LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-02-082622

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_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.214	321	328	337	rVB	56041	92185	3.37%	0.248%
2	5.690	401	409	419	rBV	645014	1055118	38.52%	2.836%
3	7.300	675	683	695	rBV	646845	1131952	41.33%	3.043%
4	8.152	817	828	835	rBV	174731	300872	10.98%	0.809%
5	9.321	1017	1027	1041	rBV	385150	705884	25.77%	1.898%
6	10.978	1302	1309	1315	rBV	239927	449993	16.43%	1.210%
7	11.025	1315	1317	1325	rVB	20199	28318	1.03%	0.076%
8	12.840	1619	1626	1632	rBV	17846	28753	1.05%	0.077%
9	13.404	1715	1722	1736	rBV	1074444	1677785	61.26%	4.510%
10	14.104	1834	1841	1846	rBV	21622	38820	1.42%	0.104%
11	14.227	1855	1862	1870	rBV3	28186	56750	2.07%	0.153%
12	14.509	1902	1910	1918	rBV	55116	108712	3.97%	0.292%
13	14.779	1944	1956	1963	rBV	369341	625648	22.84%	1.682%
14	14.844	1963	1967	1974	rVB	68077	105962	3.87%	0.285%
15	15.173	2017	2023	2031	rVV2	32014	55350	2.02%	0.149%
16	15.384	2053	2059	2065	rBV4	19134	42364	1.55%	0.114%
17	15.566	2081	2090	2092	rBV7	12147	31229	1.14%	0.084%
18	15.825	2129	2134	2145	rVB2	75204	141140	5.15%	0.379%
19	15.948	2145	2155	2158	rBV7	13552	37892	1.38%	0.102%
20	16.113	2175	2183	2190	rVB4	17841	38658	1.41%	0.104%
21	16.266	2202	2209	2218	rBV	766605	1204943	43.99%	3.239%
22	16.489	2243	2247	2256	rVB5	33564	68308	2.49%	0.184%
23	16.824	2296	2304	2309	rBV5	25335	58347	2.13%	0.157%
24	16.877	2309	2313	2318	rVB	18946	30165	1.10%	0.081%
25	16.977	2325	2330	2335	rVB	19484	32675	1.19%	0.088%
26	17.047	2335	2342	2347	rBV6	17911	46942	1.71%	0.126%
27	17.100	2347	2351	2359	rVV4	17298	36189	1.32%	0.097%
28	17.176	2359	2364	2372	rVB2	31122	54785	2.00%	0.147%
29	17.253	2372	2377	2383	rBV4	24339	38935	1.42%	0.105%
30	17.347	2389	2393	2400	rVB	49334	77213	2.82%	0.208%
31	17.529	2417	2424	2427	rBV	447558	704461	25.72%	1.894%
32	17.570	2427	2431	2438	rVV	885903	1340985	48.96%	3.605%
33	17.658	2438	2446	2451	rVV	147772	245286	8.96%	0.659%
34	17.717	2451	2456	2461	rVB3	30399	60192	2.20%	0.162%
35	17.928	2481	2492	2499	rBV	80032	179387	6.55%	0.482%
36	18.040	2508	2511	2516	rVV	28335	41177	1.50%	0.111%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

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_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.111	2518	2523	2529	rVB	47017	77831	2.84%	0.209%
38	18.252	2543	2547	2555	rVB	25991	52432	1.91%	0.141%
39	18.404	2567	2573	2576	rVV	172989	261807	9.56%	0.704%
40	18.451	2576	2581	2588	rVB	212573	331907	12.12%	0.892%
41	18.528	2590	2594	2599	rBV	52337	82078	3.00%	0.221%
42	18.598	2599	2606	2610	rVV2	272090	566899	20.70%	1.524%
43	18.633	2610	2612	2617	rVB	135580	156233	5.70%	0.420%
44	18.704	2618	2624	2627	rBV4	19435	39872	1.46%	0.107%
45	18.792	2635	2639	2644	rVB3	28044	43046	1.57%	0.116%
46	18.892	2652	2656	2660	rBV	117353	174936	6.39%	0.470%
47	18.939	2660	2664	2674	rVB2	142612	240035	8.76%	0.645%
48	19.109	2690	2693	2695	rBV2	27069	35997	1.31%	0.097%
49	19.139	2695	2698	2702	rVV	61636	89597	3.27%	0.241%
50	19.186	2702	2706	2710	rVV	78184	114759	4.19%	0.308%
51	19.227	2710	2713	2717	rVB2	61386	73366	2.68%	0.197%
52	19.309	2722	2727	2732	rBV	216994	356096	13.00%	0.957%
53	19.368	2732	2737	2741	rBV2	70978	147202	5.37%	0.396%
54	19.456	2746	2752	2764	rVV4	104931	270761	9.89%	0.728%
55	19.579	2766	2773	2778	rVV	1817547	2738957	100.00%	7.363%
56	19.632	2778	2782	2785	rVV	56542	79815	2.91%	0.215%
57	19.668	2785	2788	2792	rVV	66582	89515	3.27%	0.241%
58	19.726	2794	2798	2801	rVV2	56286	86401	3.15%	0.232%
59	19.762	2801	2804	2808	rVV2	50436	79326	2.90%	0.213%
60	19.814	2809	2813	2822	rVV4	80260	206354	7.53%	0.555%
61	19.903	2823	2828	2830	rVV2	262038	418612	15.28%	1.125%
62	19.938	2830	2834	2841	rVV	1782648	2733038	99.78%	7.347%
63	20.002	2841	2845	2851	rVB2	134855	208101	7.60%	0.559%
64	20.126	2861	2866	2871	rBV	1721290	2198934	80.28%	5.911%
65	20.173	2871	2874	2879	rVB2	92433	149546	5.46%	0.402%
66	20.267	2882	2890	2895	rBV4	145972	402969	14.71%	1.083%
67	20.425	2906	2917	2922	rVB	312014	716224	26.15%	1.925%
68	20.525	2929	2934	2938	rBV	204752	277082	10.12%	0.745%
69	20.584	2938	2944	2948	rVV3	212078	305714	11.16%	0.822%
70	20.725	2963	2968	2972	rBV	189347	270989	9.89%	0.728%
71	20.766	2972	2975	2987	rVB2	172689	293979	10.73%	0.790%
72	21.195	3044	3048	3055	rVB	137198	238083	8.69%	0.640%
73	21.389	3072	3081	3084	rBV3	167939	366096	13.37%	0.984%
74	21.430	3084	3088	3092	rVV	240248	328305	11.99%	0.883%
75	21.483	3092	3097	3102	rVV2	136686	225827	8.24%	0.607%
76	21.806	3145	3152	3159	rBV3	906895	2358388	86.11%	6.340%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

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_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.871	3159	3163	3175	rVB	751519	1376645	50.26%	3.701%
78	22.030	3186	3190	3196	rVB	135737	225309	8.23%	0.606%
79	22.576	3280	3283	3289	rVB	143468	237491	8.67%	0.638%
80	22.864	3329	3332	3336	rBV2	58497	77363	2.82%	0.208%
81	24.121	3537	3546	3554	rBV	505645	1838167	67.11%	4.941%
82	24.386	3586	3591	3604	rVB	111667	276815	10.11%	0.744%
83	24.879	3668	3675	3688	rVB	358461	1080675	39.46%	2.905%
84	25.038	3693	3702	3716	rVB	486829	1471274	53.72%	3.955%
85	25.191	3720	3728	3736	rBV2	241536	748095	27.31%	2.011%
86	29.074	4379	4389	4411	rVB4	189375	1007341	36.78%	2.708%

