LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

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_P\Methods\8270E-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008197.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.046	7	10	26	rVB2	60379	156002	2.68%	0.210%
2	4.922	323	329	340	rBV	175005	264491	4.54%	0.356%
3	5.387	400	408	427	rBV	1188763	1938393	33.27%	2.610%
4	6.981	670	679	696	rBV	1140546	2020558	34.68%	2.720%
5	7.793	810	817	826	rBV	321974	528226	9.07%	0.711%
6	8.334	901	909	918	rBV	29398	63876	1.10%	0.086%
7	8.957	1007	1015	1025	rBV	742203	1278911	21.95%	1.722%
8	10.393	1253	1259	1269	rBV	26605	64171	1.10%	0.086%
9	10.593	1282	1293	1299	rBV	408577	697181	11.97%	0.939%
10	13.063	1705	1713	1730	rBV	1668395	2428945	41.69%	3.270%
11	14.163	1895	1900	1909	rVB	149446	241702	4.15%	0.325%
12	14.439	1940	1947	1954	rBV	579833	890700	15.29%	1.199%
13	14.504	1954	1958	1967	rVB	64265	101627	1.74%	0.137%
14	15.498	2122	2127	2138	rVB	61727	113012	1.94%	0.152%
15	15.792	2172	2177	2188	rBV4	27117	67466	1.16%	0.091%
16	15.939	2195	2202	2211	rBV	1366097	2064950	35.44%	2.780%
17	16.175	2237	2242	2249	rVB4	40164	80838	1.39%	0.109%
18	16.933	2367	2371	2375	rBV2	31659	61351	1.05%	0.083%
19	17.022	2382	2386	2395	rVB2	52685	92353	1.58%	0.124%
20	17.133	2399	2405	2410	rVB4	43371	66761	1.15%	0.090%
21	17.204	2411	2417	2420	rBV	734970	1045764	17.95%	1.408%
22	17.245	2420	2424	2431	rVV	997125	1412249	24.24%	1.901%
23	17.339	2434	2440	2445	rVV	339121	493375	8.47%	0.664%
24	17.398	2445	2450	2456	rVB2	48176	92743	1.59%	0.125%
25	17.504	2461	2468	2477	rBV4	25262	73801	1.27%	0.099%
26	17.616	2479	2487	2490	rBV	84653	148441	2.55%	0.200%
27	17.728	2501	2506	2513	rVB2	48278	69259	1.19%	0.093%
28	18.075	2560	2565	2568	rBV	195775	280128	4.81%	0.377%
29	18.122	2568	2573	2579	rVV	317901	508182	8.72%	0.684%
30	18.204	2583	2587	2591	rVV	137226	200046	3.43%	0.269%
31	18.263	2591	2597	2601	rVV2	397322	699396	12.00%	0.942%
32	18.298	2601	2603	2610	rVB	158757	199344	3.42%	0.268%
33	18.563	2644	2648	2652	rBV	215239	255903	4.39%	0.345%
34	18.604	2652	2655	2662	rVB	125575	163505	2.81%	0.220%
35	18.798	2685	2688	2692	rBV2	71334	84858	1.46%	0.114%
36	18.851	2693	2697	2700	rVV	107080	133724	2.29%	0.180%

LSC Area Percent Report

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Misc :
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Instrument :
BNA_P
ClientSampleId :
PL-5-120121

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_P\Methods\8270E-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.886	2700	2703	2707	rVB	90649	106567	1.83%	0.143%
38	18.969	2712	2717	2721	rBV	208881	350249	6.01%	0.472%
39	19.027	2724	2727	2730	rVV4	132798	212868	3.65%	0.287%
40	19.057	2730	2732	2736	rVV	88804	94381	1.62%	0.127%
41	19.104	2736	2740	2747	rVV3	179351	318025	5.46%	0.428%
42	19.227	2755	2761	2767	rBV	4053476	5434533	93.27%	7.316%
43	19.286	2767	2771	2774	rBV	93332	119684	2.05%	0.161%
44	19.322	2774	2777	2782	rBV3	98854	131184	2.25%	0.177%
45	19.369	2782	2785	2789	rVB	109205	128524	2.21%	0.173%
46	19.422	2789	2794	2796	rBV4	63894	109104	1.87%	0.147%
47	19.457	2797	2800	2804	rVV	95986	114413	1.96%	0.154%
48	19.551	2811	2816	2817	rBV	881365	1120521	19.23%	1.509%
49	19.580	2817	2821	2829	rVV	3472946	4847342	83.19%	6.526%
50	19.651	2829	2833	2839	rVB3	246177	382446	6.56%	0.515%
51	19.774	2846	2854	2858	rBV2	2549831	3497418	60.02%	4.708%
52	19.816	2858	2861	2866	rVB	189726	256447	4.40%	0.345%
53	19.892	2869	2874	2881	rBV3	366867	927186	15.91%	1.248%
54	20.027	2892	2897	2899	rBV3	291912	510740	8.77%	0.688%
55	20.063	2899	2903	2908	rVB	839987	1180284	20.26%	1.589%
56	20.157	2915	2919	2923	rBV	595629	772828	13.26%	1.040%
57	20.216	2923	2929	2933	rVV2	545450	927467	15.92%	1.249%
58	20.257	2933	2936	2939	rVB	172912	195798	3.36%	0.264%
59	20.298	2939	2943	2948	rBV2	131230	192303	3.30%	0.259%
60	20.357	2949	2953	2956	rBV	231218	286065	4.91%	0.385%
61	20.398	2956	2960	2964	rVV2	237498	334093	5.73%	0.450%
62	20.604	2992	2995	2998	rBV2	104243	165162	2.83%	0.222%
63	20.645	2999	3002	3004	rVV2	92285	120814	2.07%	0.163%
64	20.757	3018	3021	3024	rBV2	134720	175980	3.02%	0.237%
65	20.798	3024	3028	3034	rVB	531235	701312	12.04%	0.944%
66	20.957	3050	3055	3058	rBV3	492244	764224	13.12%	1.029%
67	20.998	3058	3062	3064	rVV	491850	641211	11.00%	0.863%
68	21.033	3064	3068	3073	rVV3	555611	1077165	18.49%	1.450%
69	21.092	3074	3078	3084	rVB2	474737	697017	11.96%	0.938%
70	21.298	3105	3113	3118	rBV3	3190166	5826798	100.00%	7.844%
71	21.345	3118	3121	3131	rVB	2330118	3339390	57.31%	4.496%
72	21.468	3138	3142	3148	rBV	416489	648863	11.14%	0.874%
73	21.527	3148	3152	3155	rBV2	207461	300283	5.15%	0.404%
74	21.633	3166	3170	3175	rBV2	323194	530929	9.11%	0.715%
75	21.886	3209	3213	3217	rVB	505020	720123	12.36%	0.969%
76	21.939	3219	3222	3228	rVB3	303671	502742	8.63%	0.677%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.092	3245	3248	3251	rBV	233117	317391	5.45%	0.427%
78	22.198	3262	3266	3271	rVB3	217774	352797	6.05%	0.475%
79	22.986	3393	3400	3405	rBV	2014915	4983760	85.53%	6.709%
80	23.163	3426	3430	3442	rVB	418759	760455	13.05%	1.024%
81	23.504	3482	3488	3497	rVB	1062065	2273052	39.01%	3.060%
82	23.604	3499	3505	3513	rVB	1637457	3141673	53.92%	4.229%
83	23.710	3518	3523	3527	rVV2	650912	1328937	22.81%	1.789%
84	23.762	3529	3532	3542	rVB2	453039	949718	16.30%	1.279%
85	26.209	3941	3948	3962	rVB2	748325	2327697	39.95%	3.134%

