649	1552928	35.24%	3.078%
3	6.804	656	666	682	rBV	1044878	1656477	37.59%	3.283%
4	7.622	798	805	815	rBV	316090	498676	11.32%	0.988%
5	7.763	821	829	838	rVB	67934	108264	2.46%	0.215%
6	8.775	995	1001	1011	rBV	653345	1095924	24.87%	2.172%
7	10.404	1270	1278	1283	rBV	369917	628061	14.25%	1.245%
8	10.451	1283	1286	1294	rVB	46077	73000	1.66%	0.145%
9	12.886	1691	1700	1717	rBV	1753798	2525867	57.32%	5.007%
10	13.592	1811	1820	1824	rBV	27845	49983	1.13%	0.099%
11	13.727	1838	1843	1854	rVB	59665	98422	2.23%	0.195%
12	13.992	1881	1888	1893	rBV	28361	45046	1.02%	0.089%
13	14.268	1928	1935	1941	rBV	584614	875942	19.88%	1.736%
14	14.333	1941	1946	1954	rVB	68839	108022	2.45%	0.214%
15	14.668	1998	2003	2012	rVB	50574	82829	1.88%	0.164%
16	15.321	2107	2114	2118	rBV	130839	197669	4.49%	0.392%
17	15.615	2159	2164	2172	rVB	42643	69695	1.58%	0.138%
18	15.762	2181	2189	2199	rBV	1499781	2091155	47.46%	4.145%
19	15.998	2224	2229	2236	rBV6	29233	48770	1.11%	0.097%
20	16.327	2275	2285	2289	rBV3	41309	93045	2.11%	0.184%
21	16.674	2339	2344	2350	rVB2	45084	75425	1.71%	0.150%
22	16.751	2352	2357	2362	rVV4	30323	69177	1.57%	0.137%
23	16.833	2366	2371	2382	rVB	106658	172933	3.92%	0.343%
24	17.015	2395	2402	2405	rBV	690547	1025801	23.28%	2.033%
25	17.056	2405	2409	2416	rVV	2266601	3005582	68.21%	5.958%
26	17.145	2419	2424	2429	rVV	448998	640671	14.54%	1.270%
27	17.204	2430	2434	2440	rVB3	32856	60921	1.38%	0.121%
28	17.421	2466	2471	2475	rBV	56517	79604	1.81%	0.158%
29	17.533	2486	2490	2496	rVV2	36207	54267	1.23%	0.108%
30	17.592	2496	2500	2508	rVB3	44817	69745	1.58%	0.138%
31	17.886	2545	2550	2553	rBV	216291	304681	6.91%	0.604%
32	17.927	2553	2557	2565	rVV2	413269	791029	17.95%	1.568%
33	18.015	2568	2572	2577	rVV	109077	170618	3.87%	0.338%
34	18.080	2577	2583	2587	rVV2	352006	636483	14.44%	1.262%
35	18.121	2587	2590	2597	rVB	148631	204556	4.64%	0.405%
36	18.392	2632	2636	2640	rBV	162617	214149	4.86%	0.424%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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	18.433	2640	2643	2650	rVB4	111044	171817	3.90%	0.341%
38	18.639	2675	2678	2682	rVB	56277	68299	1.55%	0.135%
39	18.692	2683	2687	2690	rVV	50721	66883	1.52%	0.133%
40	18.727	2690	2693	2697	rVB	44954	54219	1.23%	0.107%
41	18.809	2703	2707	2712	rBV	112844	181830	4.13%	0.360%
42	18.874	2712	2718	2721	rVV4	55721	117431	2.67%	0.233%
43	18.950	2727	2731	2739	rVB3	87362	156037	3.54%	0.309%
44	19.033	2741	2745	2747	rBV3	47800	62800	1.43%	0.124%
45	19.074	2747	2752	2759	rVV	3334685	4406354	100.00%	8.734%
46	19.139	2759	2763	2766	rVV2	78569	108115	2.45%	0.214%
47	19.174	2766	2769	2771	rVV2	43446	51386	1.17%	0.102%
48	19.209	2771	2775	2781	rVB5	84562	138414	3.14%	0.274%
49	19.321	2790	2794	2798	rBV	78866	101809	2.31%	0.202%
50	19.439	2804	2814	2822	rBV	2534665	4018707	91.20%	7.966%
51	19.509	2823	2826	2834	rVB2	108601	181703	4.12%	0.360%
52	19.645	2841	2849	2854	rBV	2723145	3552506	80.62%	7.042%
53	19.762	2864	2869	2870	rBV2	142310	200837	4.56%	0.398%
54	19.856	2882	2885	2888	rBV	87181	103151	2.34%	0.204%
55	19.897	2888	2892	2894	rVV5	85512	128061	2.91%	0.254%
56	19.933	2894	2898	2902	rVB2	374150	514420	11.67%	1.020%
57	20.033	2911	2915	2919	rBV	322389	421932	9.58%	0.836%
58	20.092	2920	2925	2929	rVV2	189169	287499	6.52%	0.570%
59	20.280	2953	2957	2961	rBV	98591	147861	3.36%	0.293%
60	20.680	3022	3025	3030	rVB	137951	176635	4.01%	0.350%
61	20.844	3050	3053	3057	rVV	160957	190833	4.33%	0.378%
62	20.886	3057	3060	3062	rVV	180910	198338	4.50%	0.393%
63	20.921	3062	3066	3071	rVV3	576330	811005	18.41%	1.608%
64	20.974	3073	3075	3086	rVB	183750	251500	5.71%	0.499%
65	21.186	3106	3111	3116	rBV3	1888338	3631955	82.43%	7.199%
66	21.233	3116	3119	3129	rVB	1276432	1681709	38.17%	3.333%
67	21.350	3136	3139	3144	rBV2	258322	373458	8.48%	0.740%
68	21.509	3162	3166	3171	rVB2	140332	213034	4.83%	0.422%
69	21.791	3211	3214	3221	rVB3	198853	313827	7.12%	0.622%
70	22.733	3369	3374	3379	rBV	1149538	2457100	55.76%	4.870%
71	23.197	3449	3453	3461	rVB	599614	1145944	26.01%	2.271%
72	23.291	3464	3469	3477	rVB	992753	1746173	39.63%	3.461%
73	23.385	3480	3485	3490	rBV	657852	1148002	26.05%	2.276%
74	25.579	3852	3858	3871	rVB3	453667	1333689	30.27%	2.644%

Sum of corrected areas: 50449029

Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

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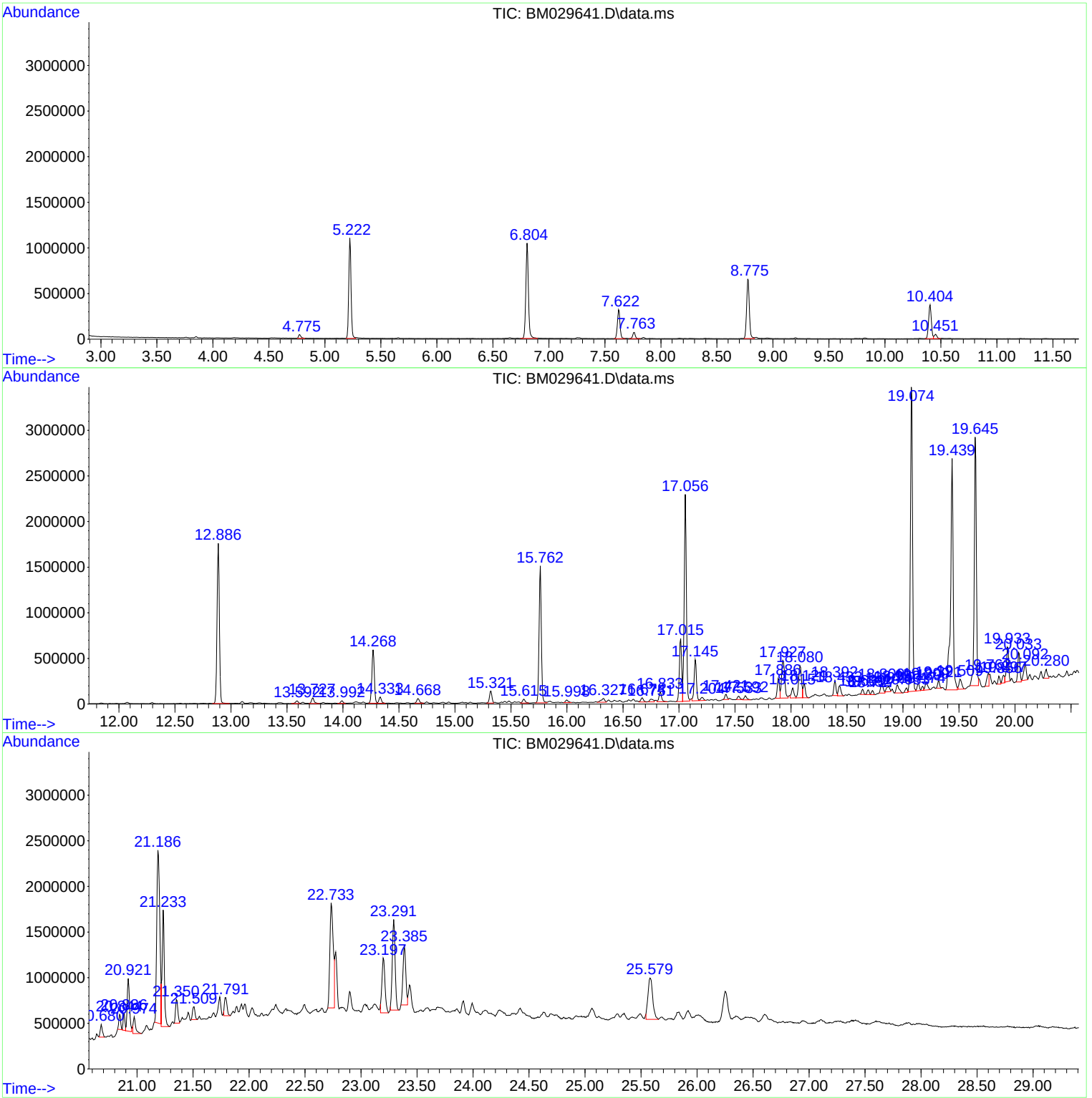
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