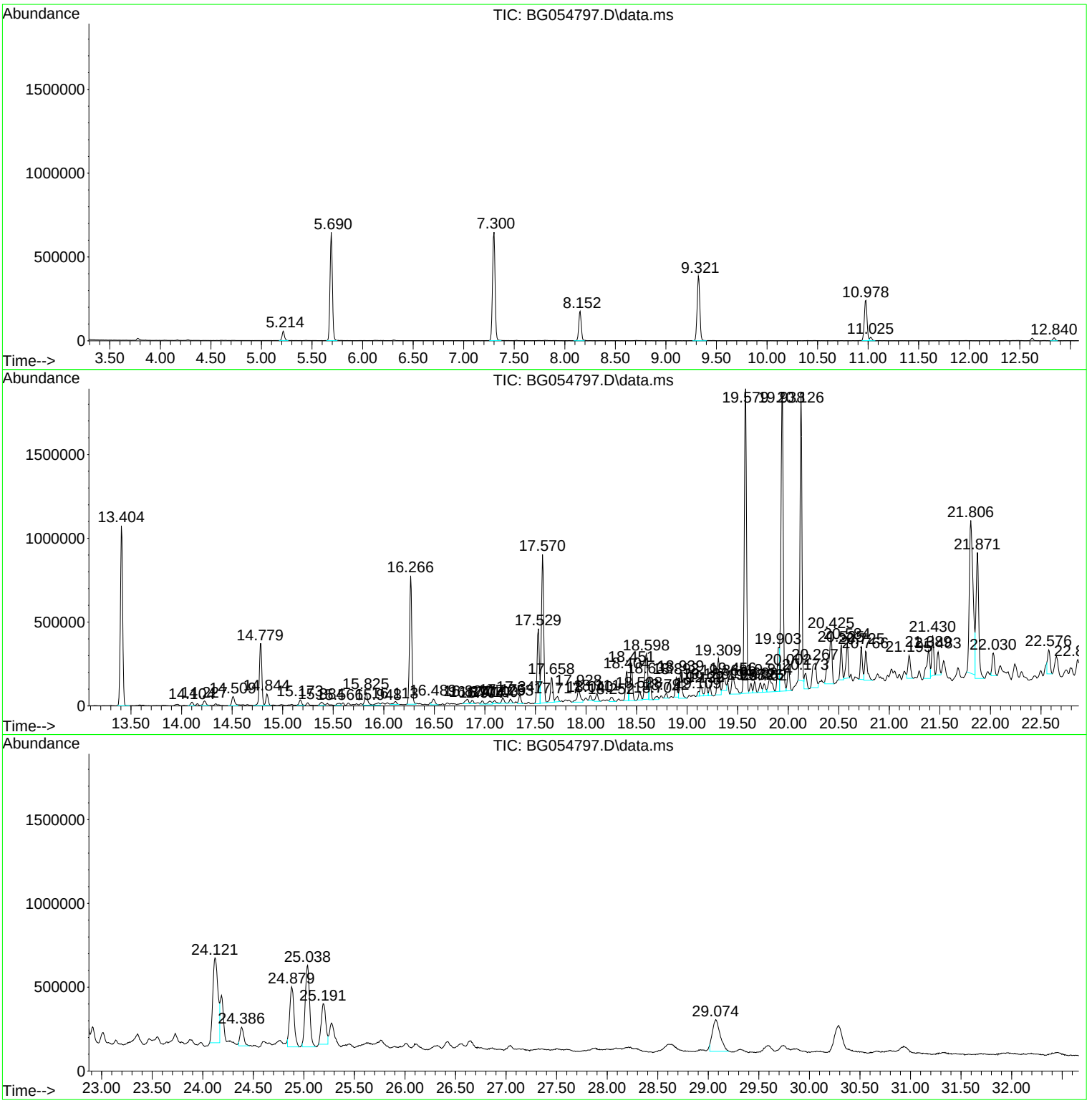
Sum of corrected areas: 37199659

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

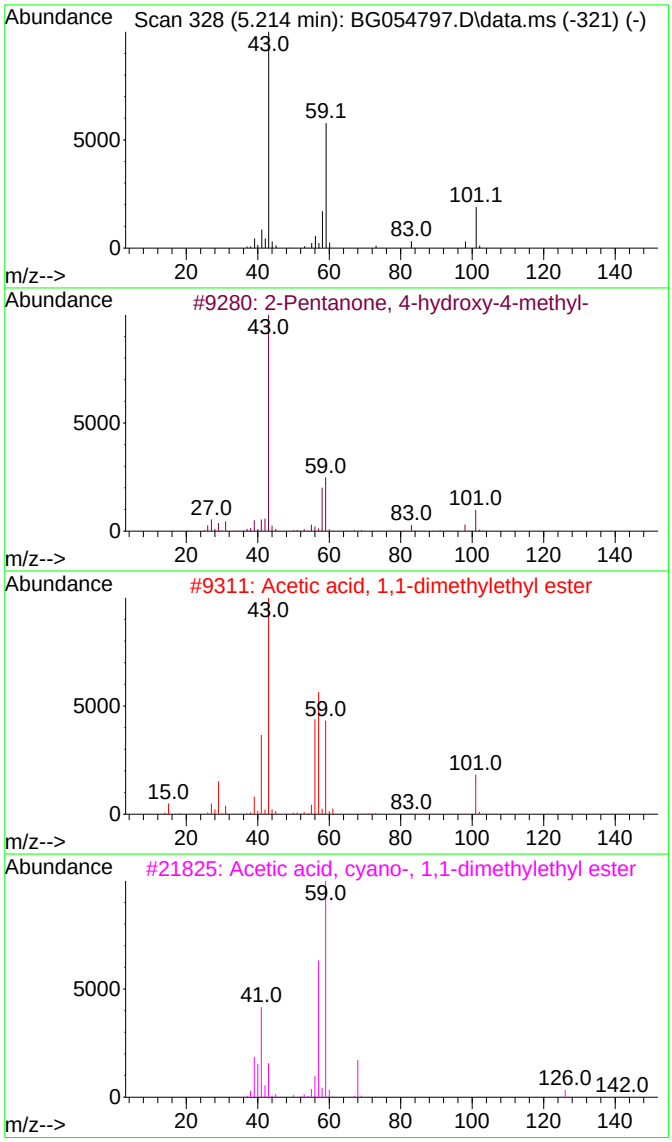
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

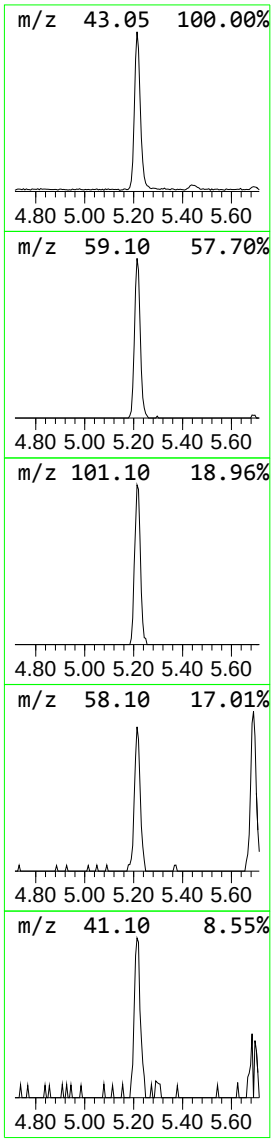
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.214	6.13 ng	92185	1,4-Dichlorobenzene-d4	8.152

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

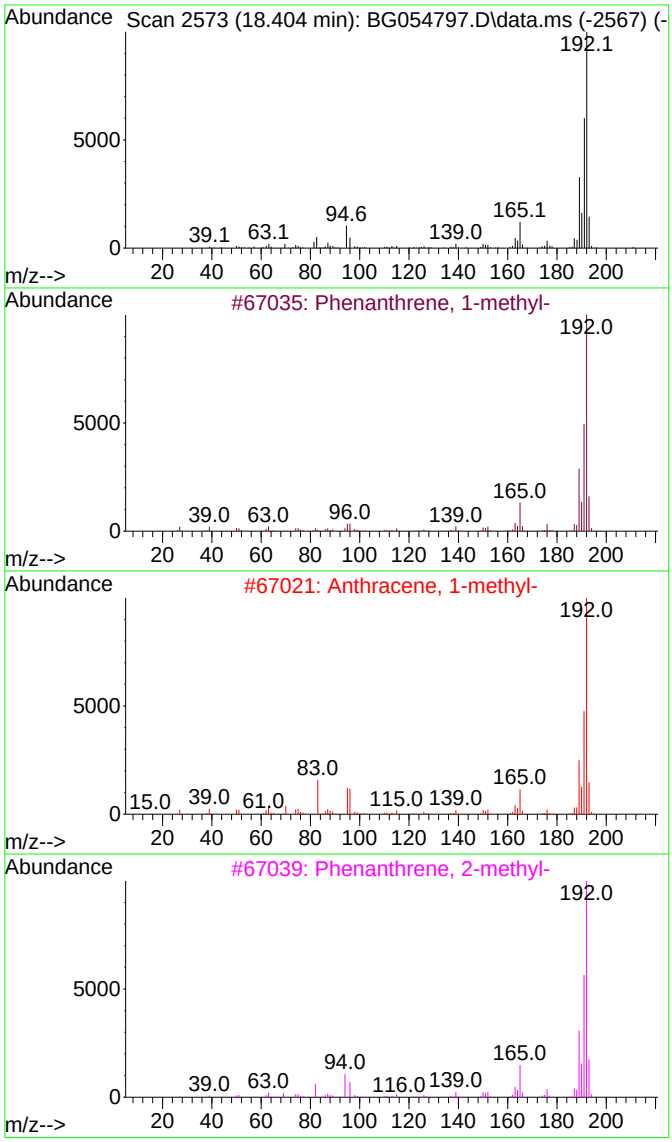
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

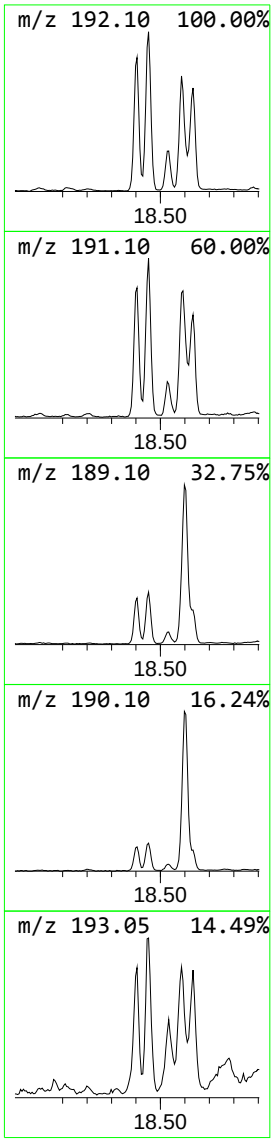
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	7.43 ng	261807	Phenanthrene-d10	17.529

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	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

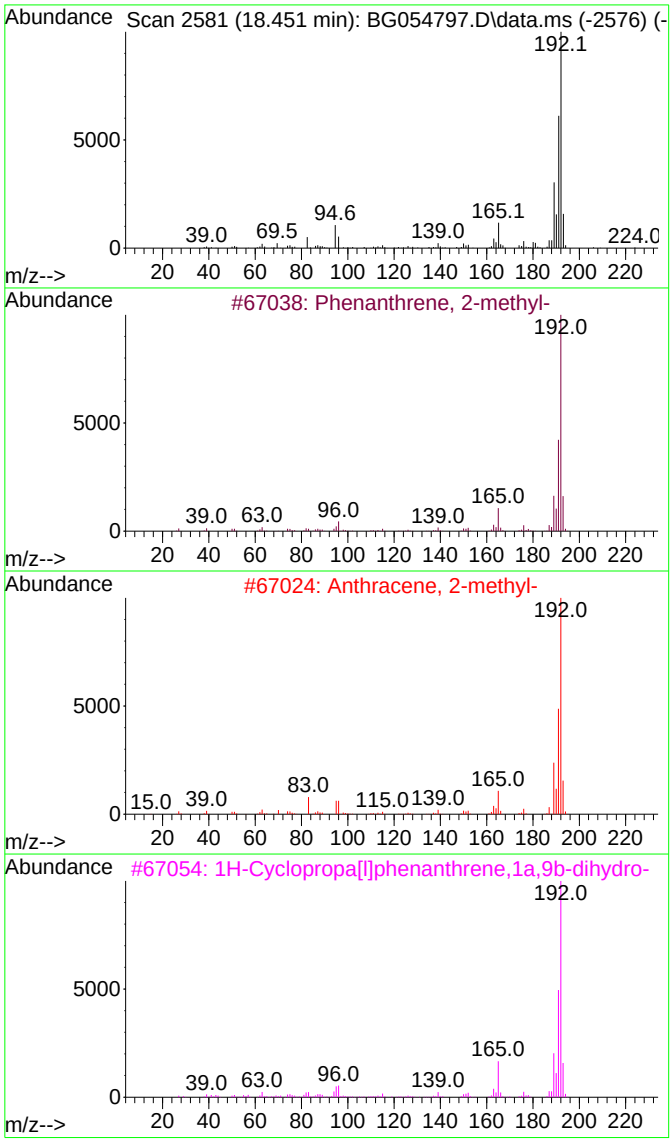
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