Sum of corrected areas: 74280195

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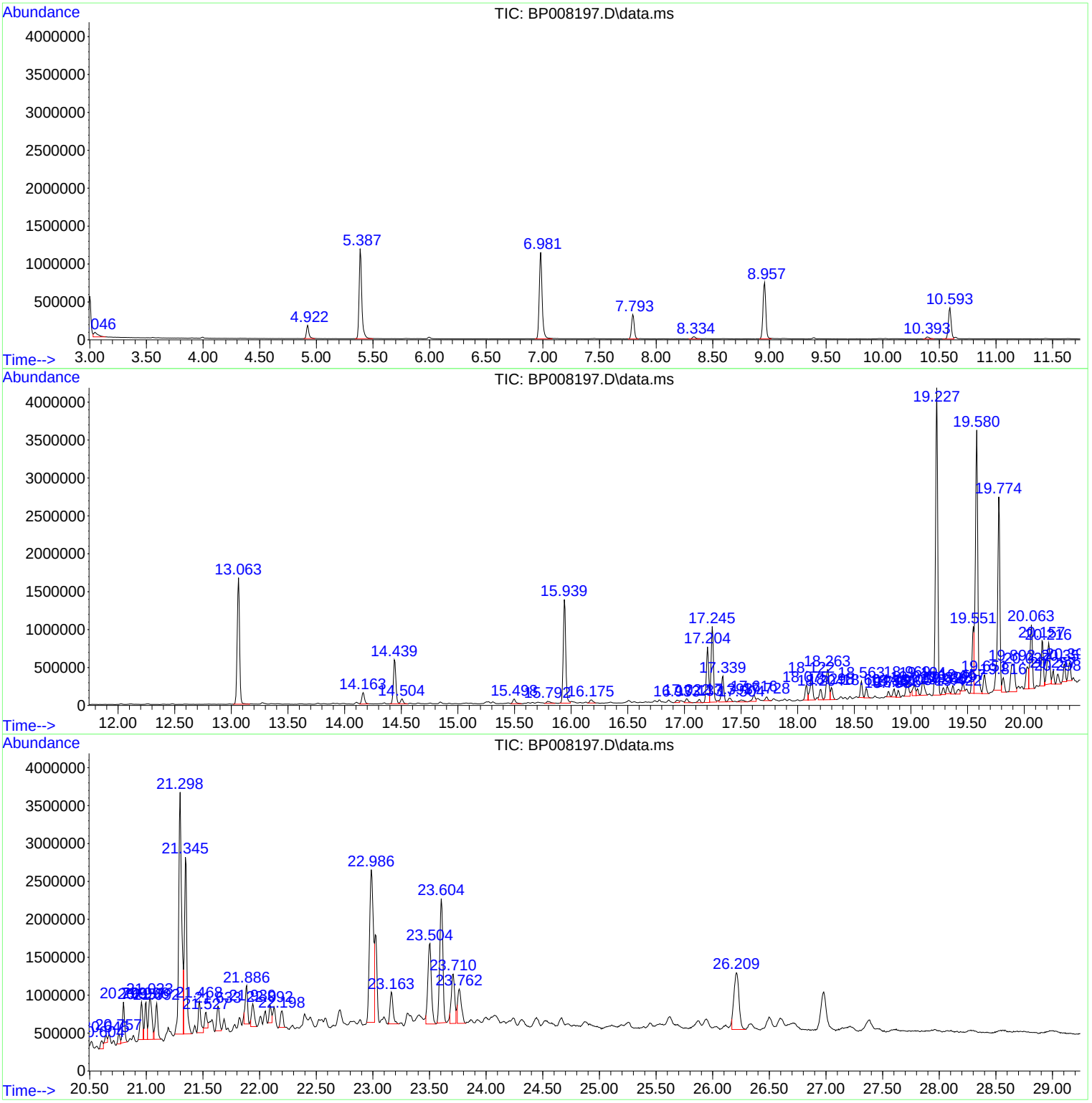
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
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Instrument :
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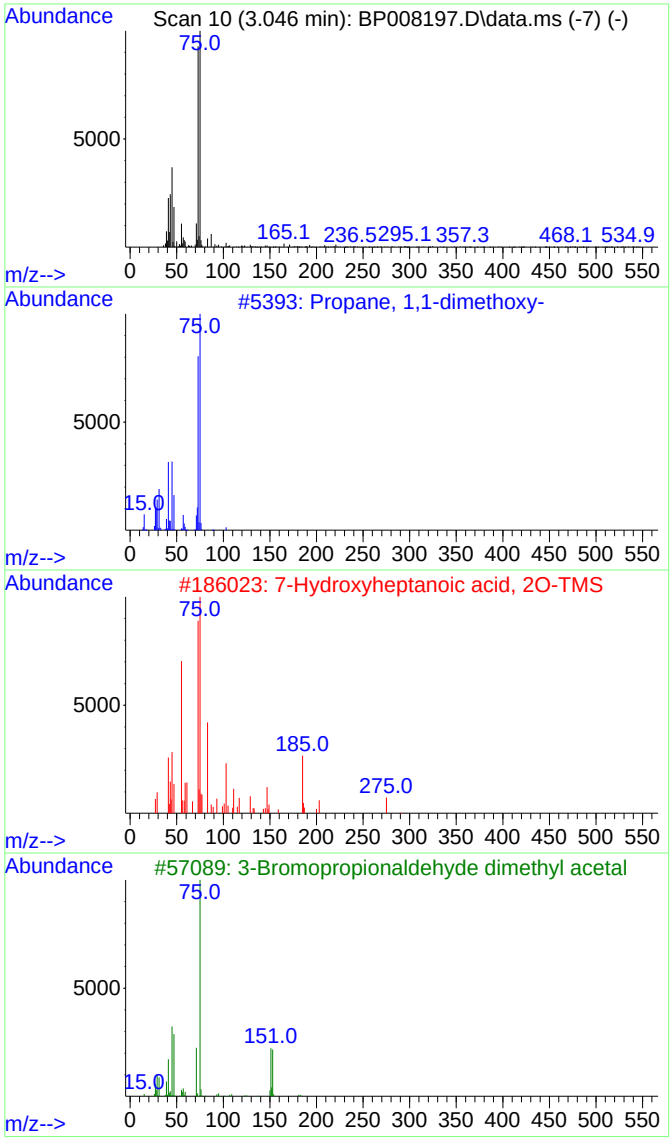
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

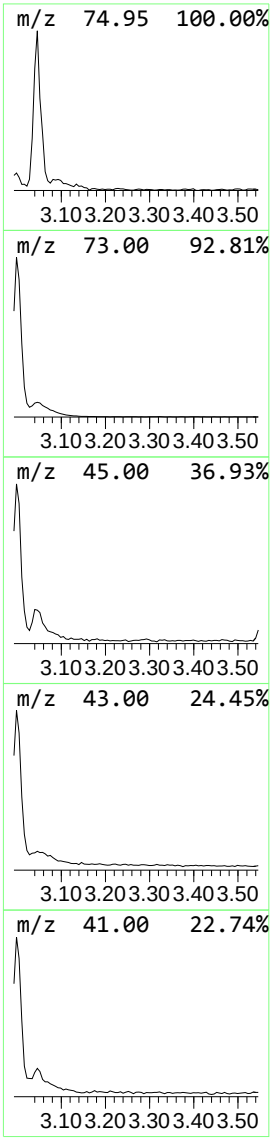
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.046	5.91 ng	156002	1,4-Dichlorobenzene-d4	7.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	7-Hydroxyheptanoic acid, 2O-TMS	290	C13H30O3Si2	150367-76-3	64
3	3-Bromopropionaldehyde dimethyl ...	182	C5H11BrO2	036255-44-4	59
4	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	59
5	Undecanal dimethyl acetal	216	C13H28O2	052517-67-6	50





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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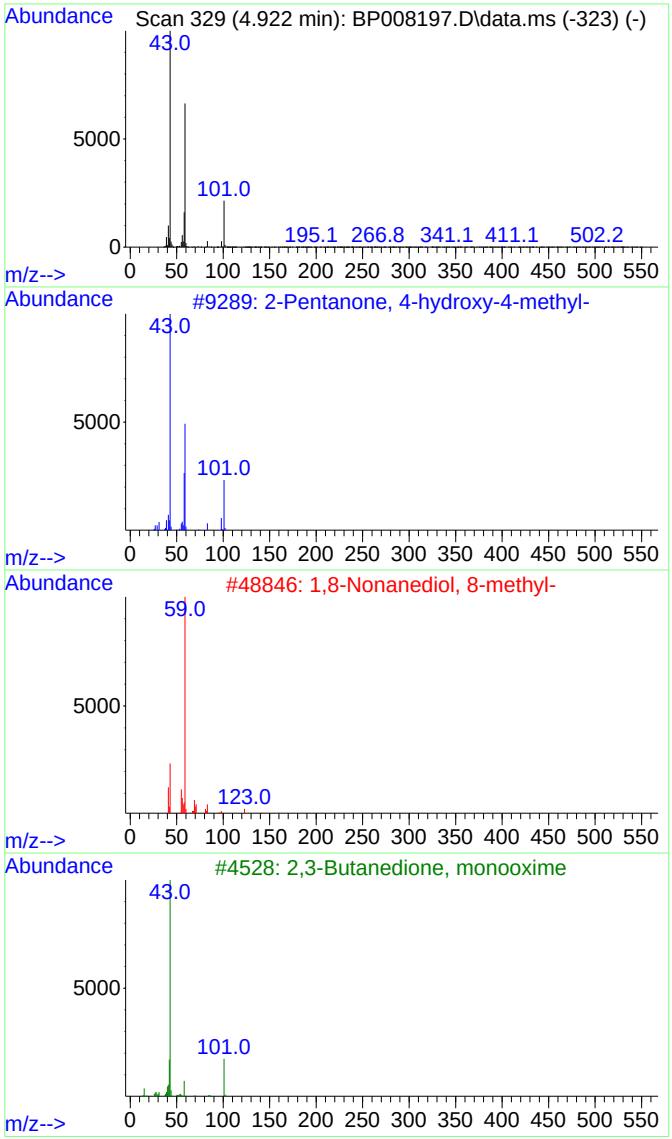
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