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



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Operator : CG/JU
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SB-38-0-2.0

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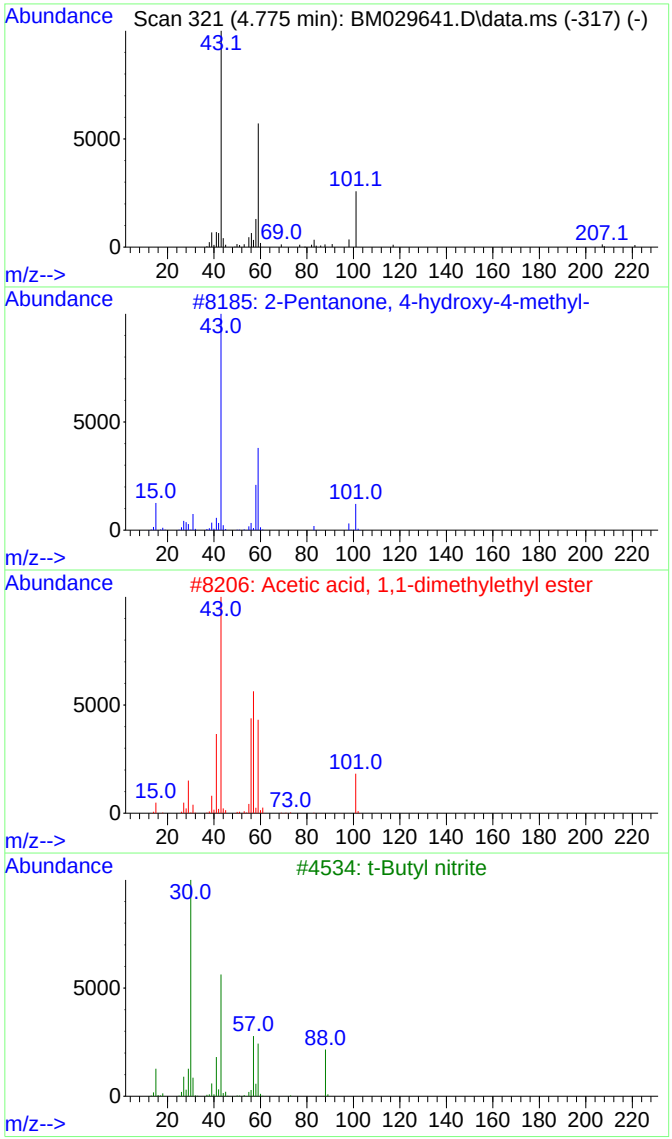
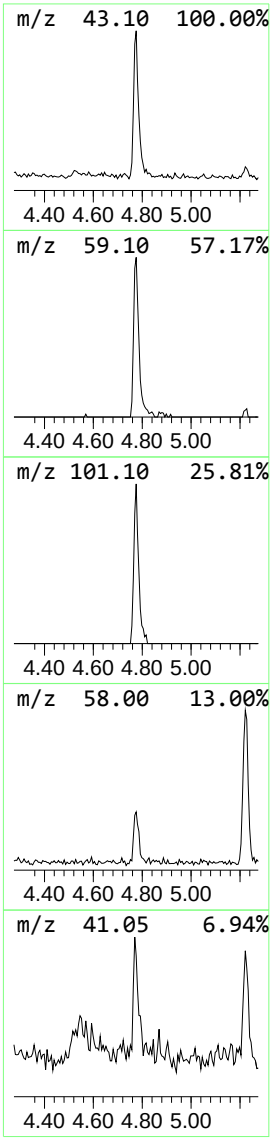
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.775	2.34 ng	58339	1,4-Dichlorobenzene-d4	7.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	t-Butyl nitrite	103	C4H9NO2	000540-80-7	38
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

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
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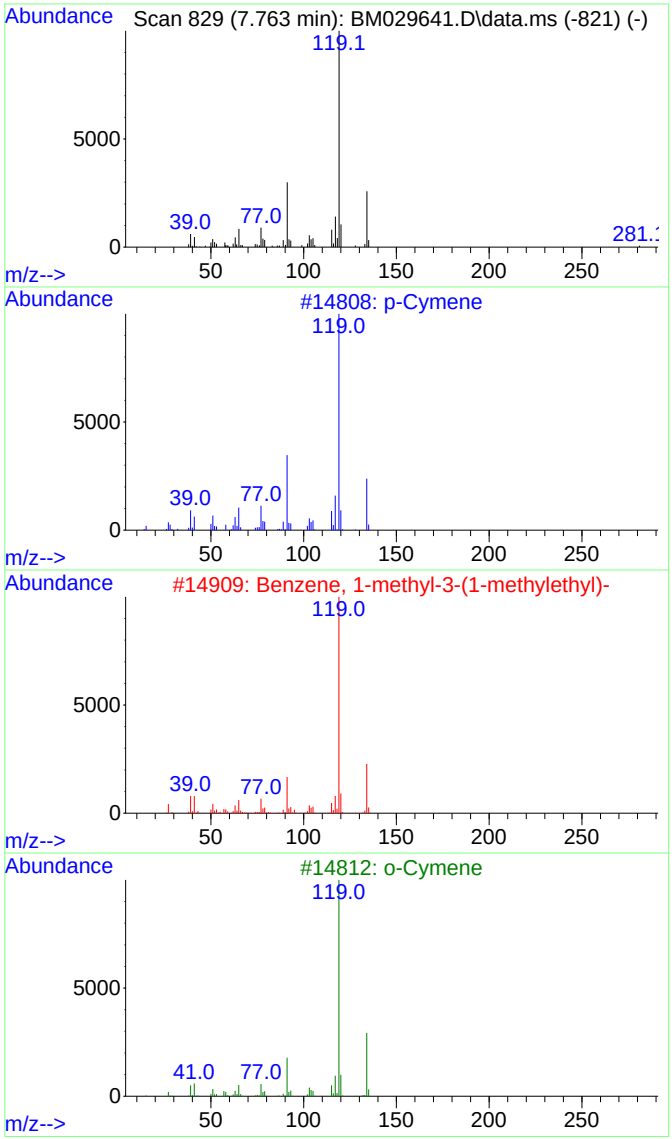
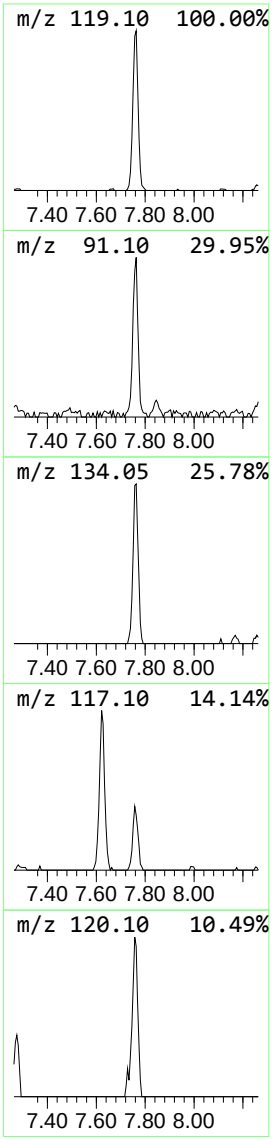
****

Peak Number 2 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.763	4.34 ng	108264	1,4-Dichlorobenzene-d4	7.622

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
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Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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

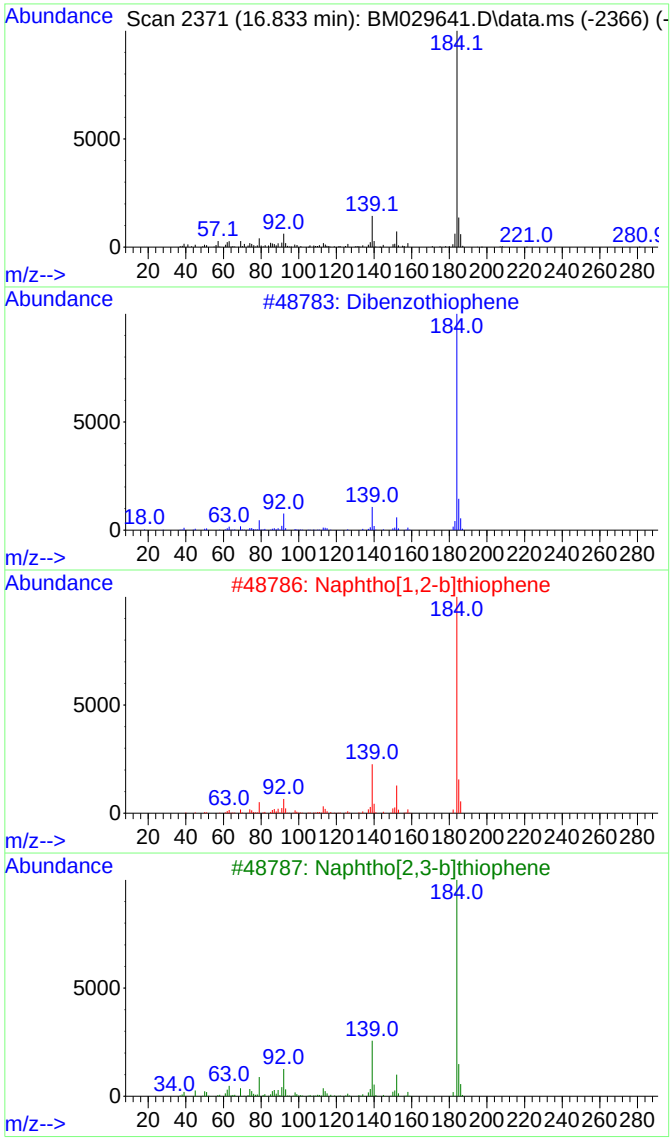
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