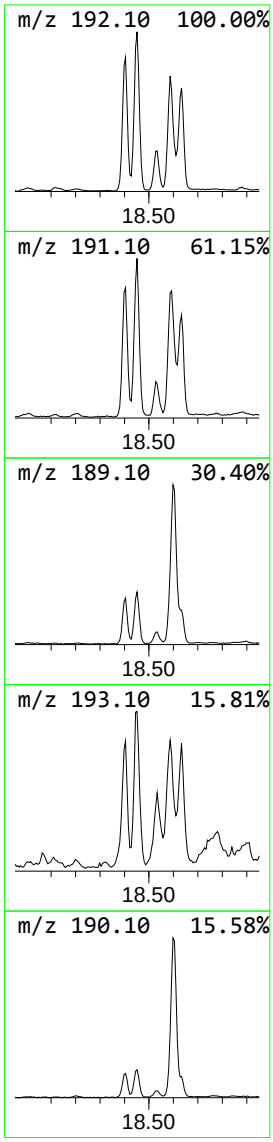
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.451	9.42 ng	331907	Phenanthrene-d10	17.529

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

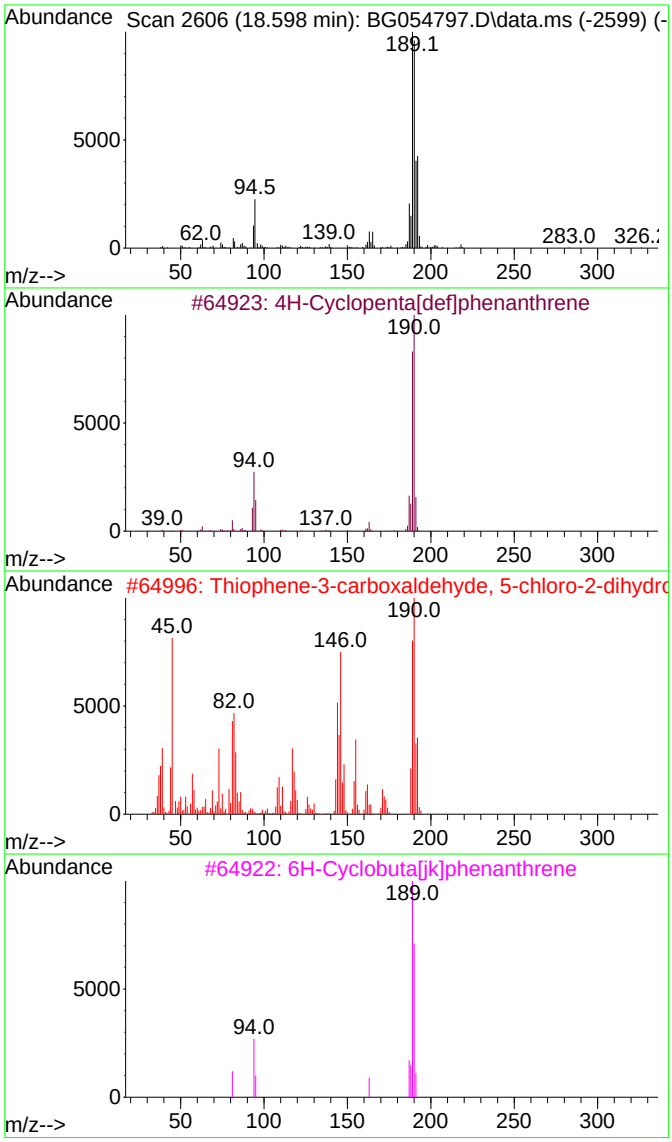
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

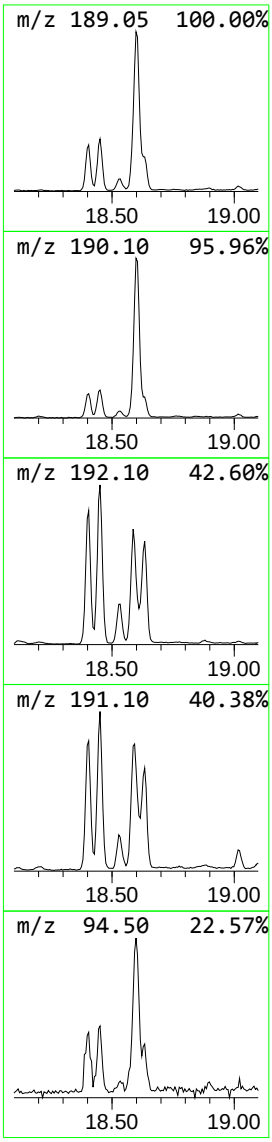
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	16.09 ng	566899	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

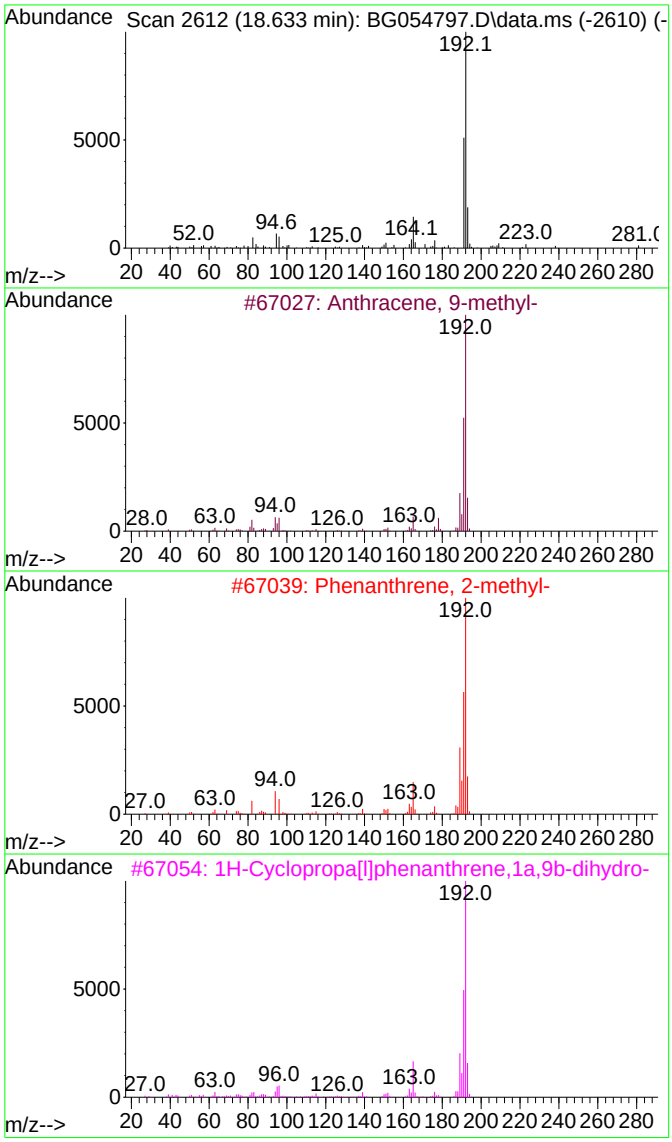
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

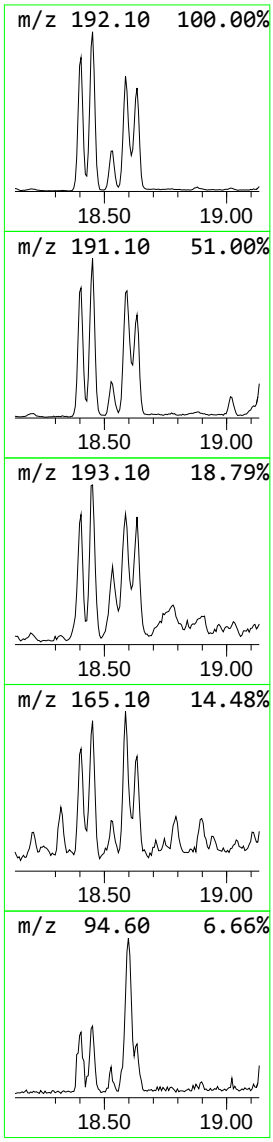
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.634	4.44 ng	156233	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

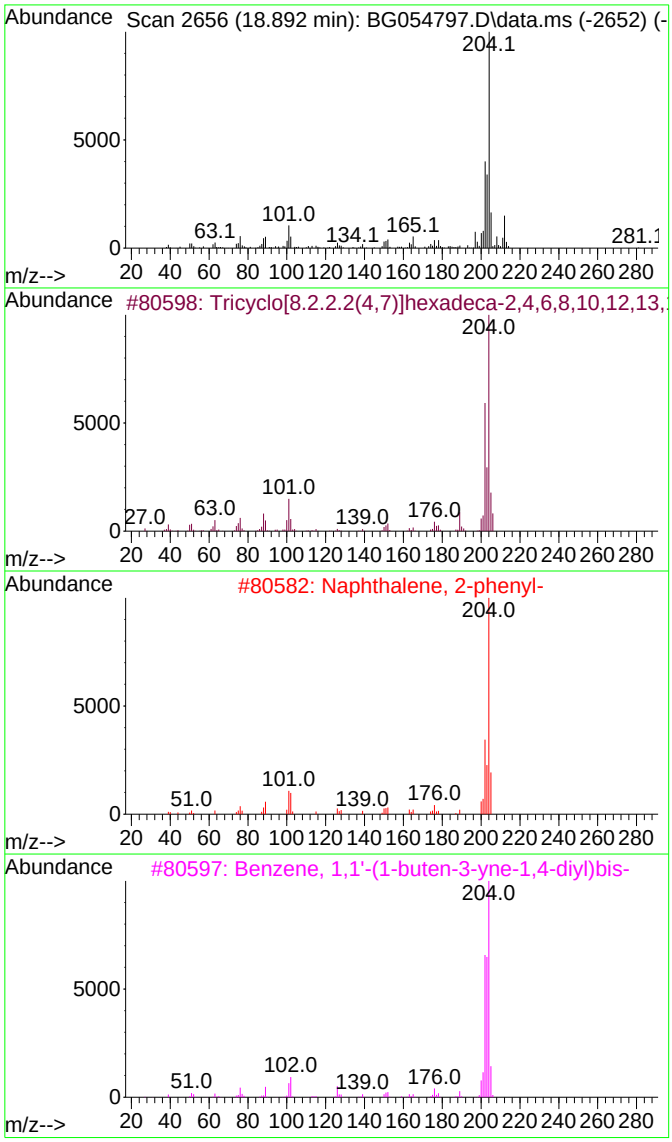
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