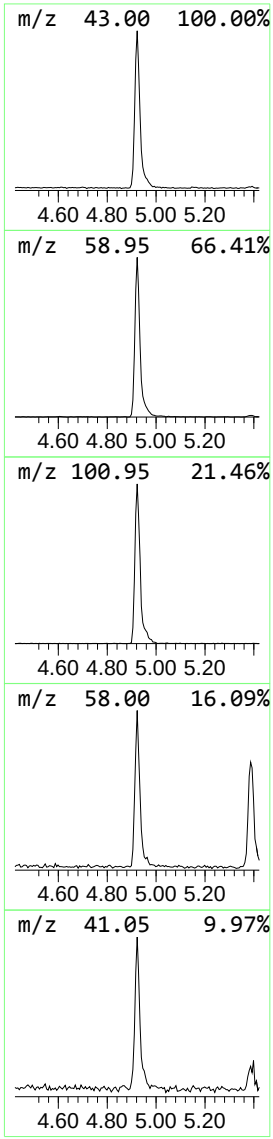
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.922	10.01 ng	264491	1,4-Dichlorobenzene-d4	7.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	1,2-Butanediol	90	C4H10O2	000584-03-2	9





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

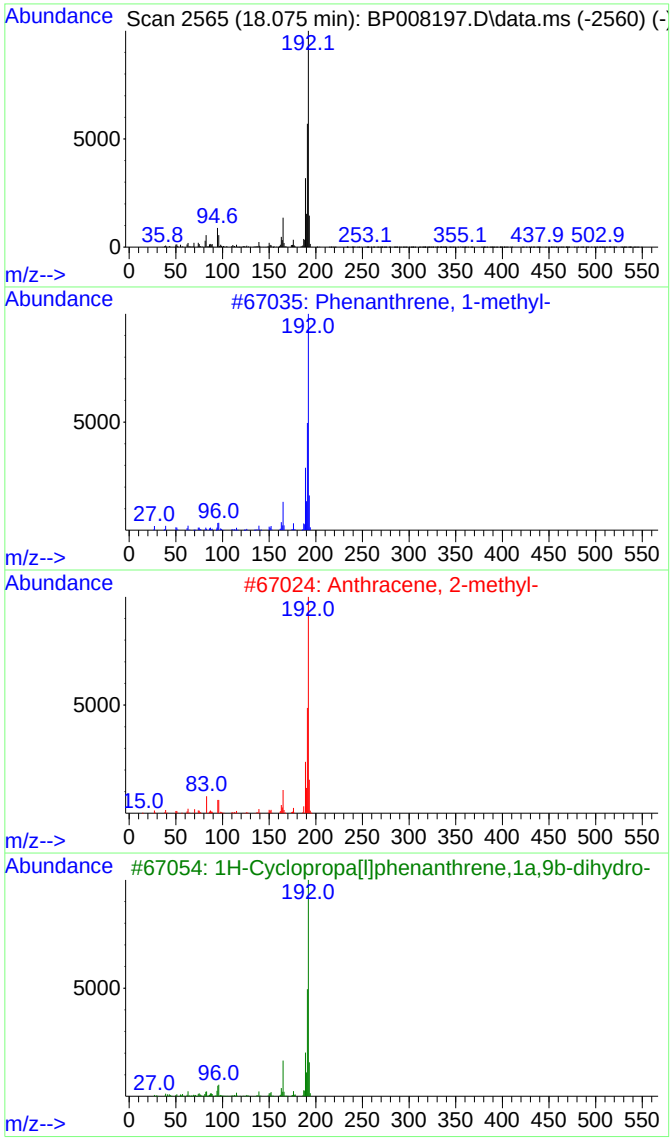
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

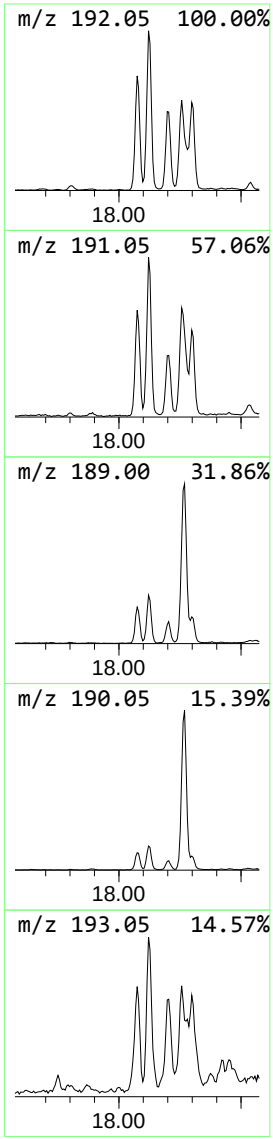
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	5.36 ng	280128	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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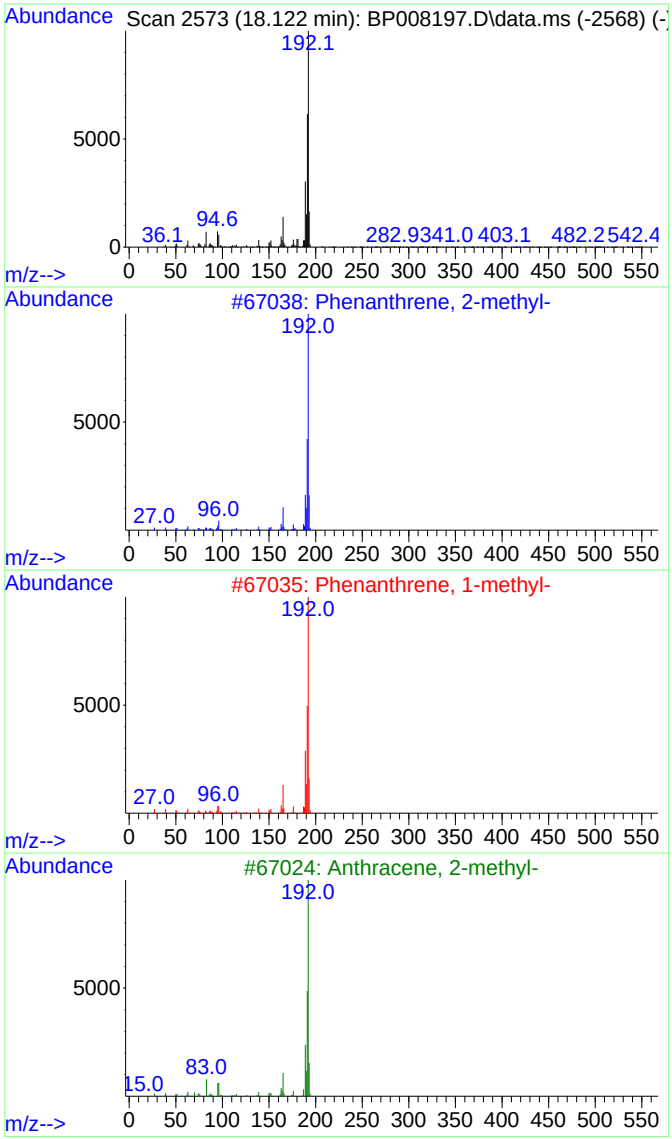
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

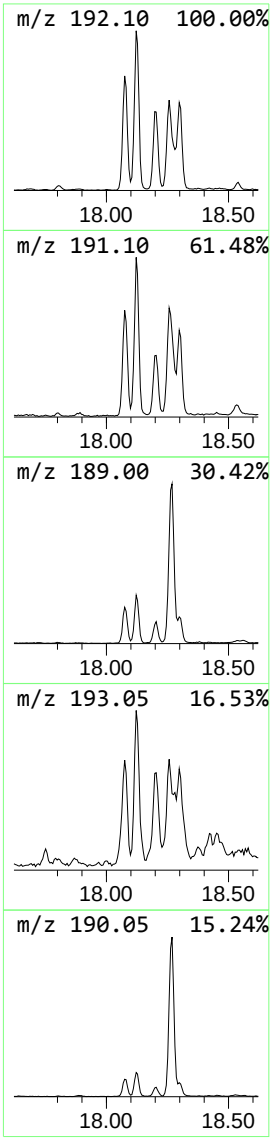
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	9.72 ng	508182	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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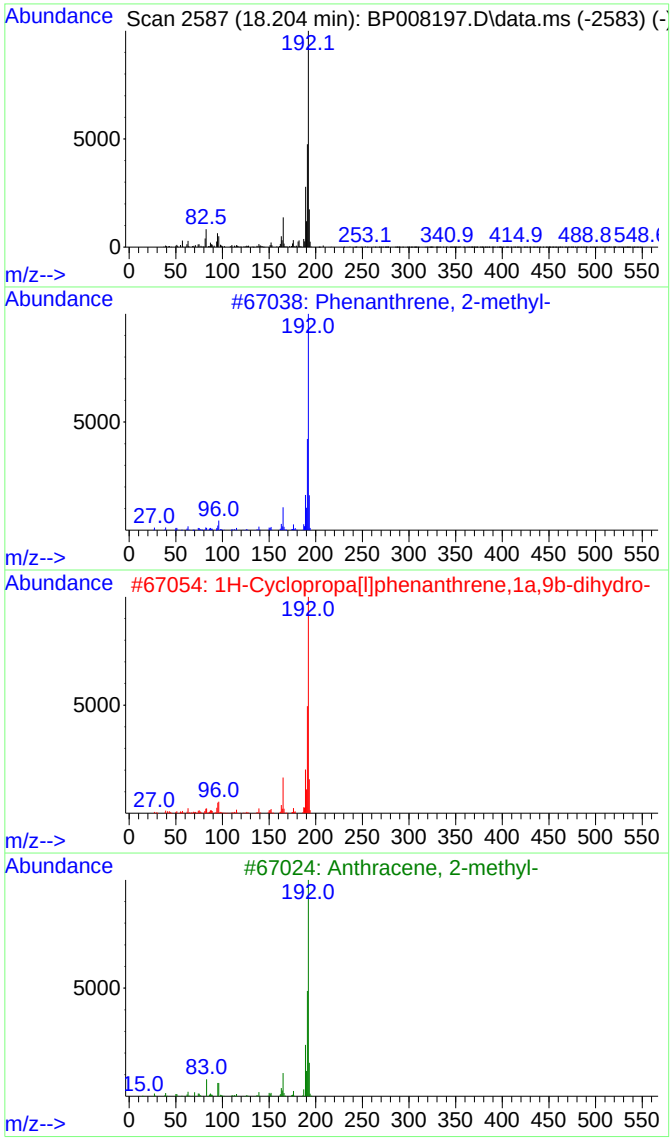
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