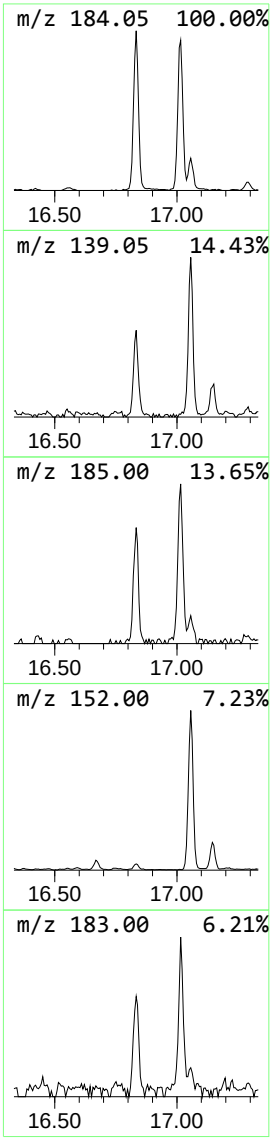
****

Peak Number 3 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	3.37 ng	172933	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Data File : BM029641.D
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Instrument :
BNA_M
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SB-38-0-2.0

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
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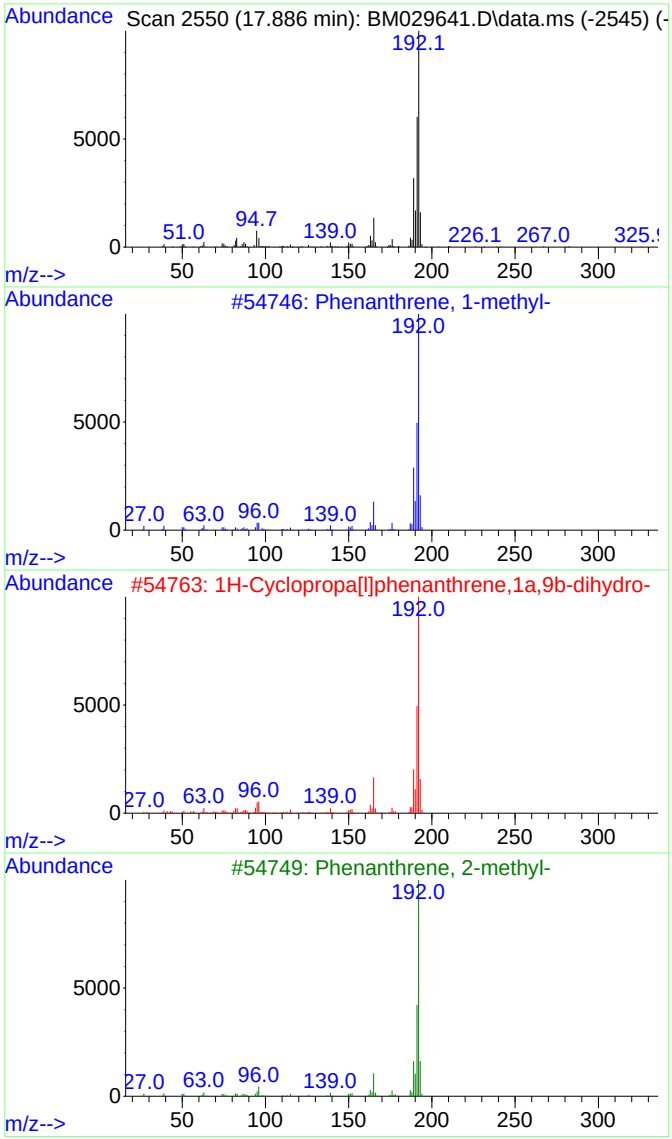
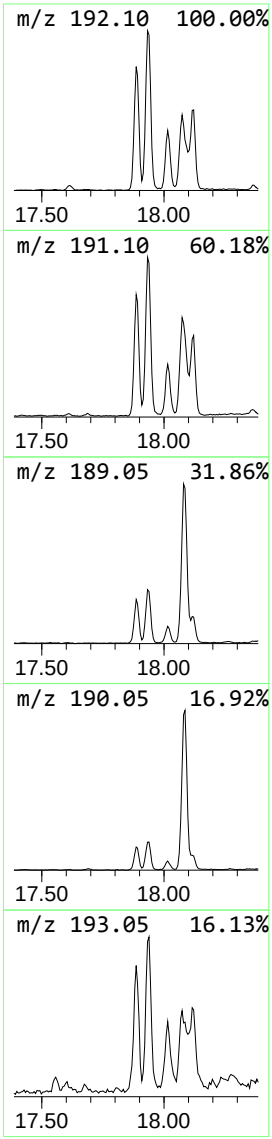
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	5.94 ng	304681	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Data File : BM029641.D
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Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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

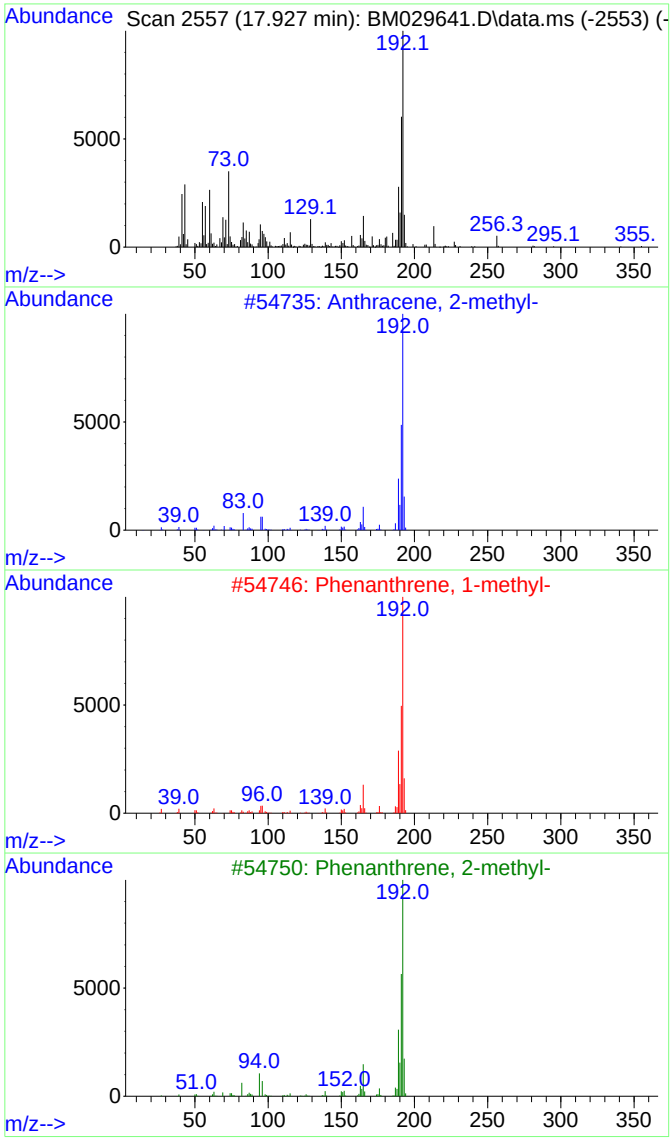
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

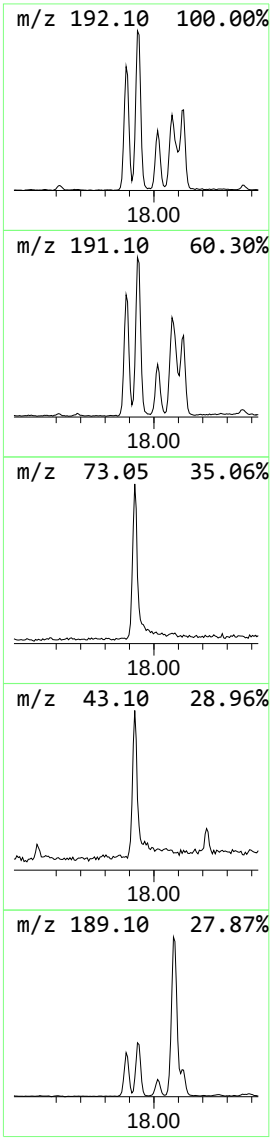
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.927	15.42 ng	791029	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
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Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