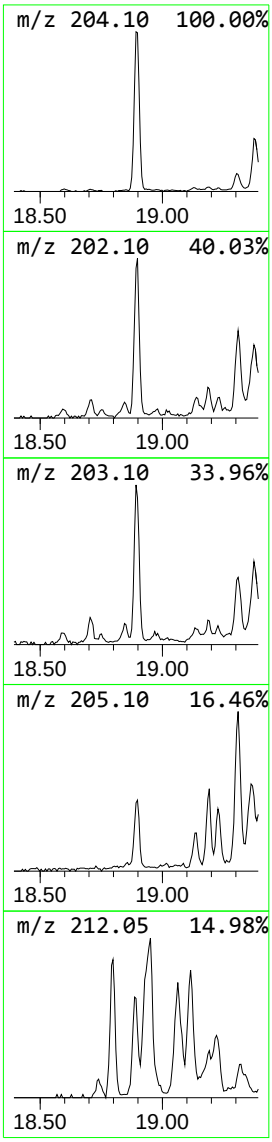
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.892	4.97 ng	174936	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50





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Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

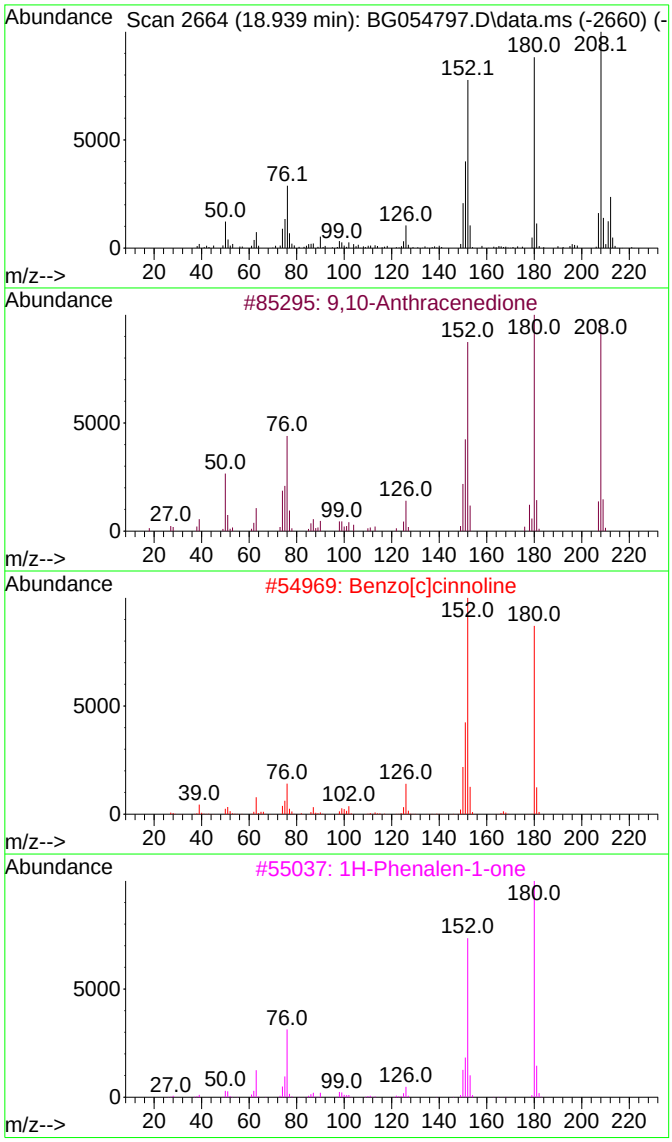
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

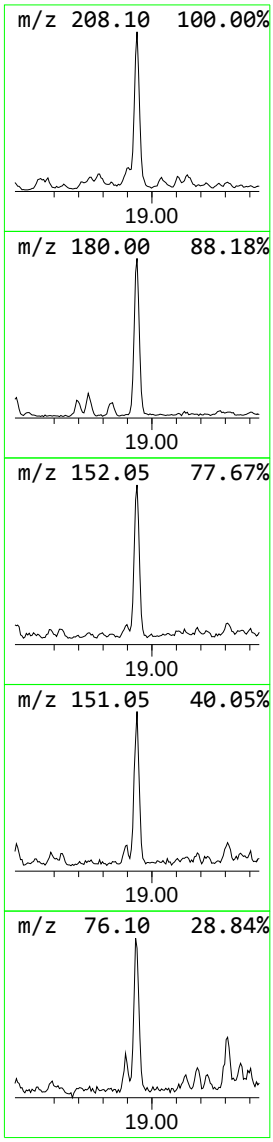
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	6.81 ng	240035	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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Instrument :
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ClientSampleId :
OR-02-082622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

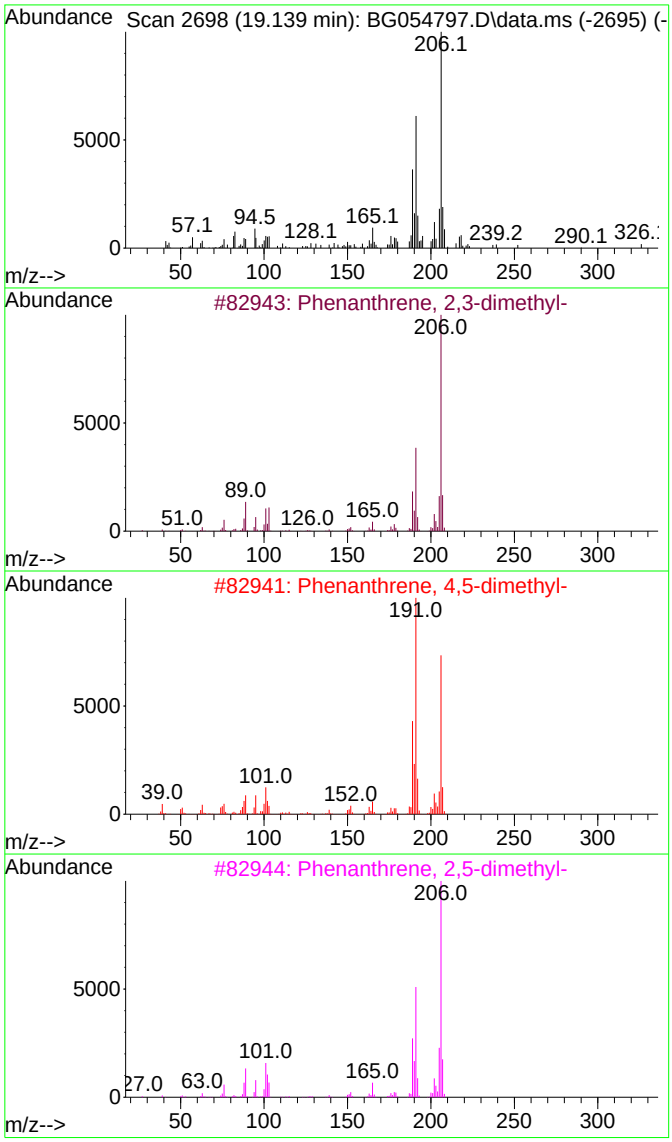
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

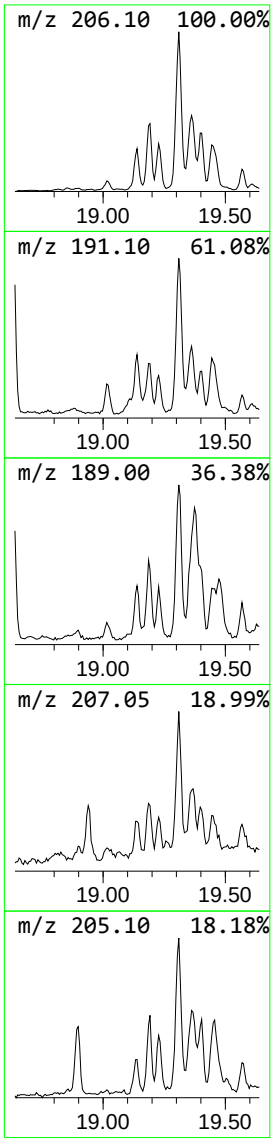
****

Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	2.54 ng	89597	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

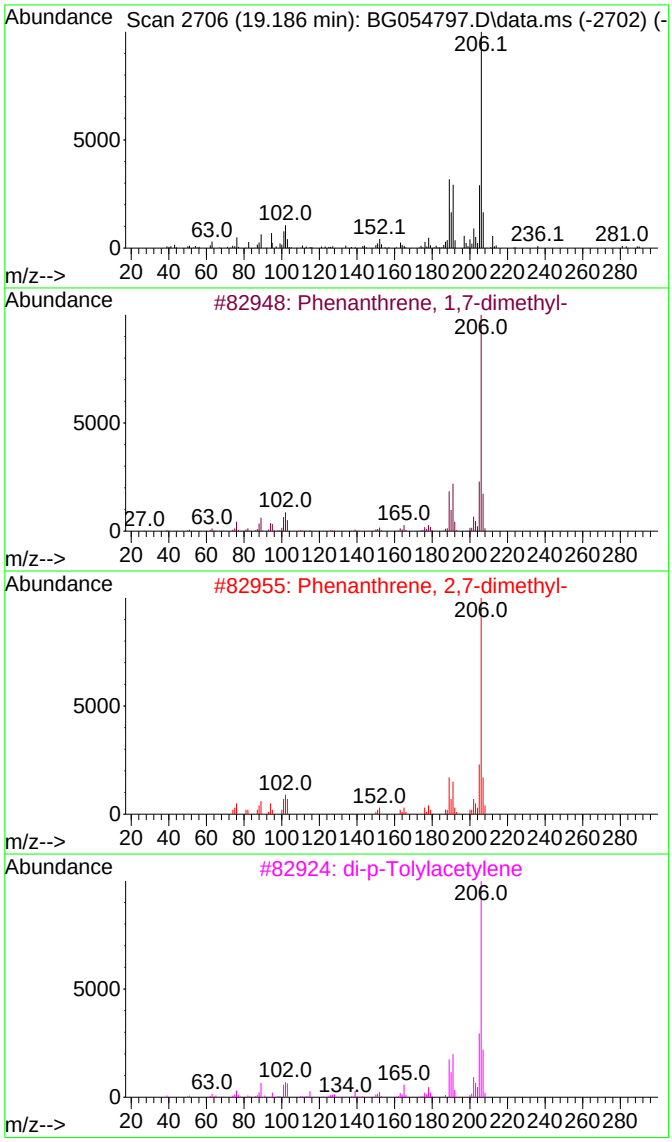
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