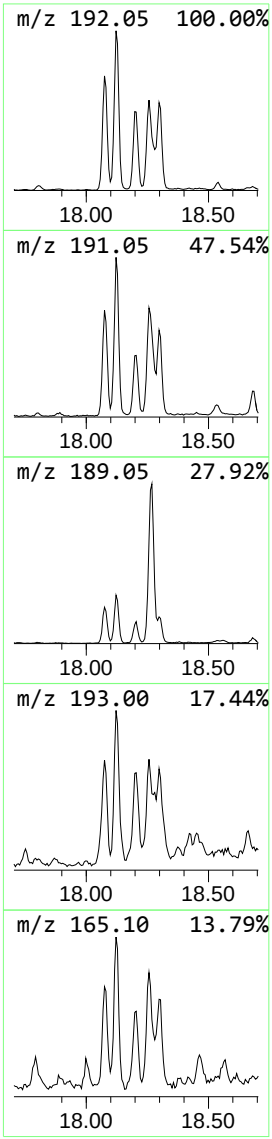
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.204	3.83 ng	200046	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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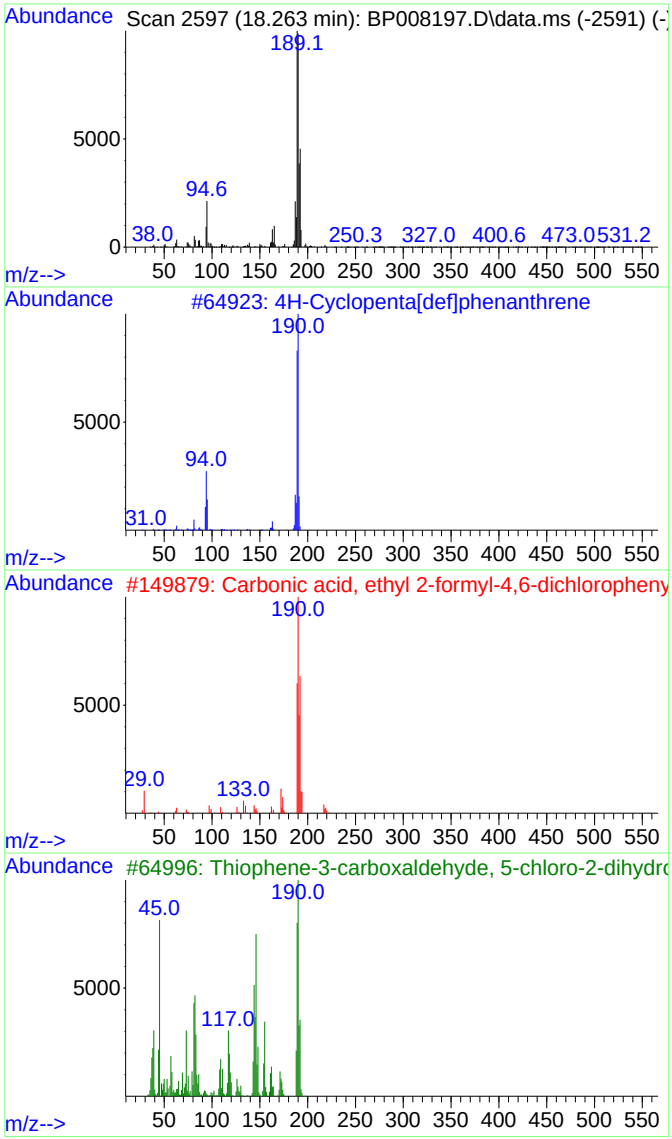
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

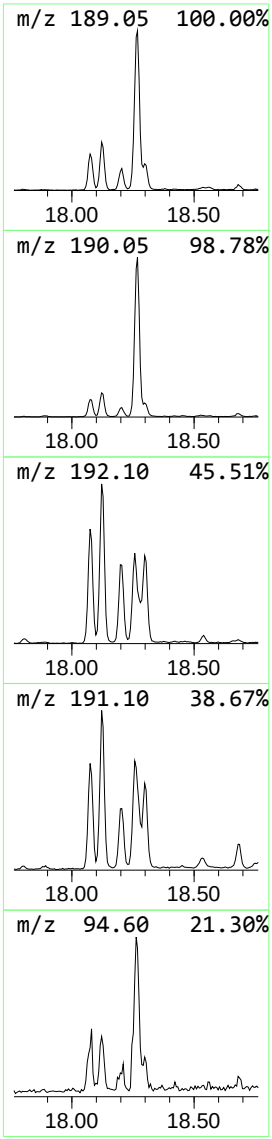
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	13.38 ng	699396	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-5-120121