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

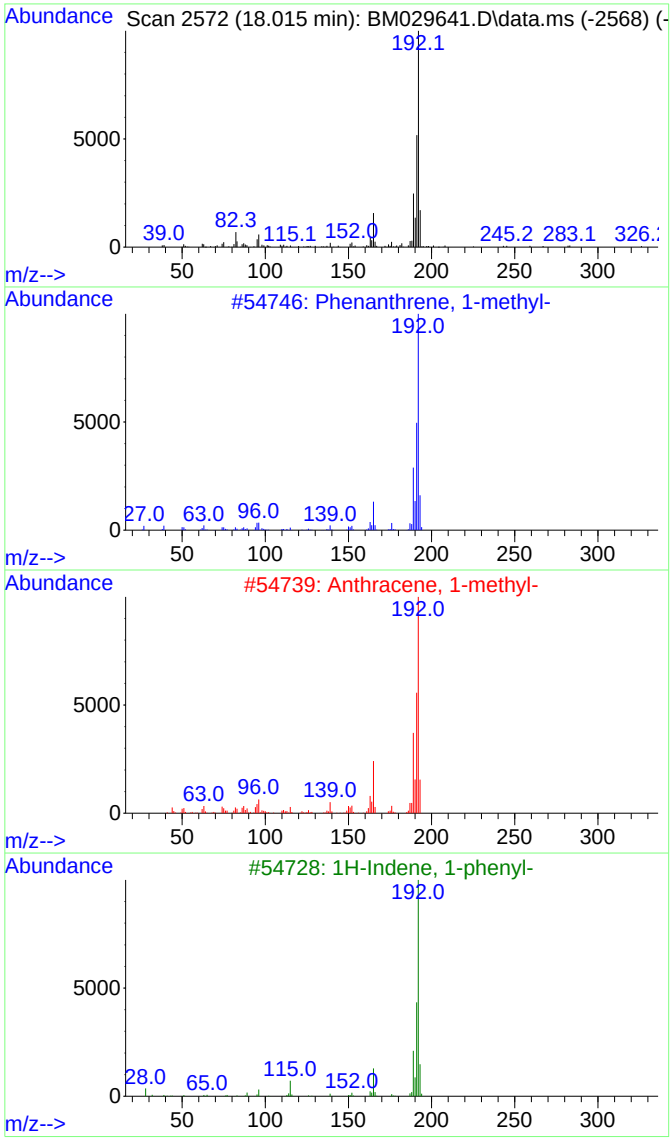
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

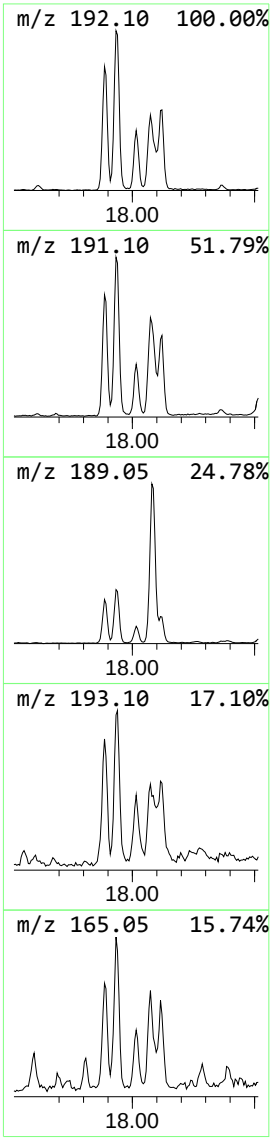
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	3.33 ng	170618	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

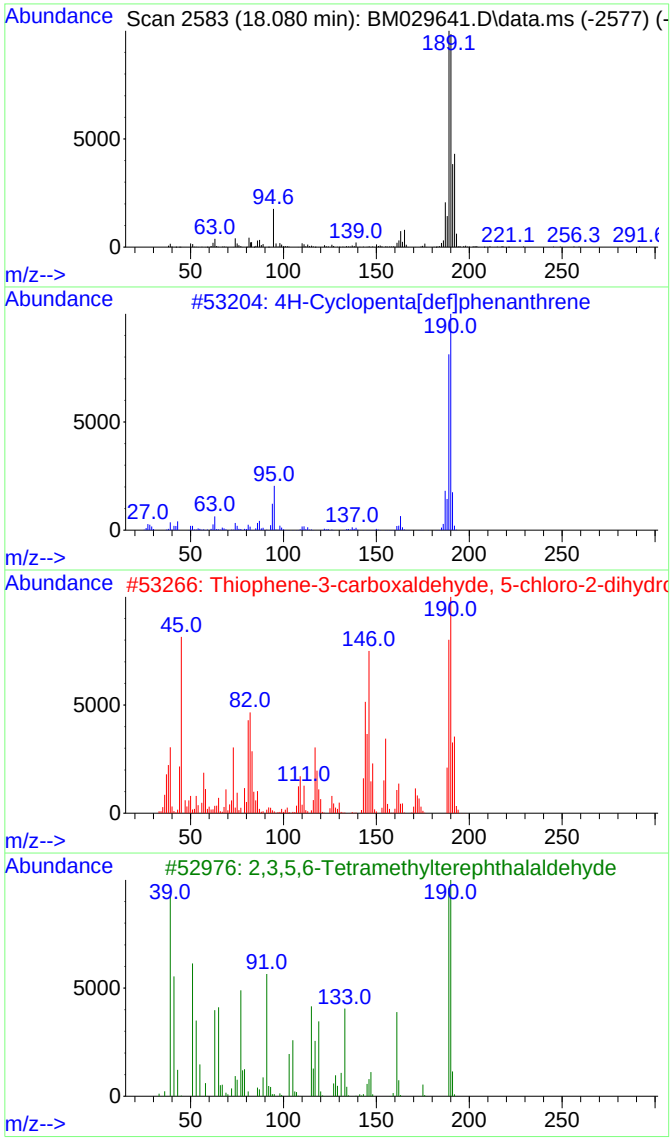
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

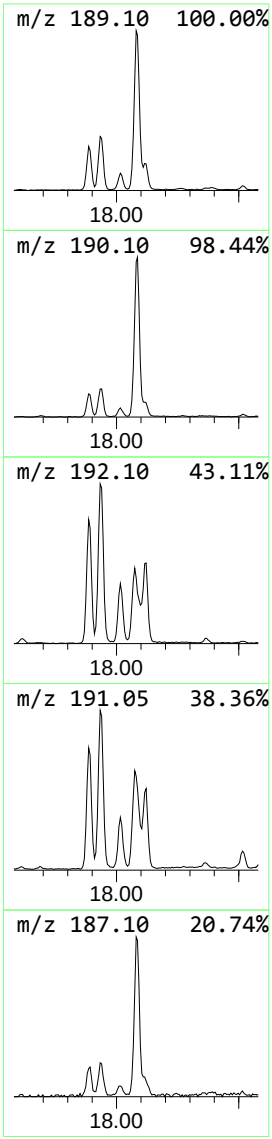
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	12.41 ng	636483	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1-Aminocyclopentanecarboxylic ac...	297	C11H17Cl2NO4	1000329-17-6	25





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Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

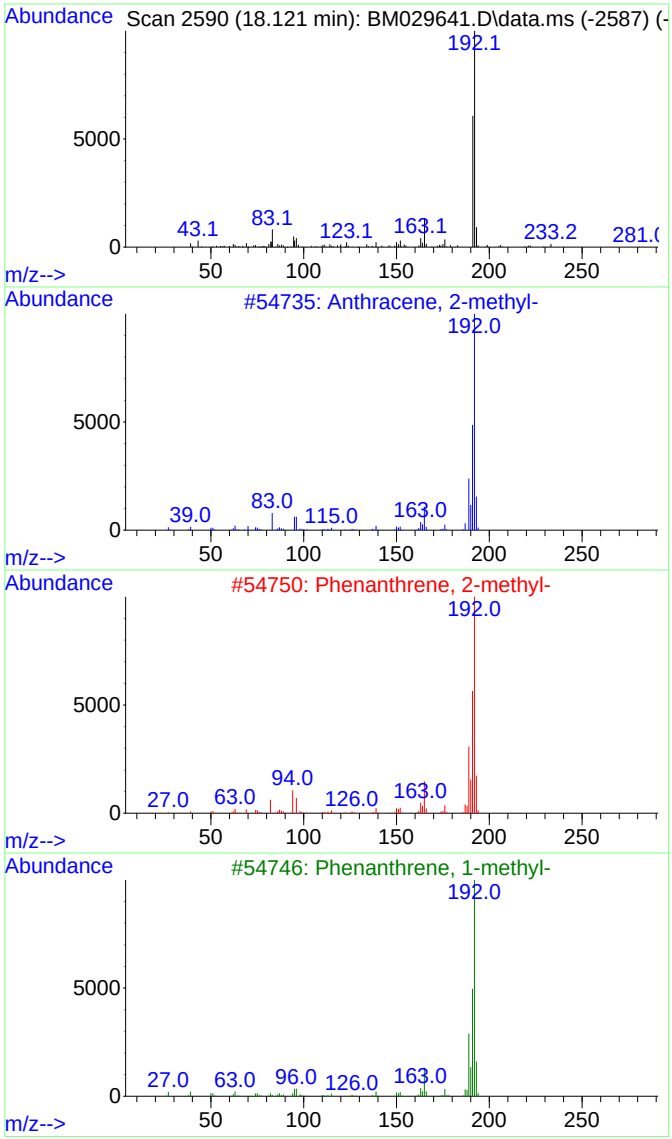
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