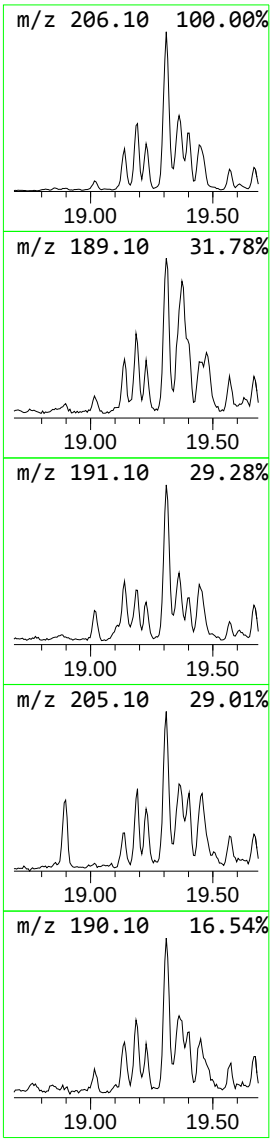
****

Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.186	3.26 ng	114759	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	74





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Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082622

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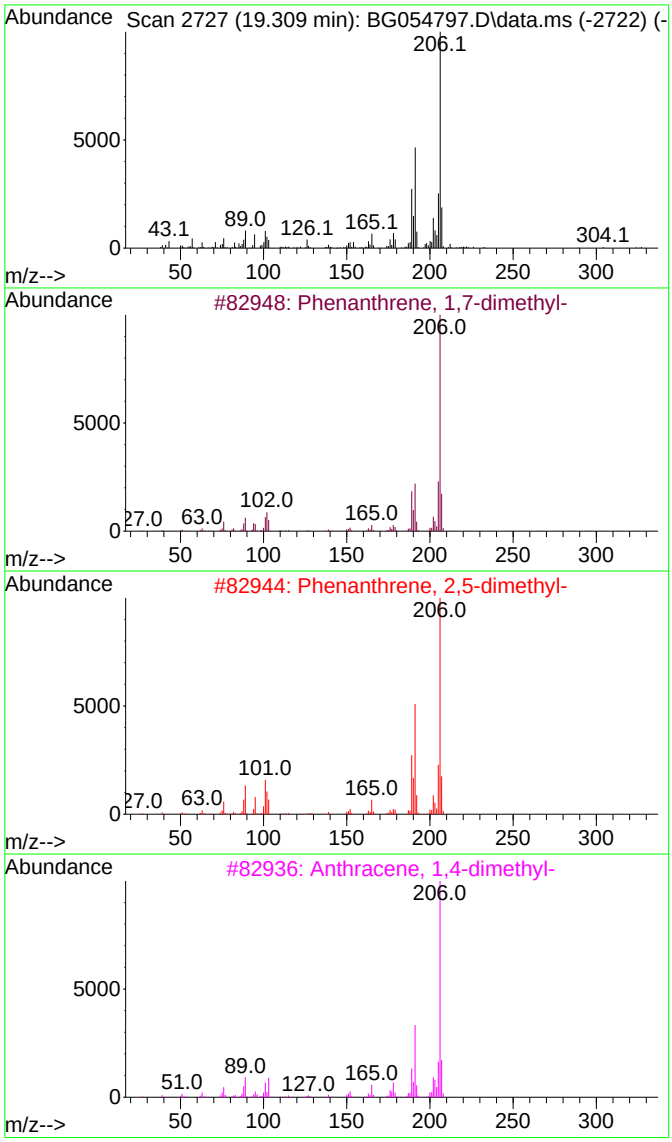
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

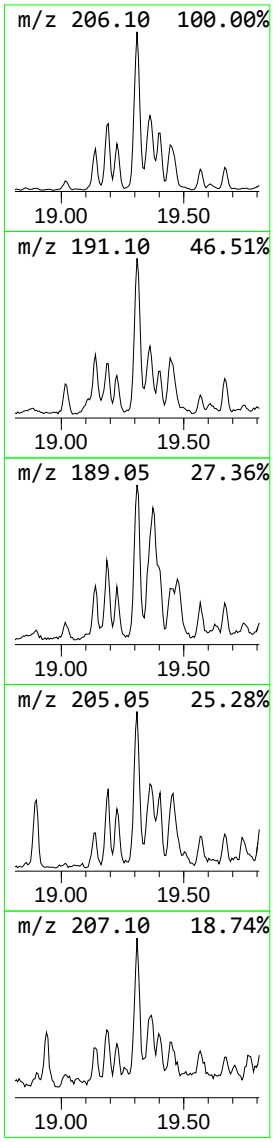
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.309	10.11 ng	356096	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

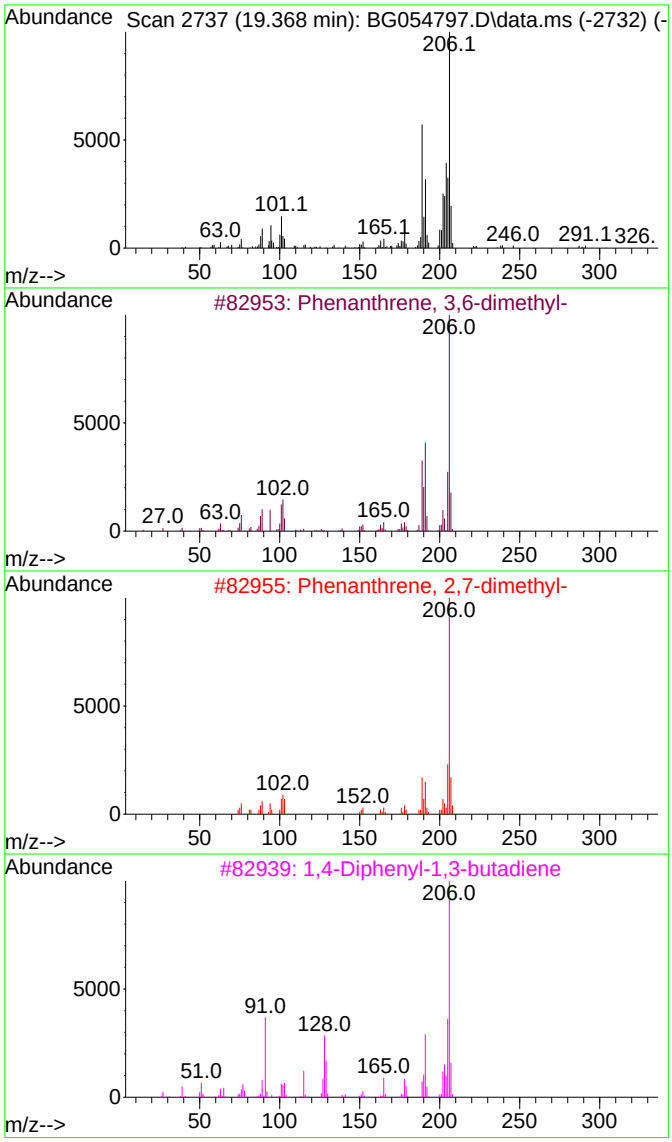
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

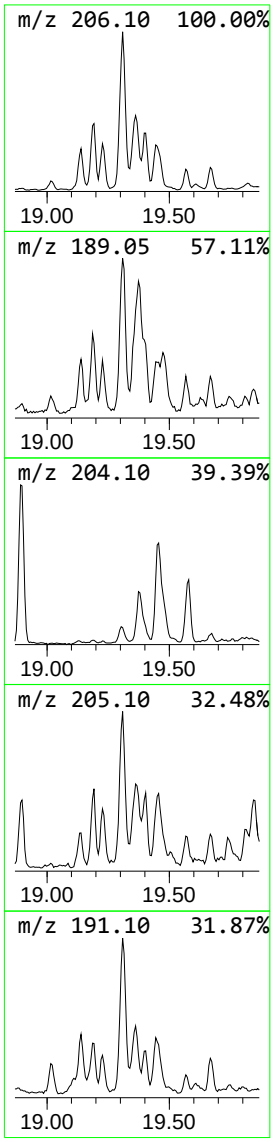
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	4.18 ng	147202	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	60
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	60
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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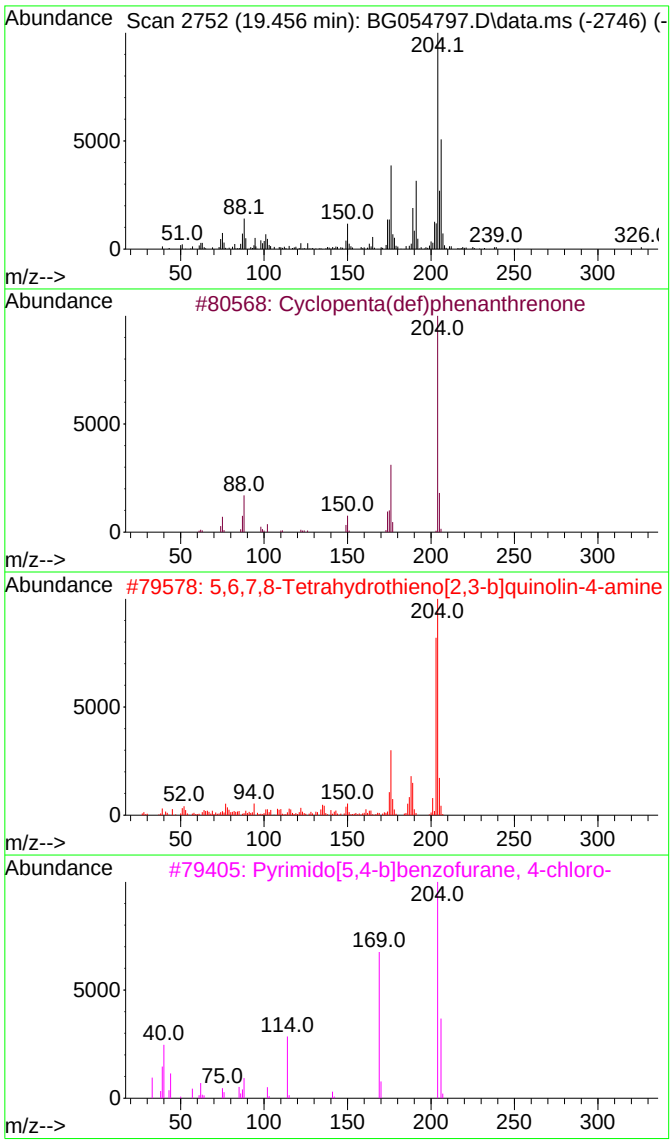
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