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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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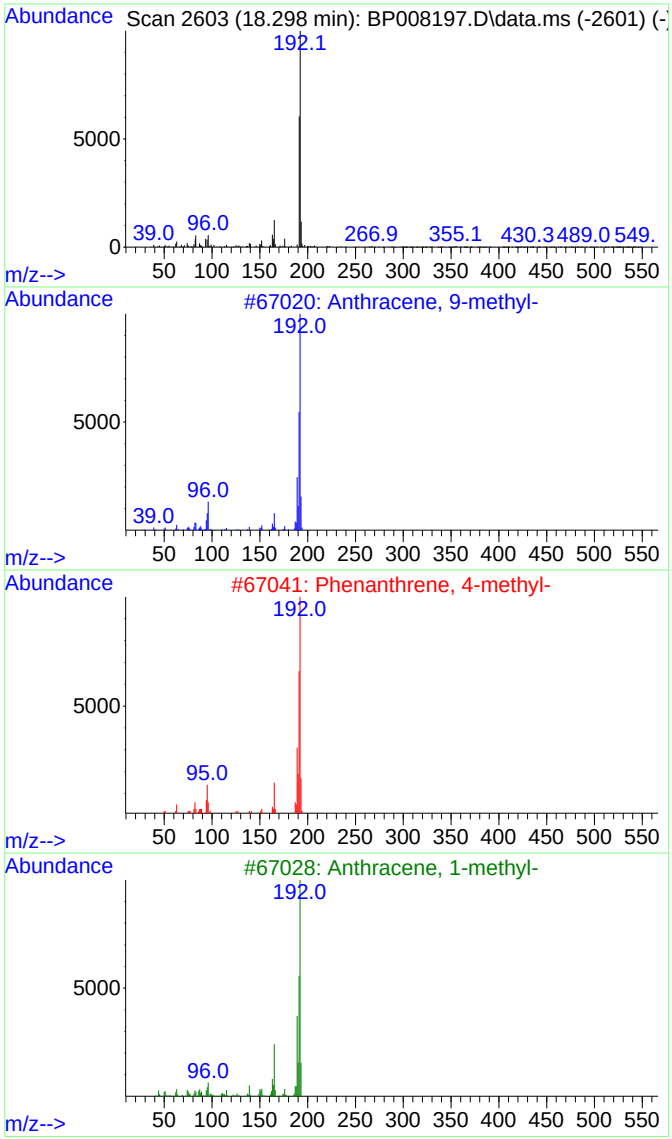
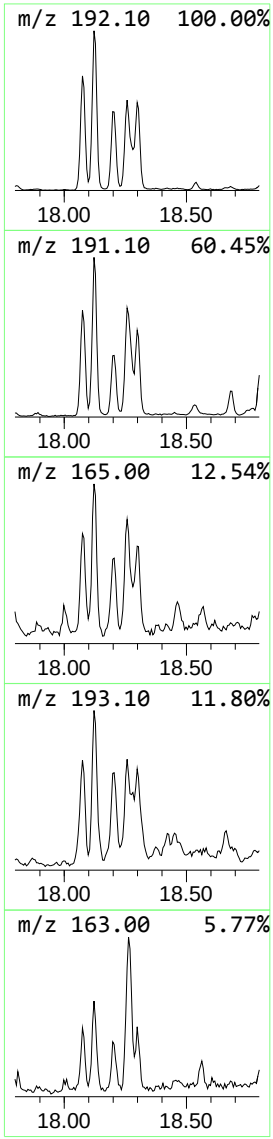
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.298	3.81 ng	199344	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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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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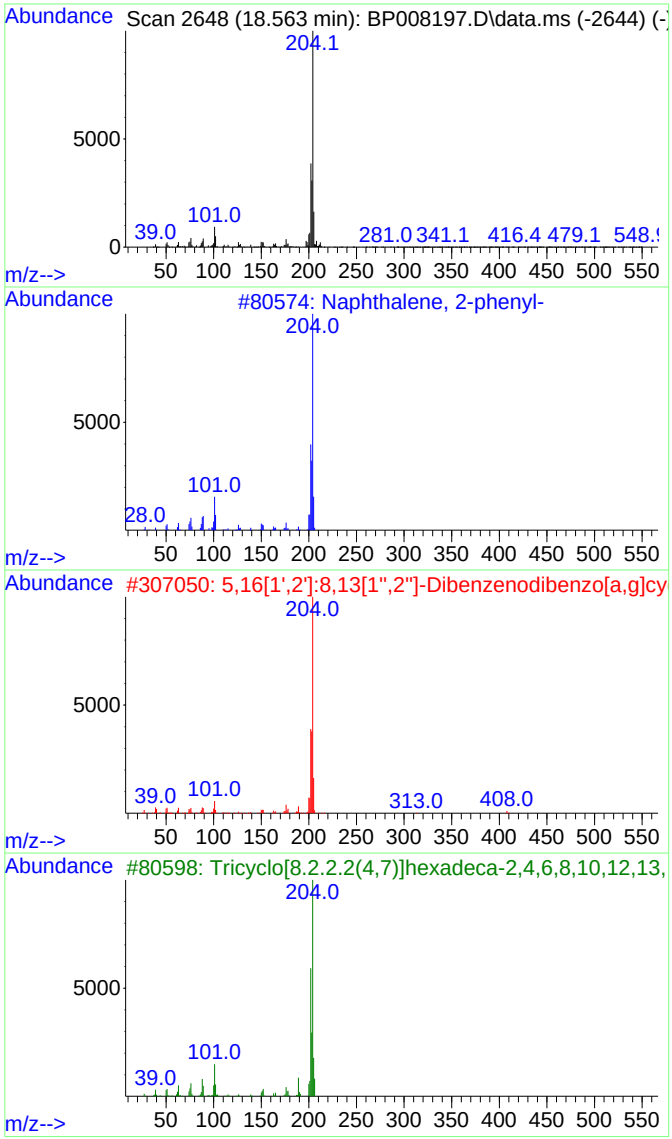
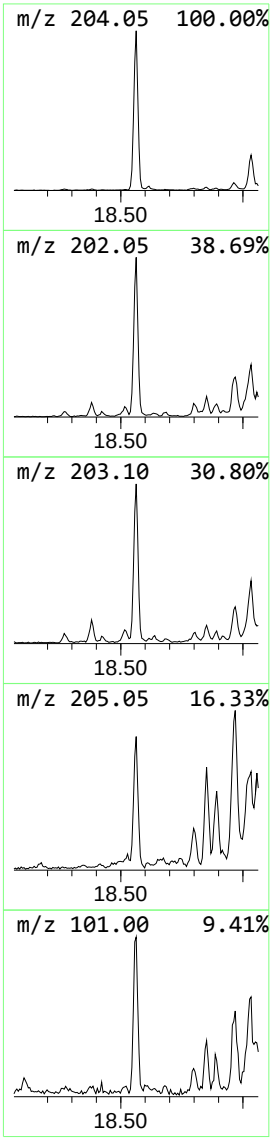
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	4.89 ng	255903	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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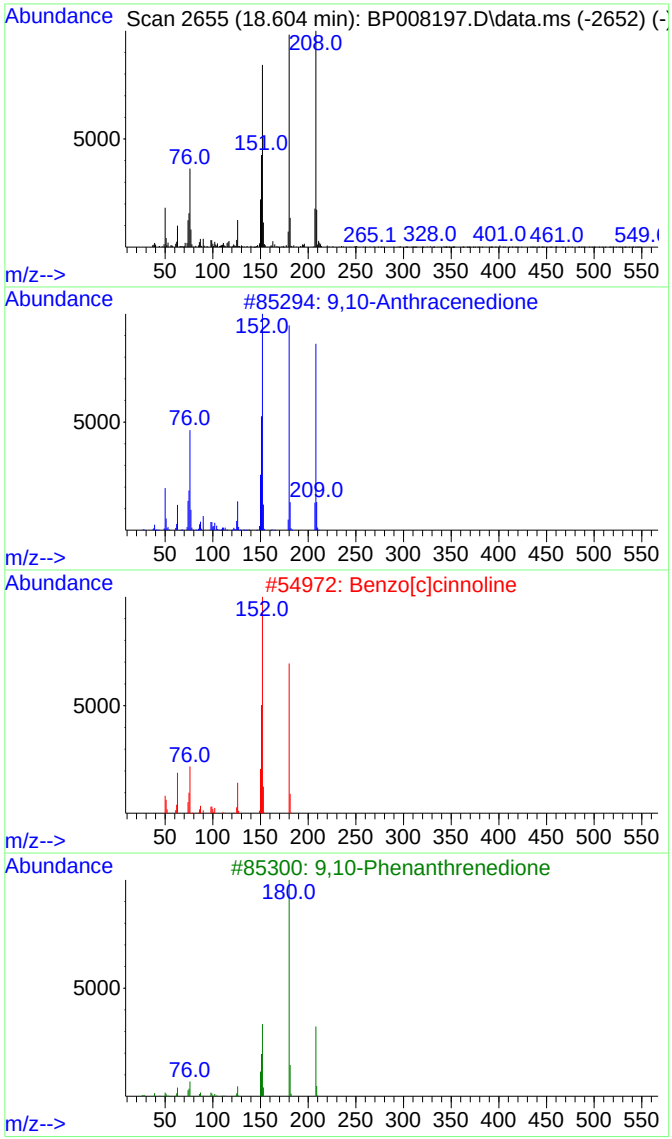
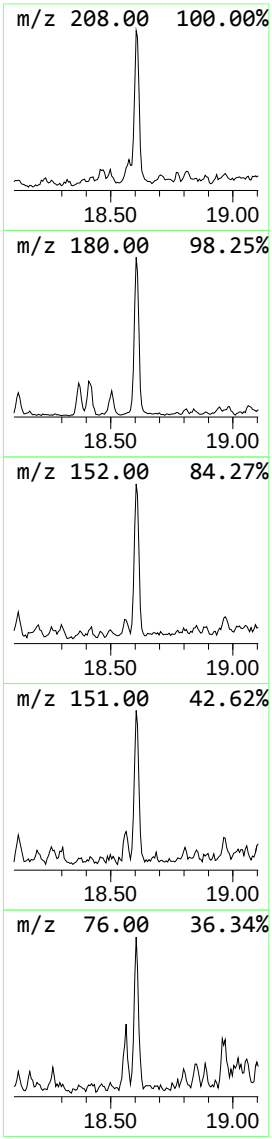
Peak Number 9 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	3.13 ng	163505	Phenanthrene-d10	17.204