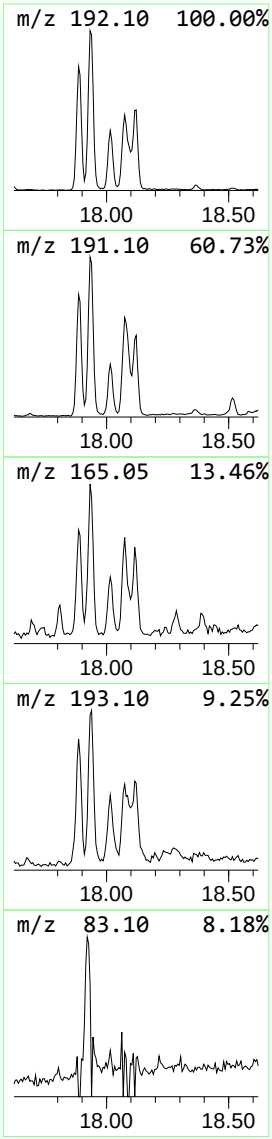
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	3.99 ng	204556	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83





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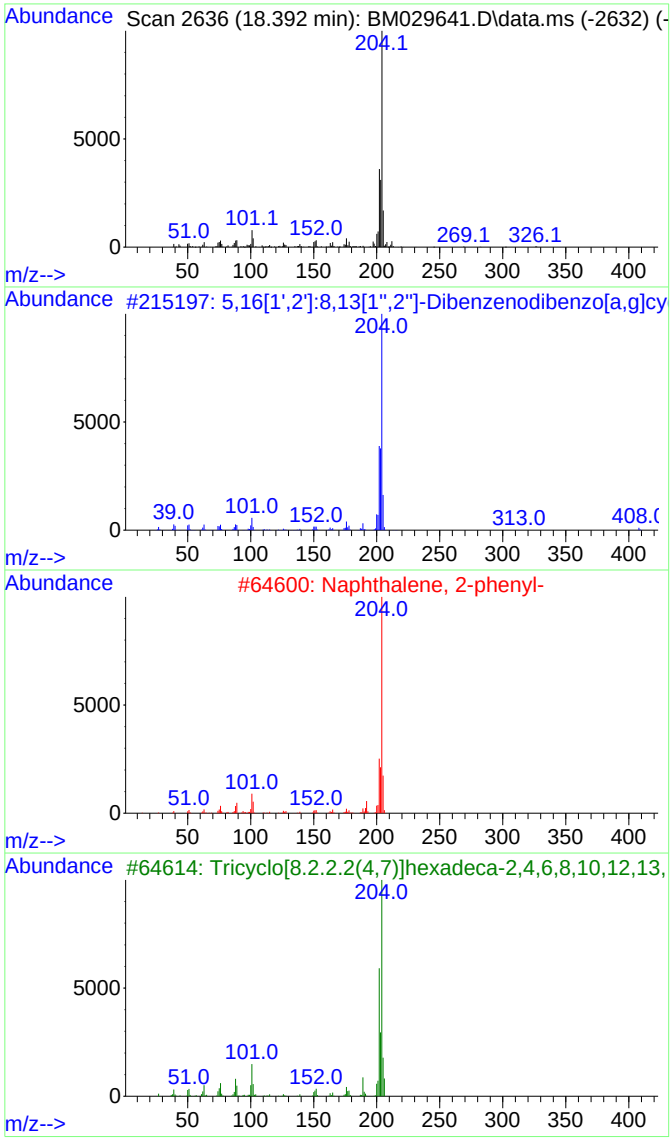
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

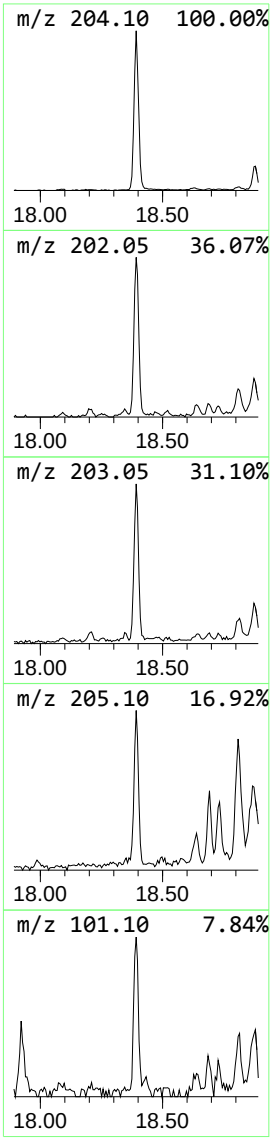
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	4.18 ng	214149	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	56





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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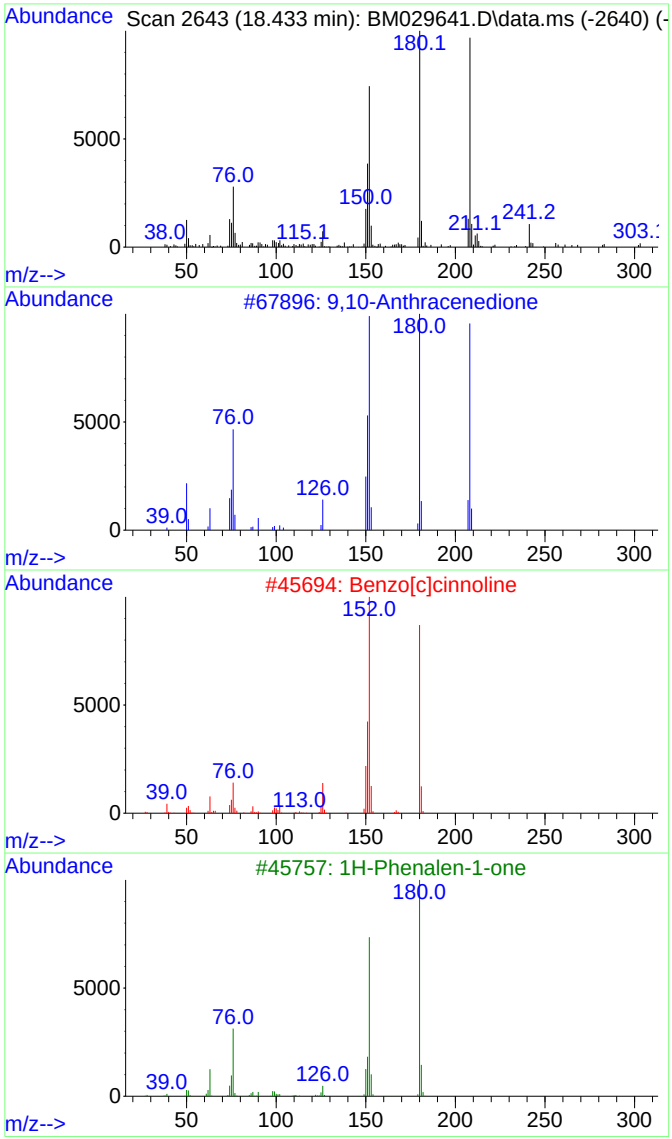
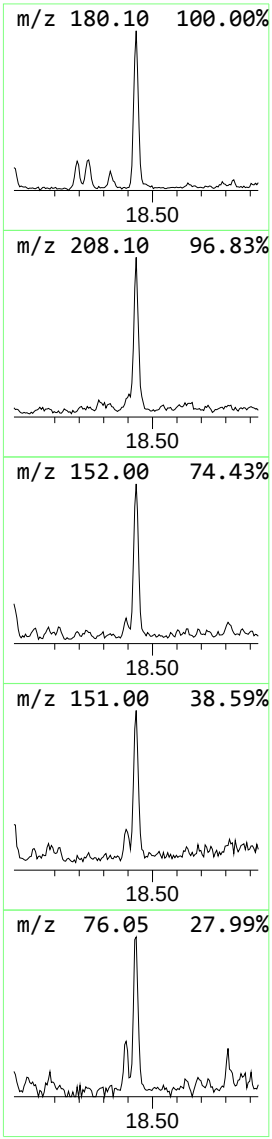
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.433	3.35 ng	171817	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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ClientSampleId :
SB-38-0-2.0

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

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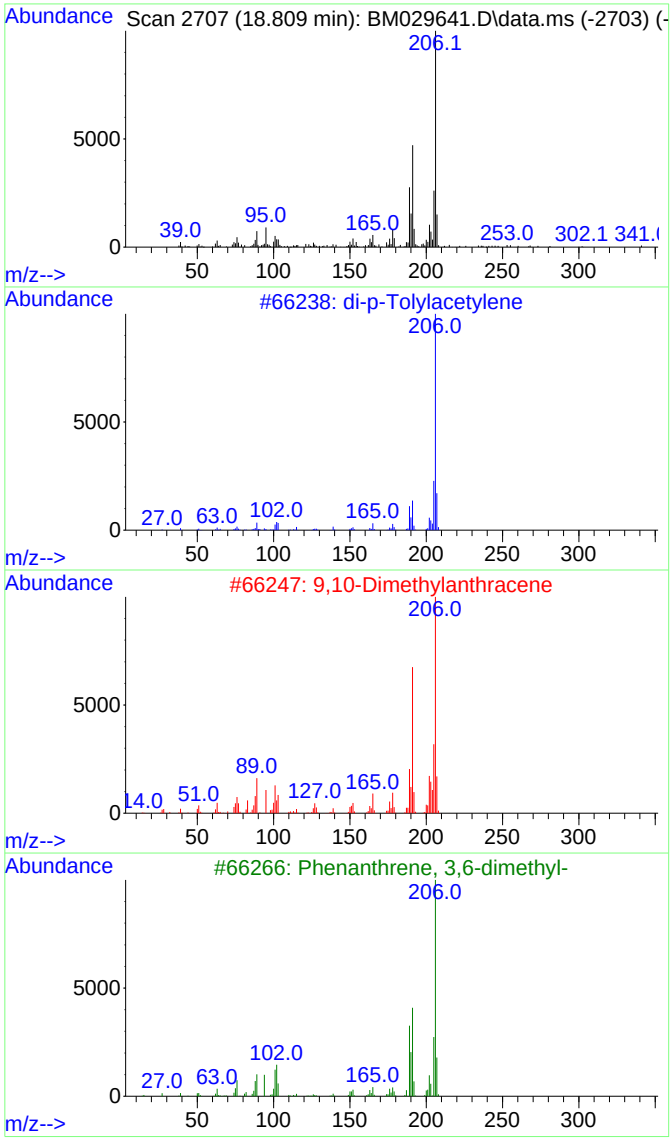
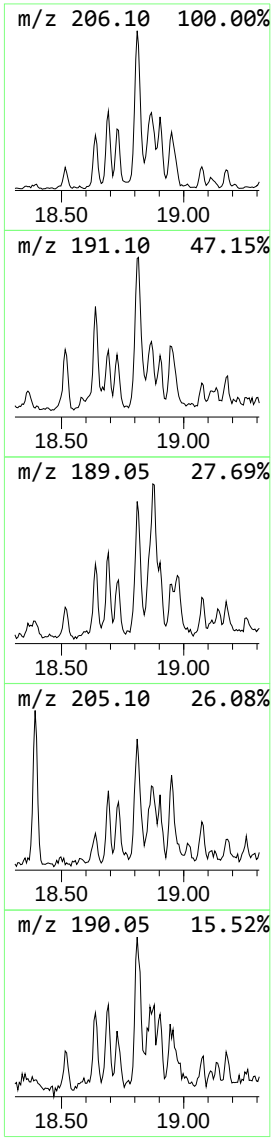
Peak Number 11 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.809	3.55 ng	181830	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