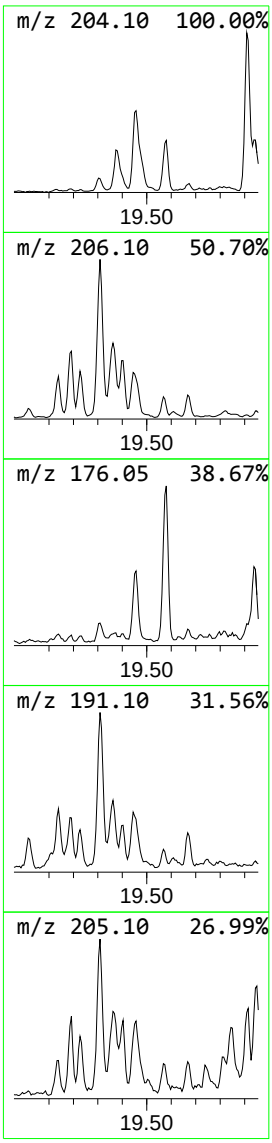
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.456	7.69 ng	270761	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	2H-Imidazol-2-one, 1,3-dihydro-4...	204	C11H12N2O2	1000338-04-7	38





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Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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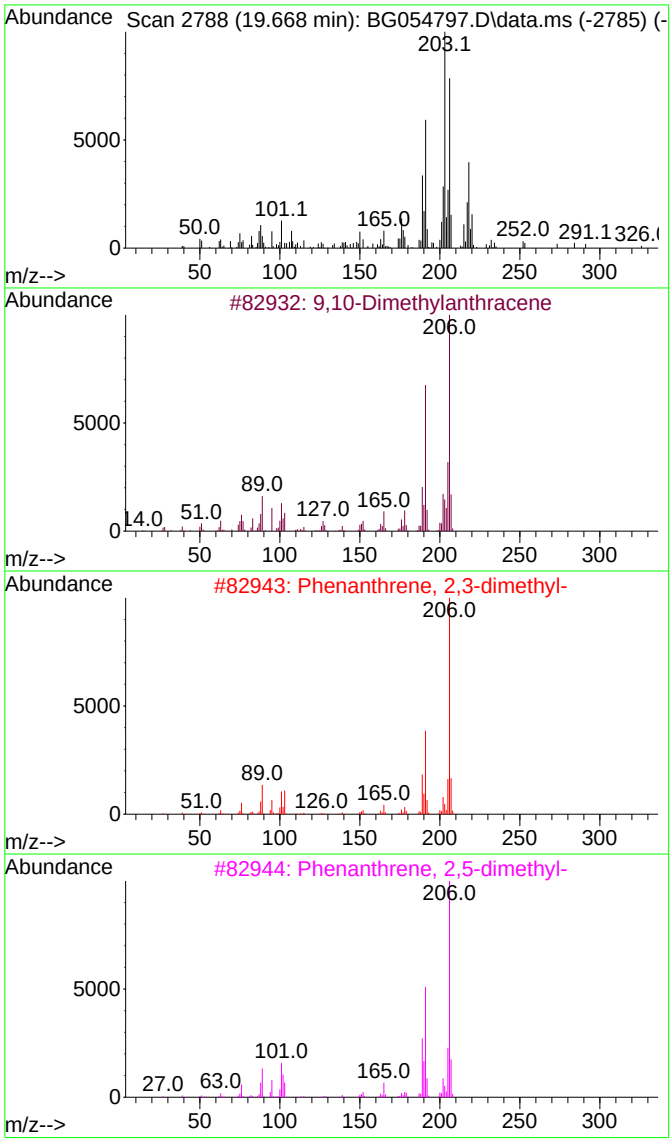
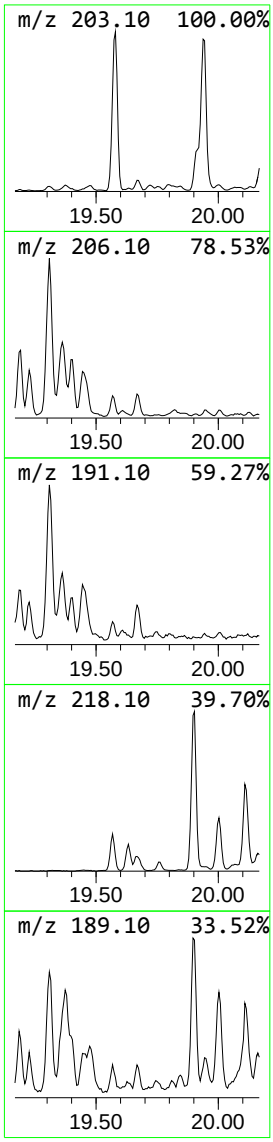
Peak Number 13 unknown19.668 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.668	2.54 ng	89515	Phenanthrene-d10	17.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4	9-Cyanophenanthrene	203	C15H9N	002510-55-6	45
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42





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ALS Vial : 16 Sample Multiplier: 1

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

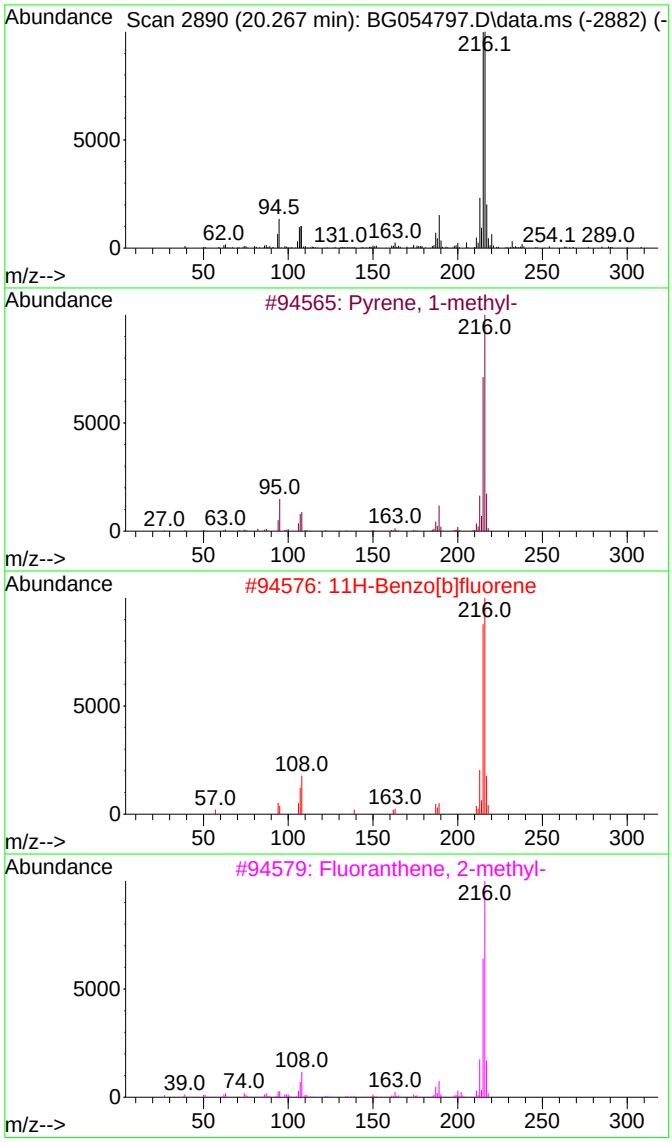
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

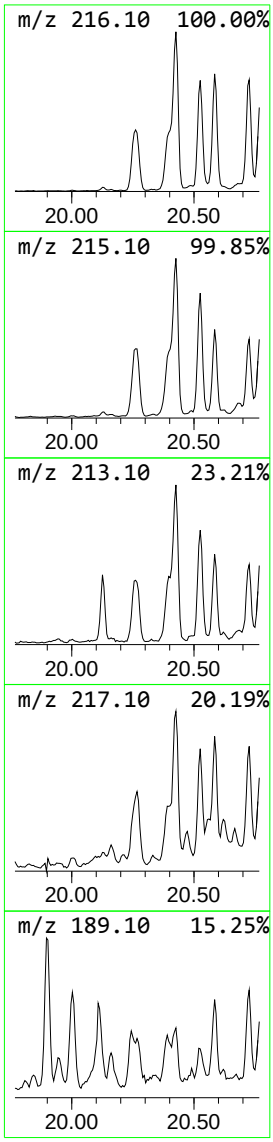
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.267	3.42 ng	402969	Chrysene-d12	21.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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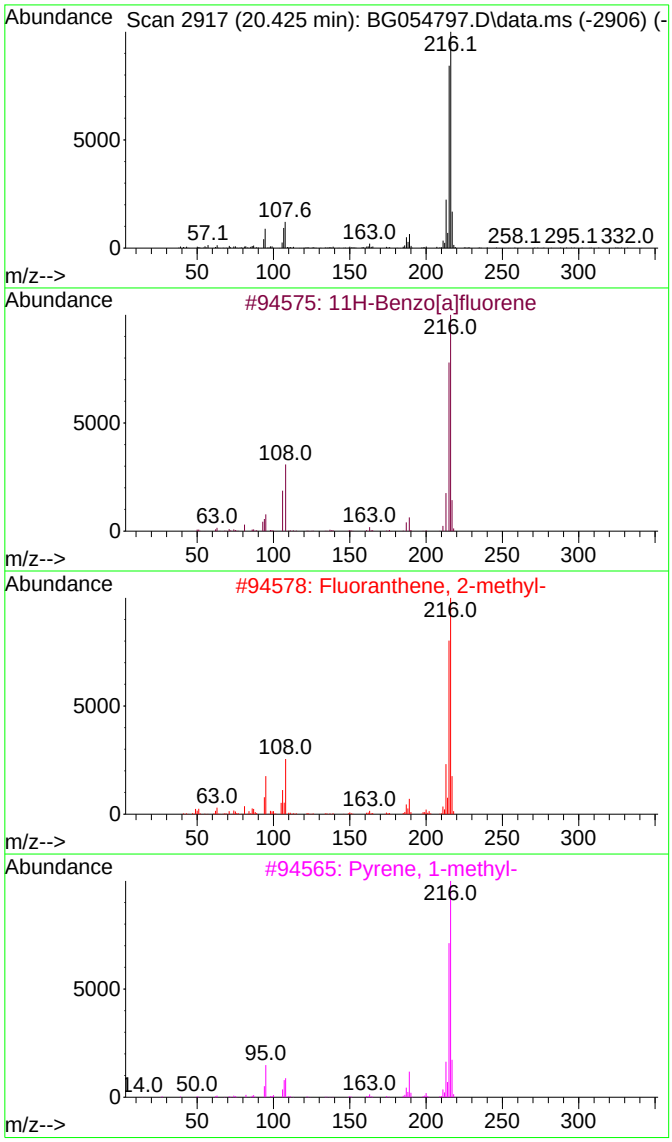
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