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	70
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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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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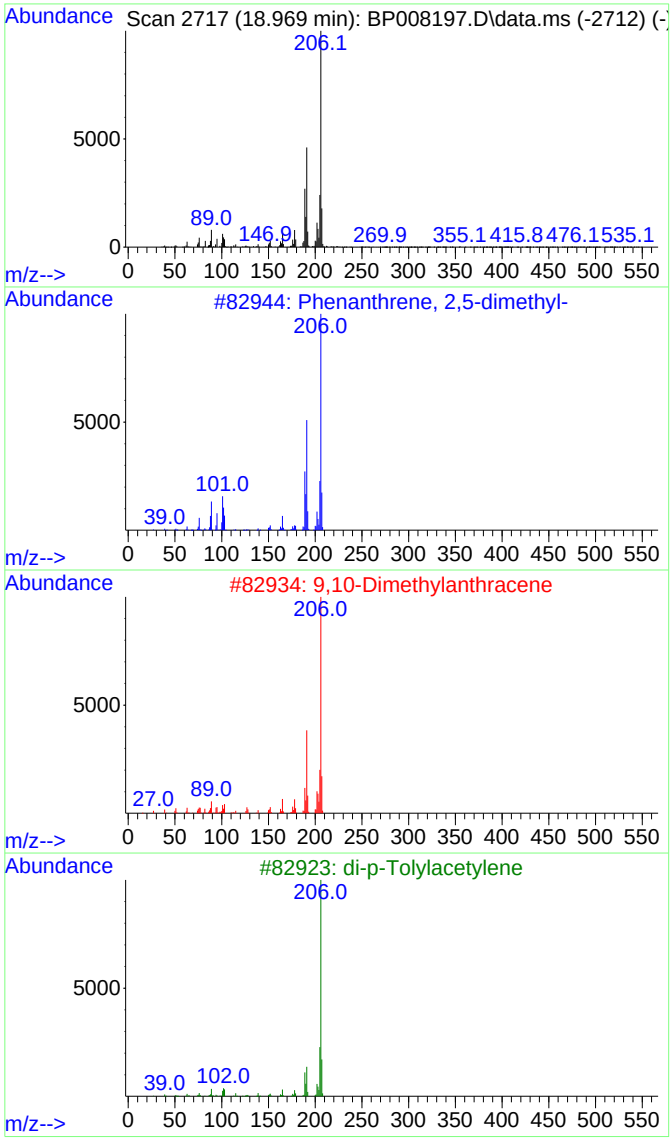
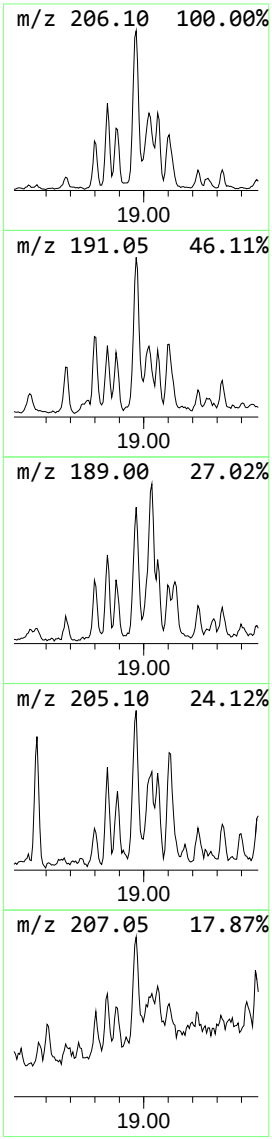
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.969	6.70 ng	350249	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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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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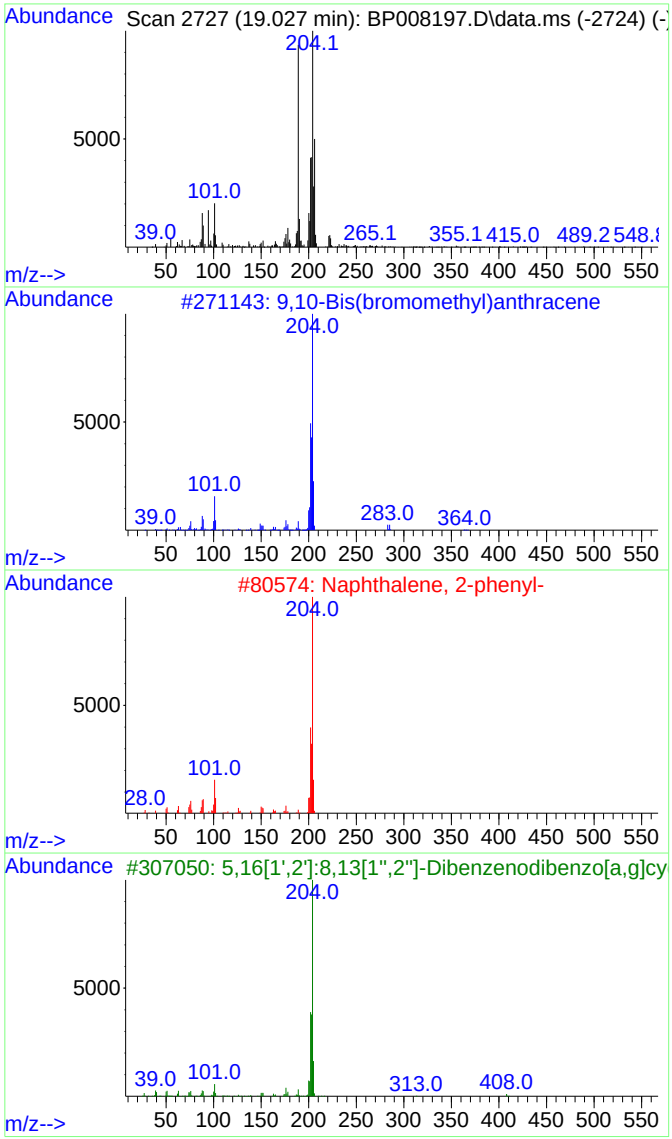
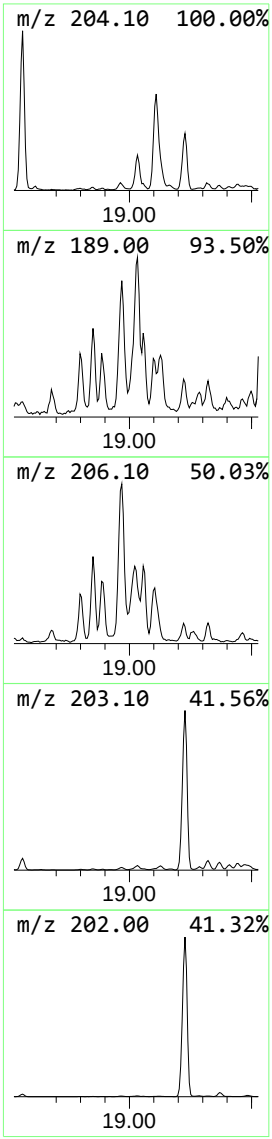
Peak Number 11 unknown19.027 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.027	4.07 ng	212868	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38





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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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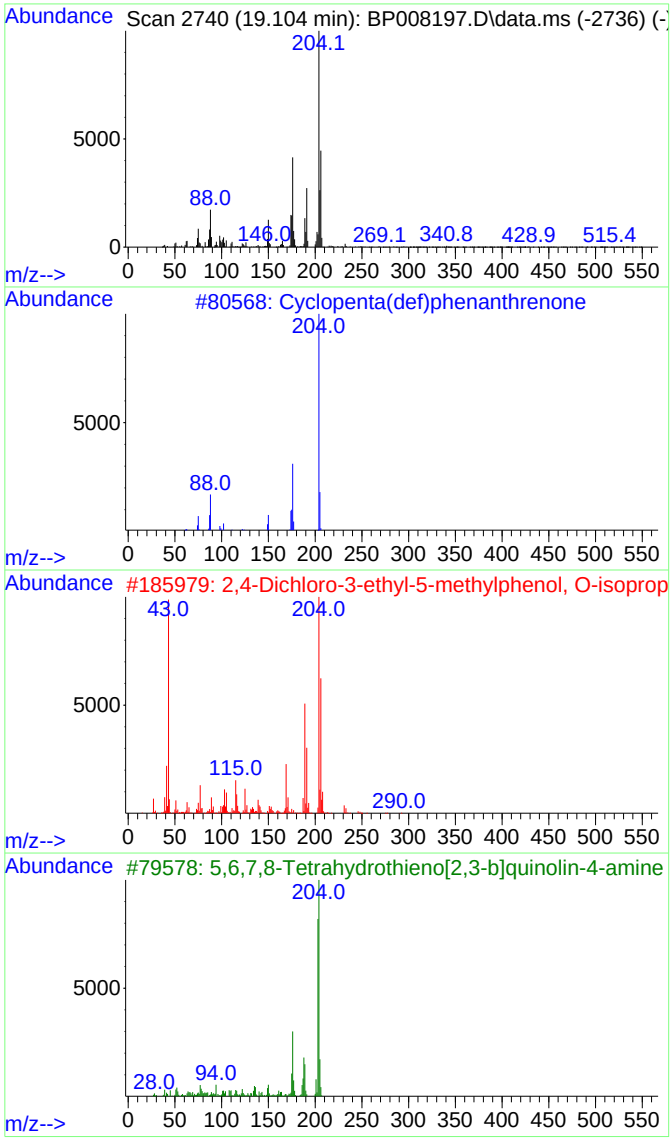
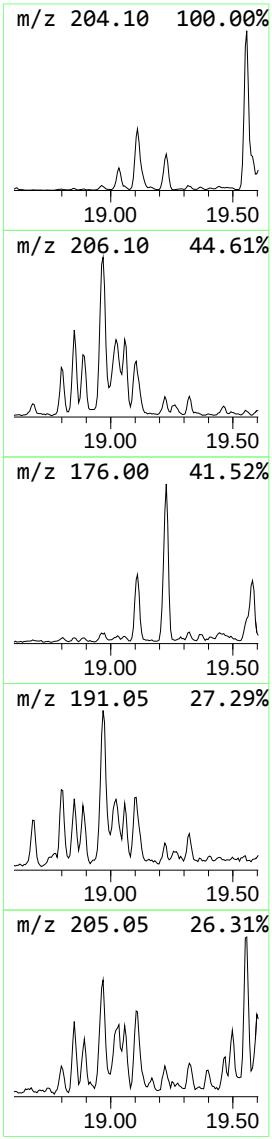
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	6.08 ng	318025	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-9	43
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	40
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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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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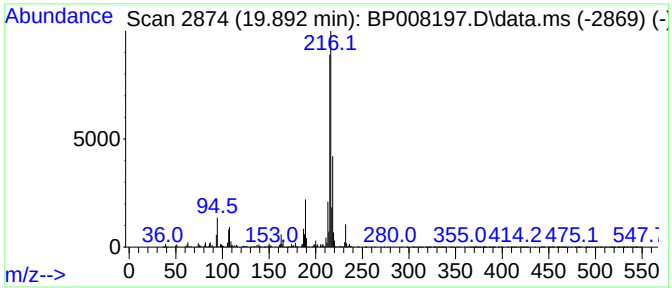
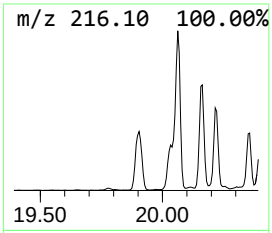
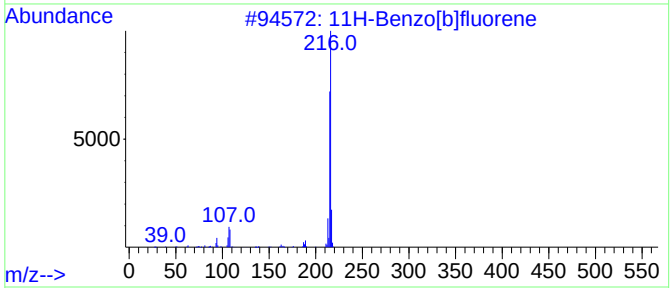
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 18