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

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

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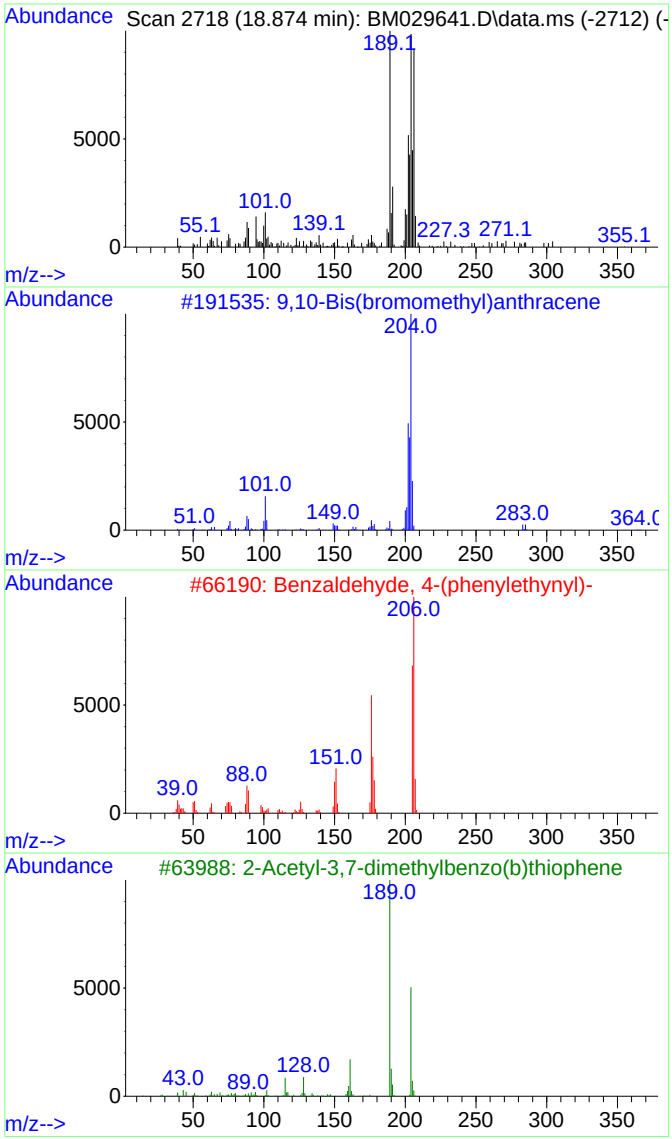
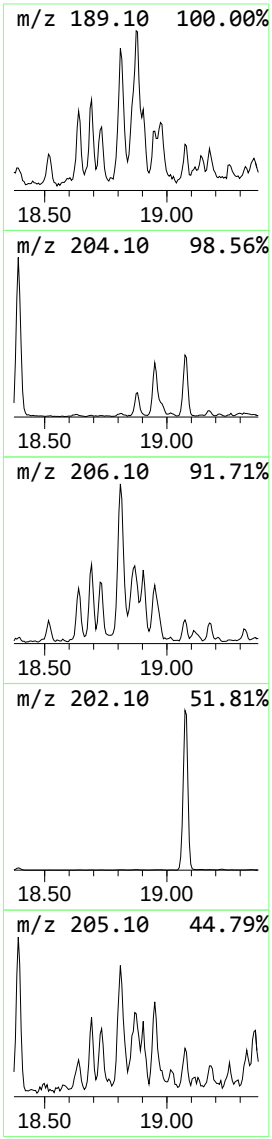
Peak Number 12 unknown18.874 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.874	2.29 ng	117431	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
2	Benzaldehyde, 4-(phenylethynyl)-	206	C15H10O	057341-98-7	35
3	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	30
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30





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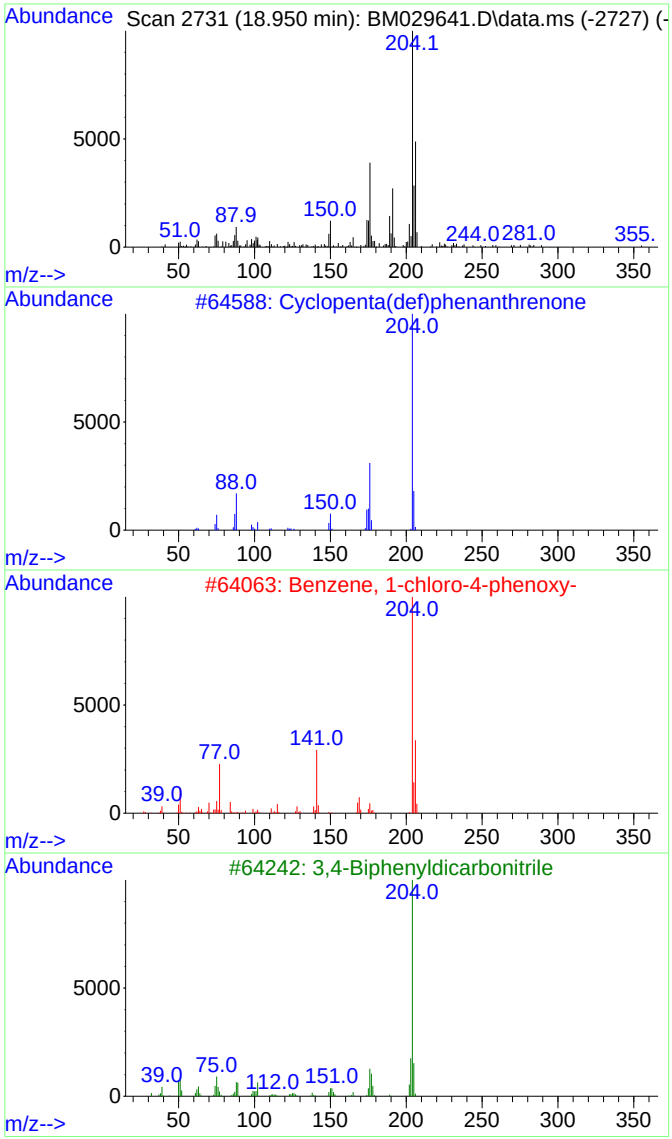
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

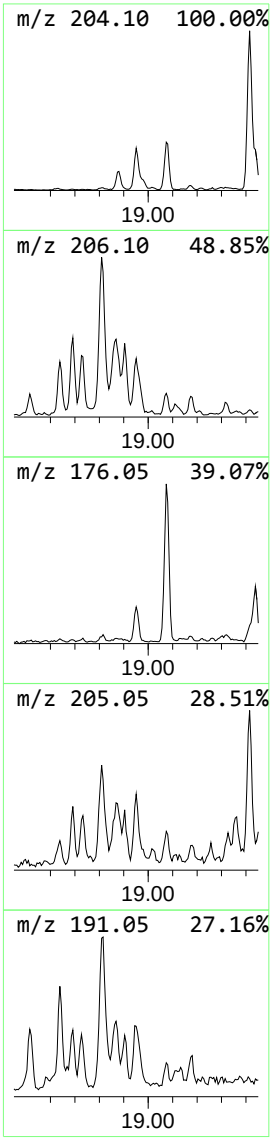
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	3.04 ng	156037	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	38





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Misc :
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Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