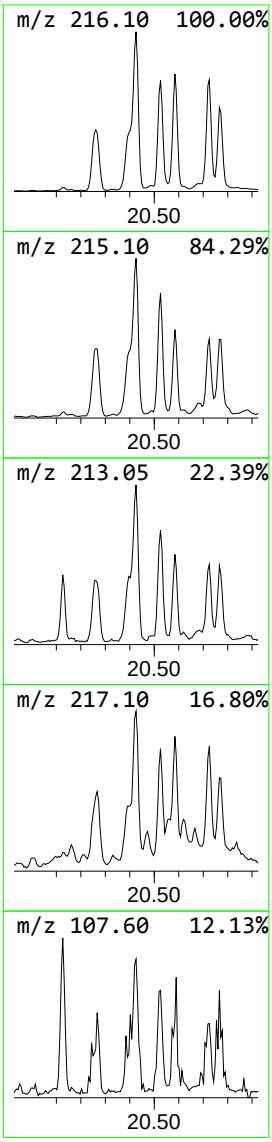
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.426	6.07 ng	716224	Chrysene-d12	21.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-082622

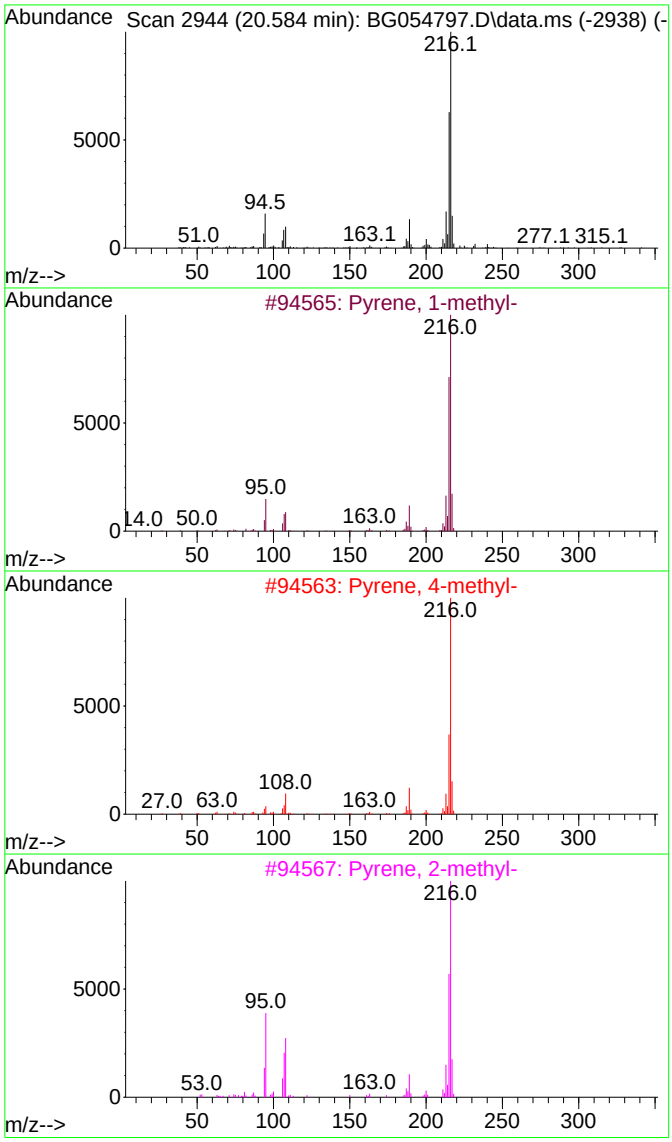
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

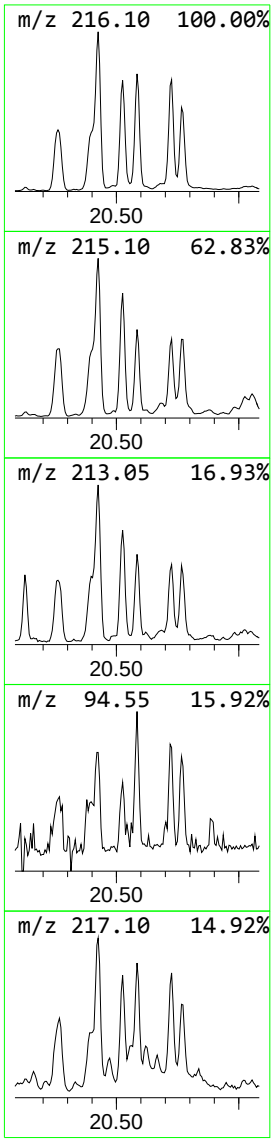
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.584	2.59 ng	305714	Chrysene-d12	21.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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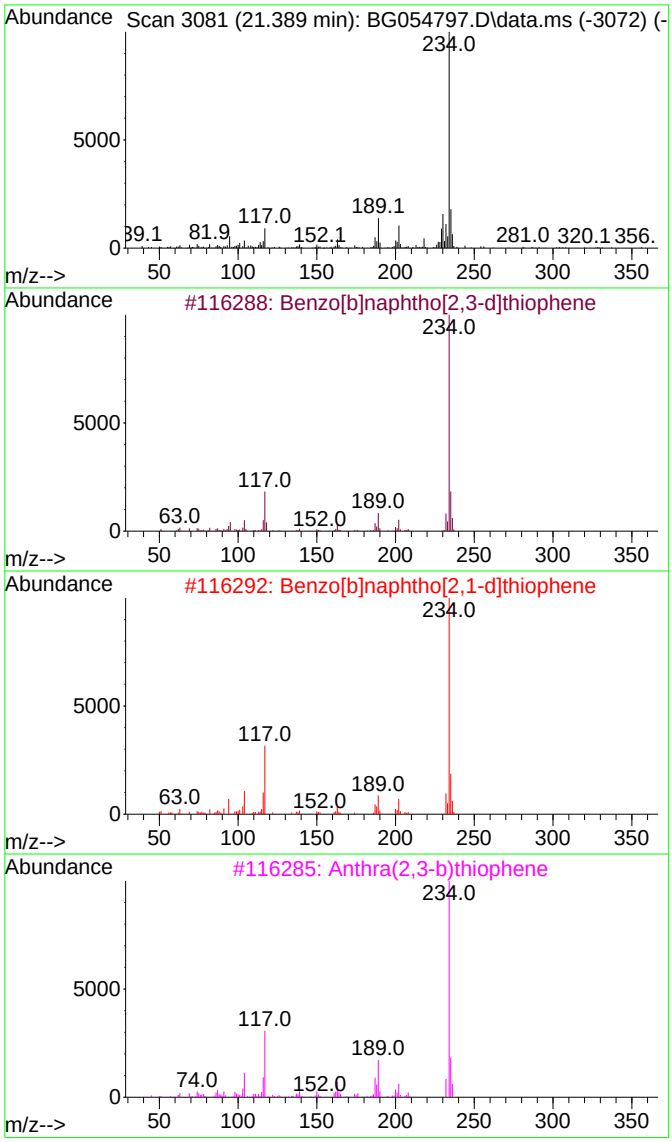
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

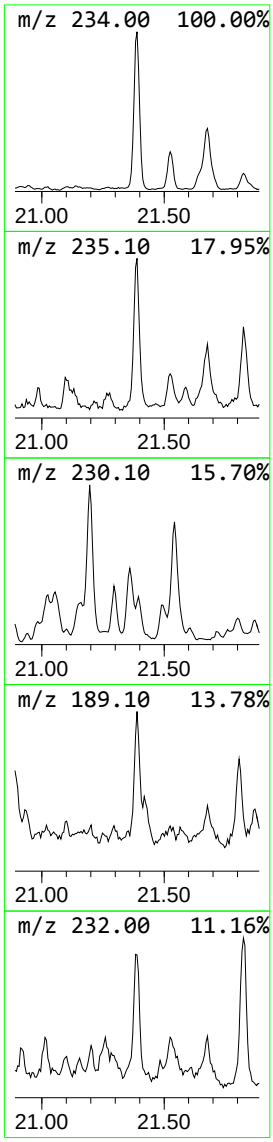
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.389	3.10 ng	366096	Chrysene-d12	21.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

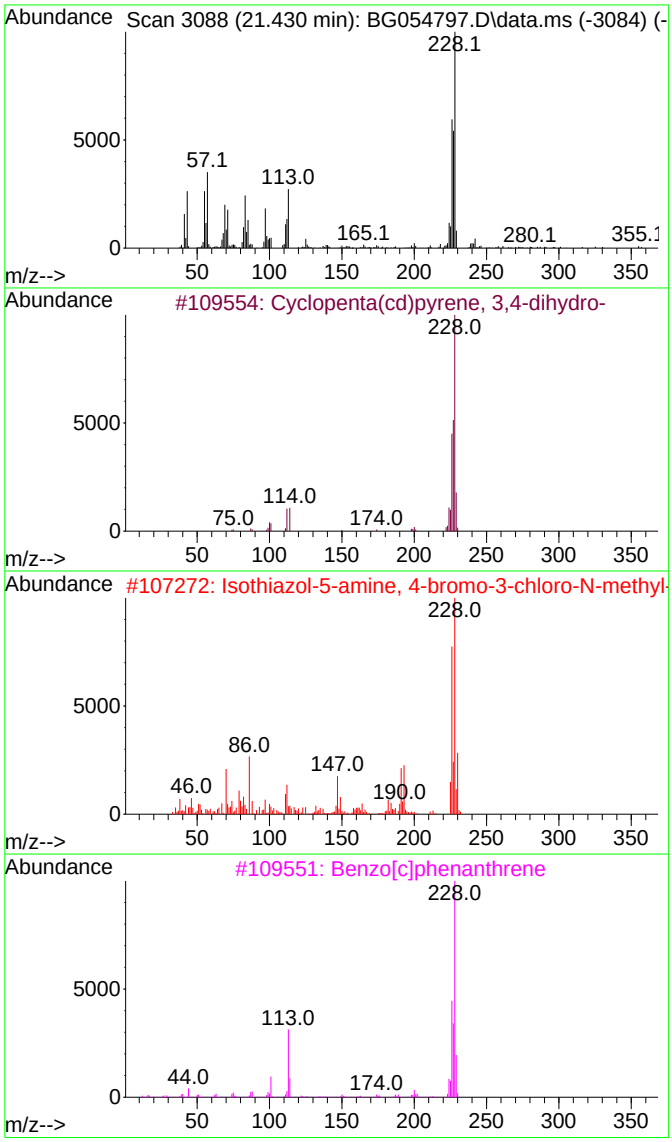
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