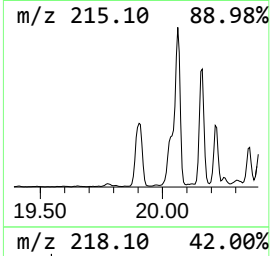
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.892	3.18 ng	927186	Chrysene-d12	21.310

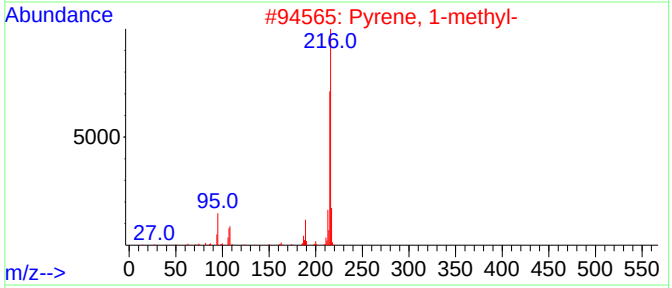
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60

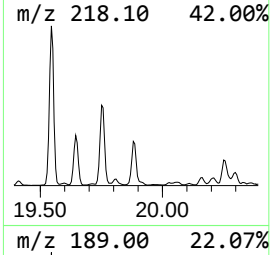


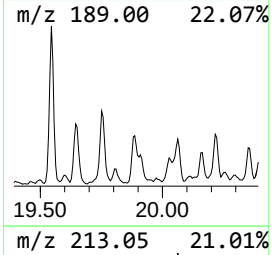


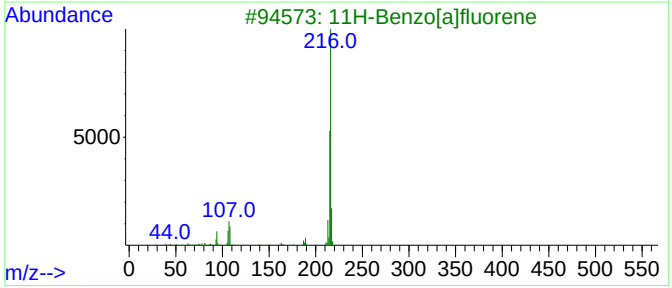


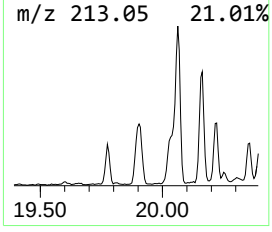












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Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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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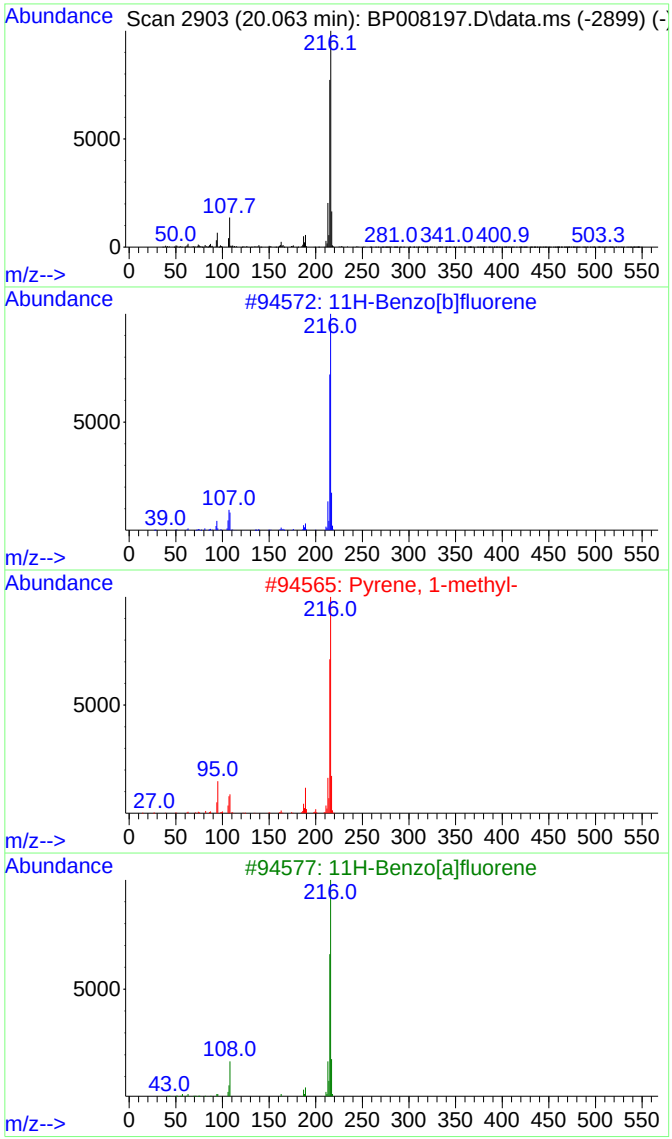
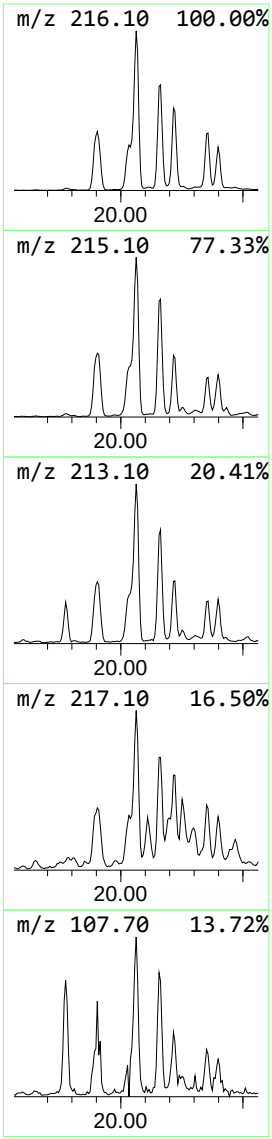
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.063	4.05 ng	1180280	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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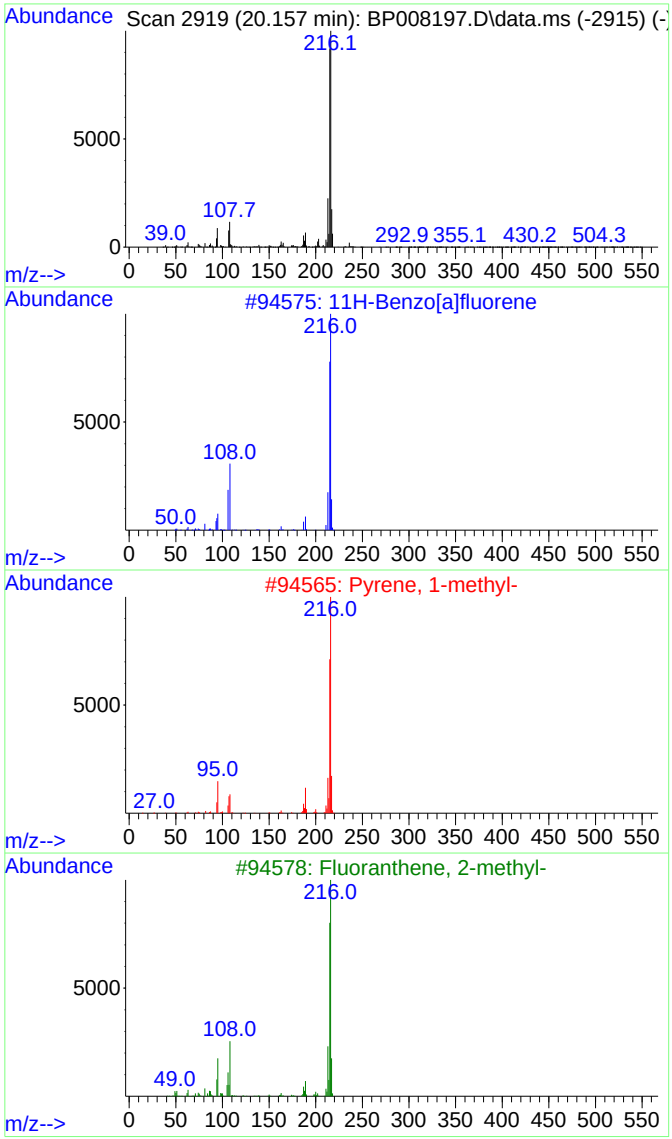
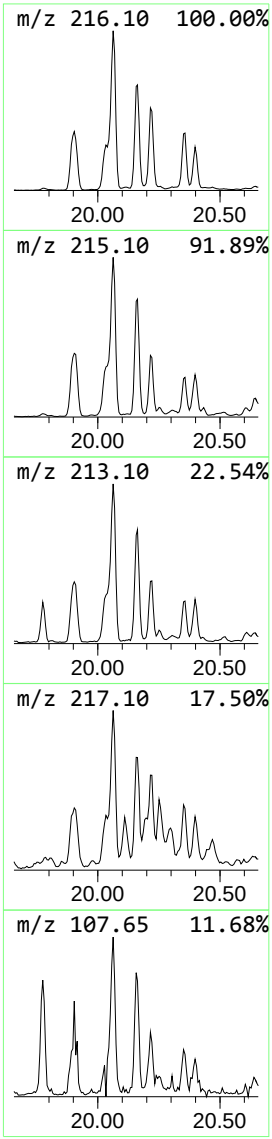