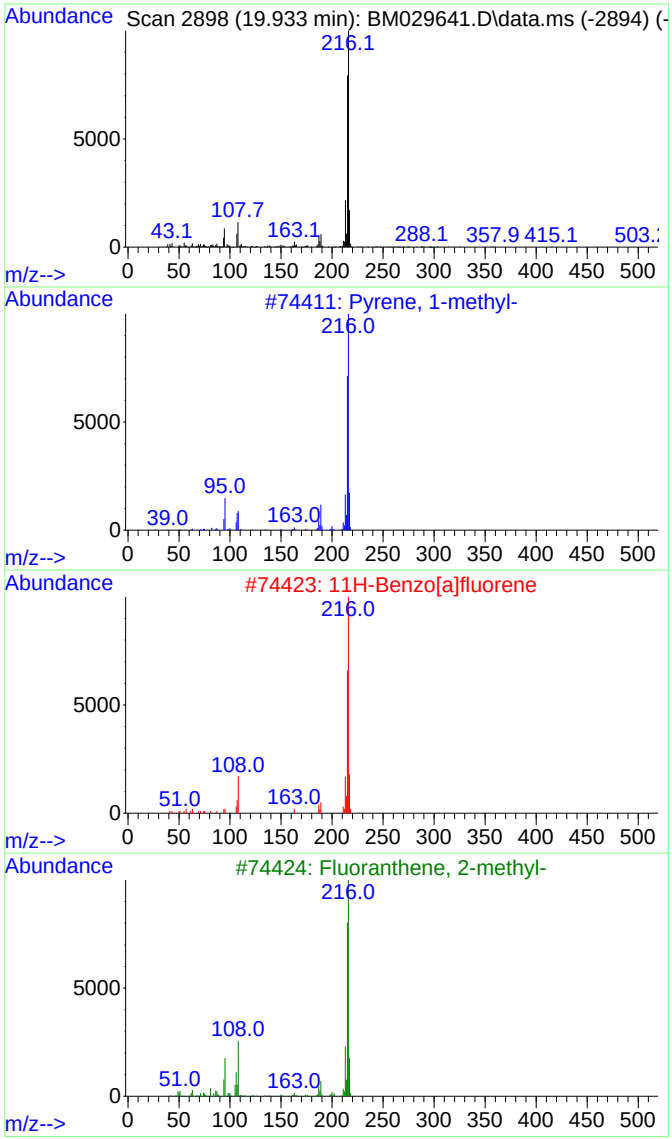
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

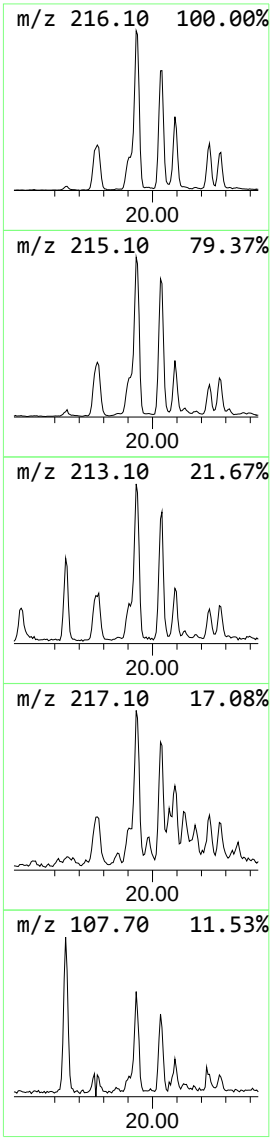
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.933	2.83 ng	514420	Chrysene-d12	21.197

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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

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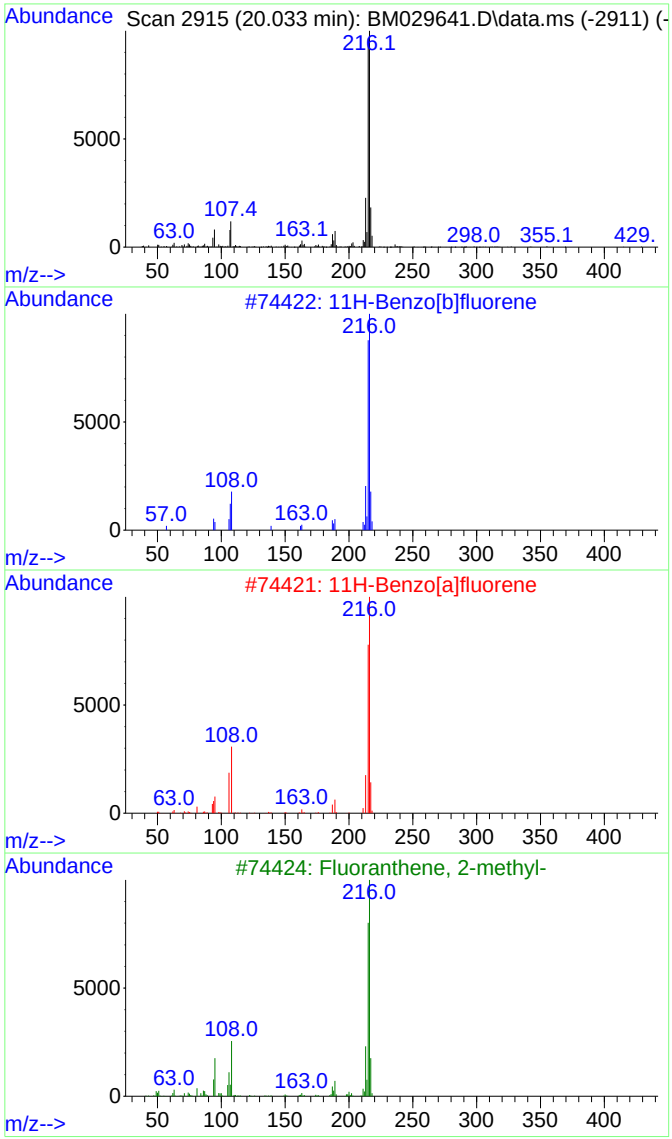
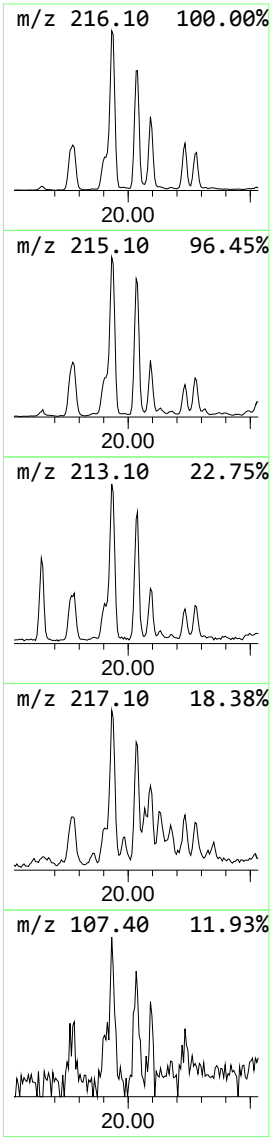
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.033	2.32 ng	421932	Chrysene-d12	21.197

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	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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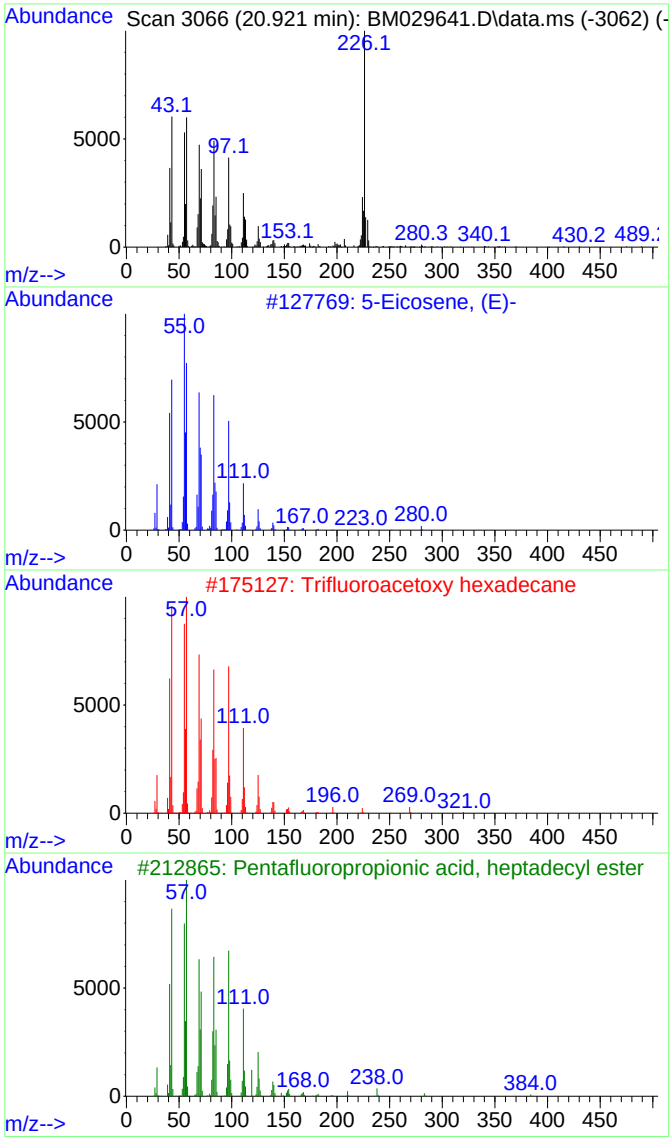
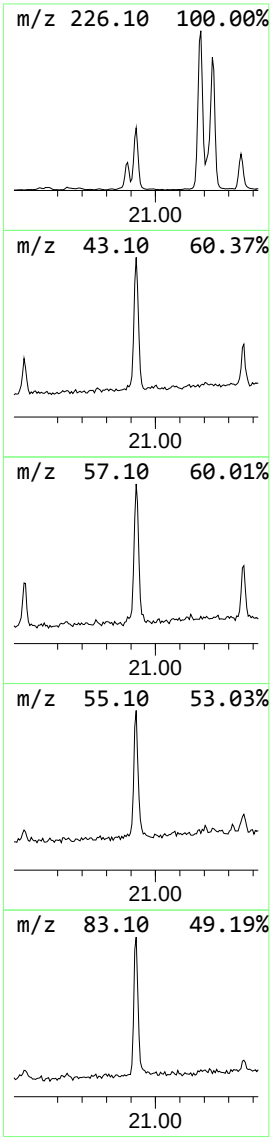
Peak Number 16 unknown20.921 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.921	4.47 ng	811005	Chrysene-d12	21.197