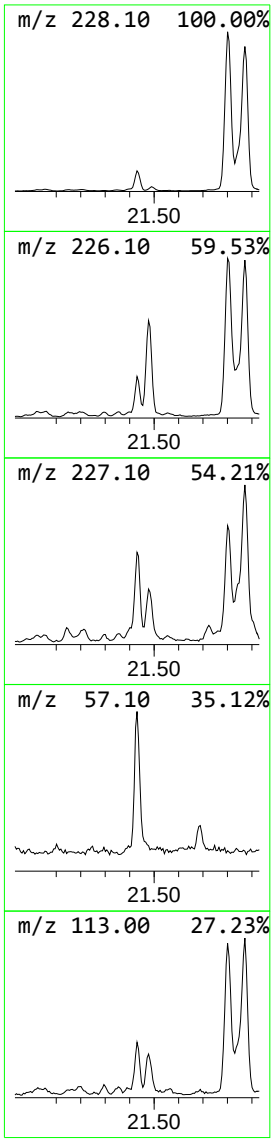
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.430	2.78 ng	328305	Chrysene-d12	21.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	52
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	38
5	Triphenylene	228	C18H12	000217-59-4	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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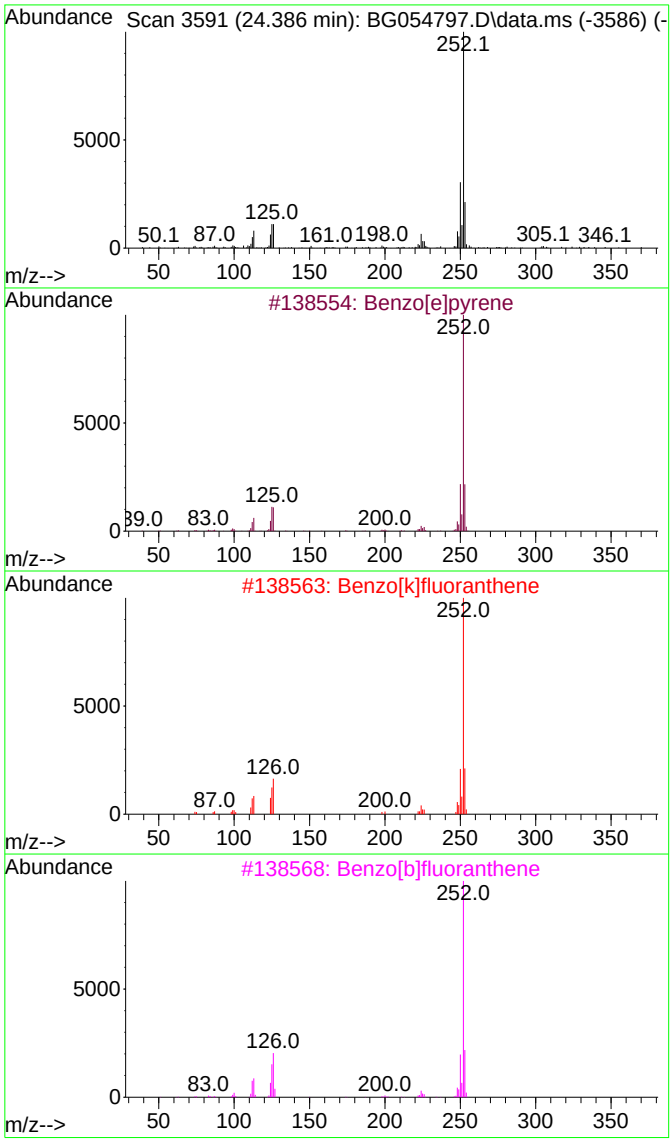
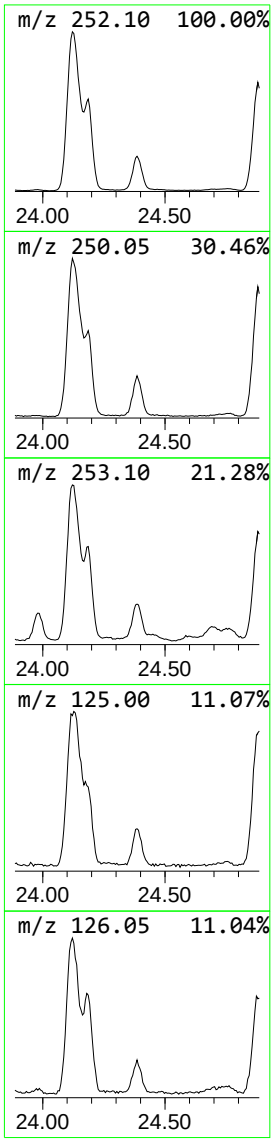
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.386	7.40 ng	276815	Perylene-d12	25.191

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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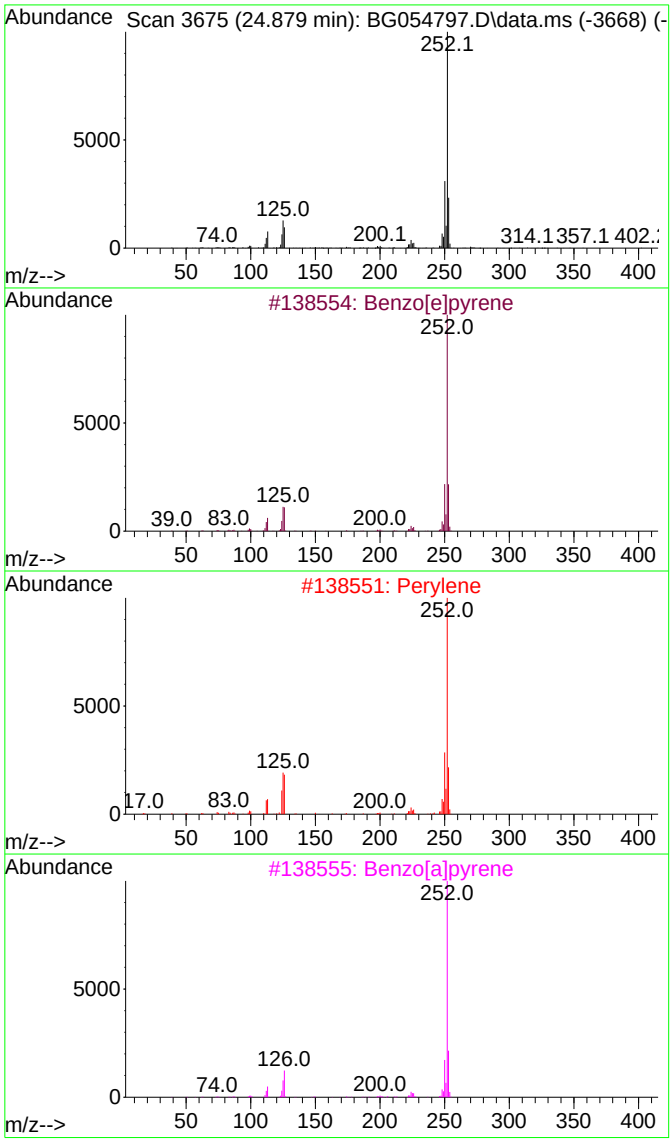
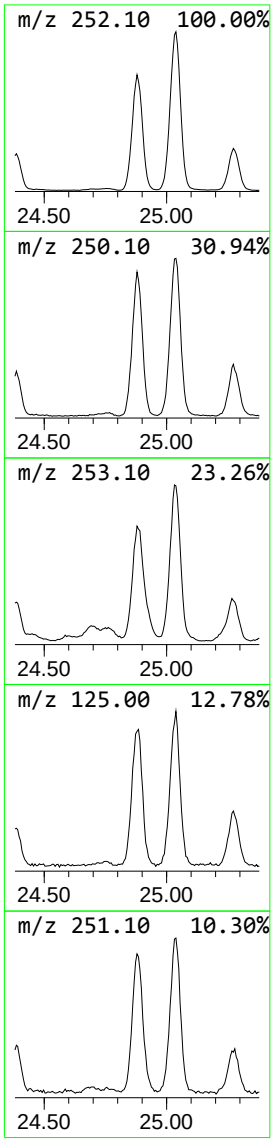
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.879	28.89 ng	1080680	Perylene-d12	25.191

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054797.D
Acq On : 30 Aug 2022 20:09
Operator : CG/JU
Sample : N4415-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-082622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.214	6.1	ng	92185	1	8.152	300872	20.0
Phenanthrene, 1...	18.404	7.4	ng	261807	4	17.529	704461	20.0
Phenanthrene, 2...	18.451	9.4	ng	331907	4	17.529	704461	20.0
4H-Cyclopenta[d...	18.598	16.1	ng	566899	4	17.529	704461	20.0
Anthracene, 9-m...	18.634	4.4	ng	156233	4	17.529	704461	20.0
Tricyclo[8.2.2....	18.892	5.0	ng	174936	4	17.529	704461	20.0
9,10-Anthracene...	18.939	6.8	ng	240035	4	17.529	704461	20.0
Phenanthrene, 2...	19.139	2.5	ng	89597	4	17.529	704461	20.0
Phenanthrene, 1...	19.186	3.3	ng	114759	4	17.529	704461	20.0
Phenanthrene, 2...	19.309	10.1	ng	356096	4	17.529	704461	20.0
Phenanthrene, 3...	19.368	4.2	ng	147202	4	17.529	704461	20.0
Cyclopenta(def)...	19.456	7.7	ng	270761	4	17.529	704461	20.0
unknown19.668	19.668	2.5	ng	89515	4	17.529	704461	20.0
Pyrene, 1-methyl-	20.267	3.4	ng	402969	5	21.824	2358390	20.0
11H-Benzo[a]flu...	20.426	6.1	ng	716224	5	21.824	2358390	20.0
Pyrene, 4-methyl-	20.584	2.6	ng	305714	5	21.824	2358390	20.0
Benzo[b]naphtho...	21.389	3.1	ng	366096	5	21.824	2358390	20.0
Cyclopenta(cd)p...	21.430	2.8	ng	328305	5	21.824	2358390	20.0
Benzo[e]pyrene	24.386	7.4	ng	276815	6	25.191	748095	20.0
Perylene	24.879	28.9	ng	1080680	6	25.191	748095	20.0