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	49
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	46
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	46
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	46
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	46





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TIC Library : C:\DATABASE\NIST11.L
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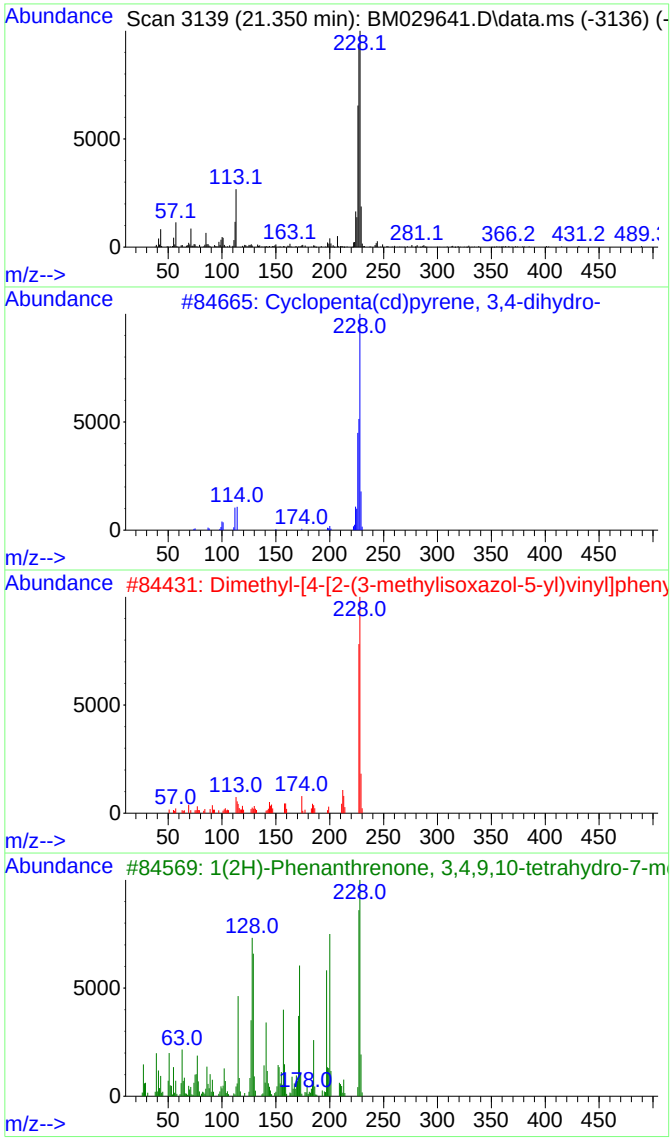
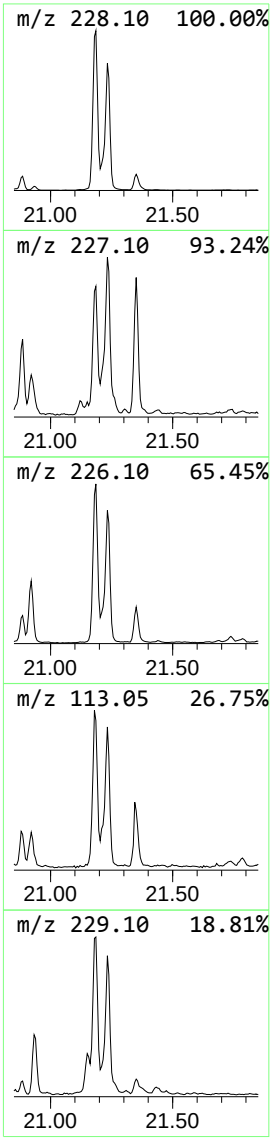
****
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.350	2.06 ng	373458	Chrysene-d12	21.197

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
4	Benz[a]anthracene	228	C18H12	000056-55-3	46
5	Triphenylene	228	C18H12	000217-59-4	46





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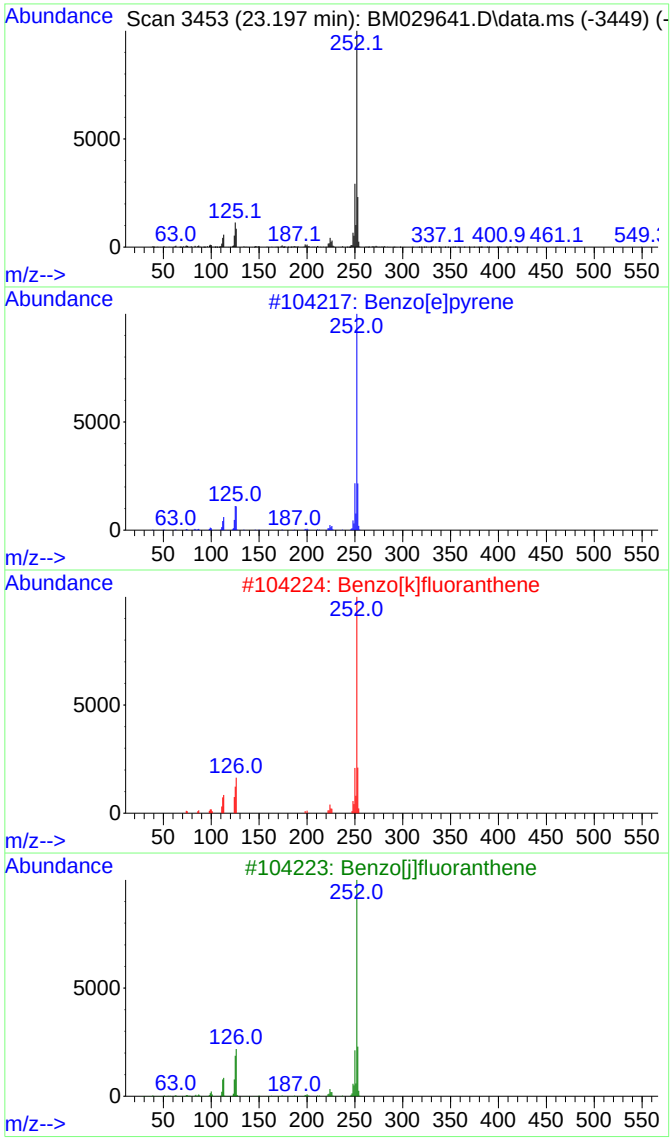
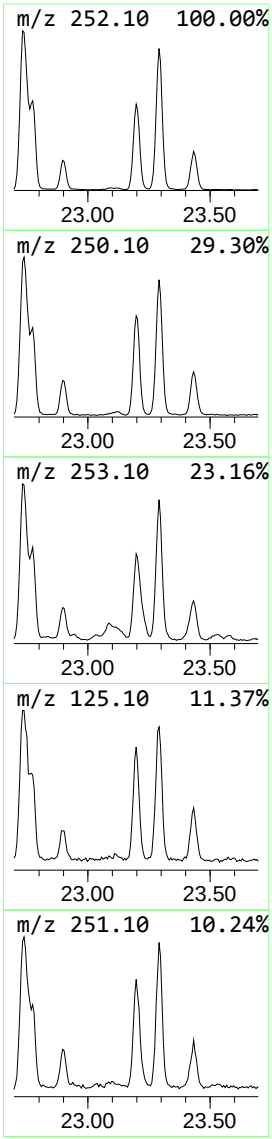
Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.197	19.96 ng	1145940	Perylene-d12	23.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029641.D
Acq On : 24 Apr 2021 17:19
Operator : CG/JU
Sample : M2149-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-38-0-2.0

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
2-Pentanone, 4-...	4.775	2.3	ng	58339	1	7.622	498676	20.0
p-Cymene	7.763	4.3	ng	108264	1	7.622	498676	20.0
Dibenzothiophene	16.833	3.4	ng	172933	4	17.015	1025800	20.0
Phenanthrene, 1...	17.886	5.9	ng	304681	4	17.015	1025800	20.0
Anthracene, 2-m...	17.927	15.4	ng	791029	4	17.015	1025800	20.0
Anthracene, 1-m...	18.015	3.3	ng	170618	4	17.015	1025800	20.0
4H-Cyclopenta[d...	18.080	12.4	ng	636483	4	17.015	1025800	20.0
Phenanthrene, 2...	18.121	4.0	ng	204556	4	17.015	1025800	20.0
5,16[1',2']:8,1...	18.392	4.2	ng	214149	4	17.015	1025800	20.0
9,10-Anthracene...	18.433	3.4	ng	171817	4	17.015	1025800	20.0
di-p-Tolylacety...	18.809	3.5	ng	181830	4	17.015	1025800	20.0
unknown18.874	18.874	2.3	ng	117431	4	17.015	1025800	20.0
Cyclopenta(def)...	18.951	3.0	ng	156037	4	17.015	1025800	20.0
Pyrene, 1-methyl-	19.933	2.8	ng	514420	5	21.197	3631960	20.0
11H-Benzo[b]flu...	20.033	2.3	ng	421932	5	21.197	3631960	20.0
unknown20.921	20.921	4.5	ng	811005	5	21.197	3631960	20.0
Cyclopenta(cd)p...	21.350	2.1	ng	373458	5	21.197	3631960	20.0
Benzo[e]pyrene	23.197	20.0	ng	1145940	6	23.386	1148000	20.0