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.157	2.65 ng	772828	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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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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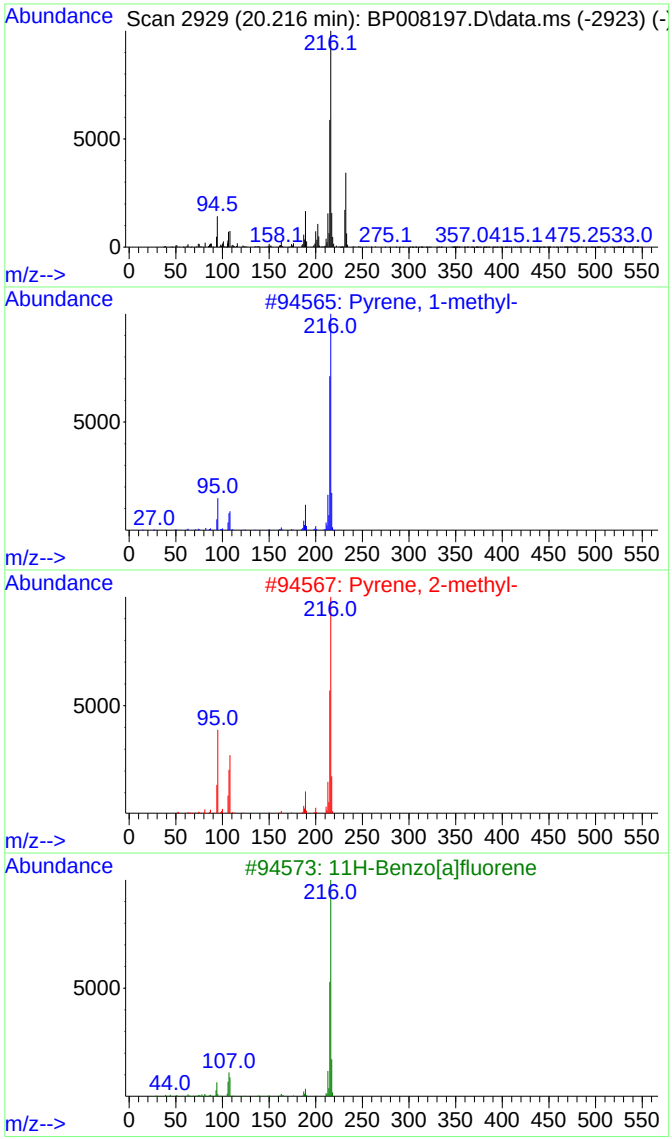
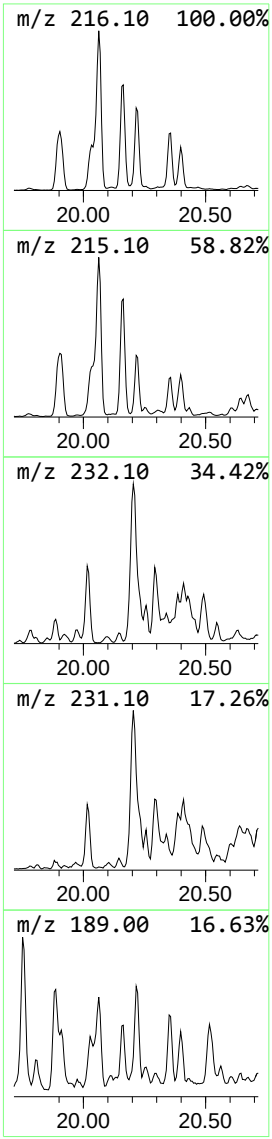
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.216	3.18 ng	927467	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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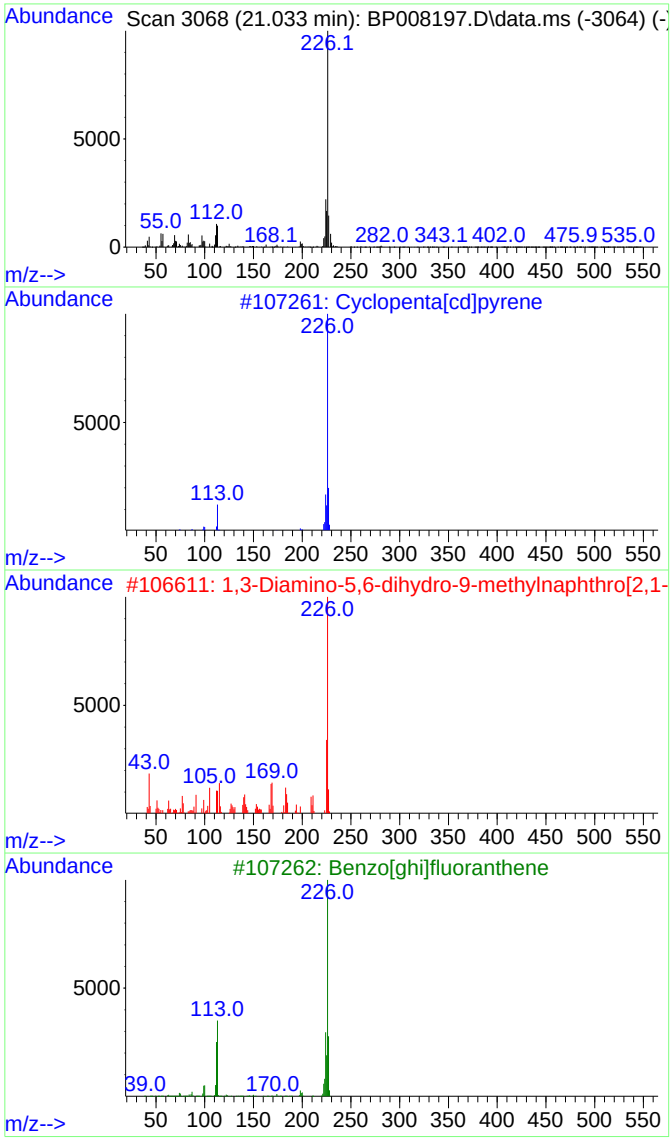
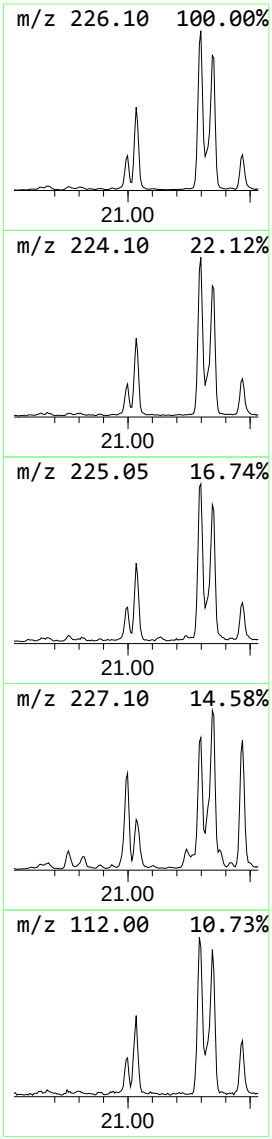
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.033	3.70 ng	1077170	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	68
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
5	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	53





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Data File : BP008197.D
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Sample : M4877-03
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
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TIC Library : C:\Database\NIST20.L
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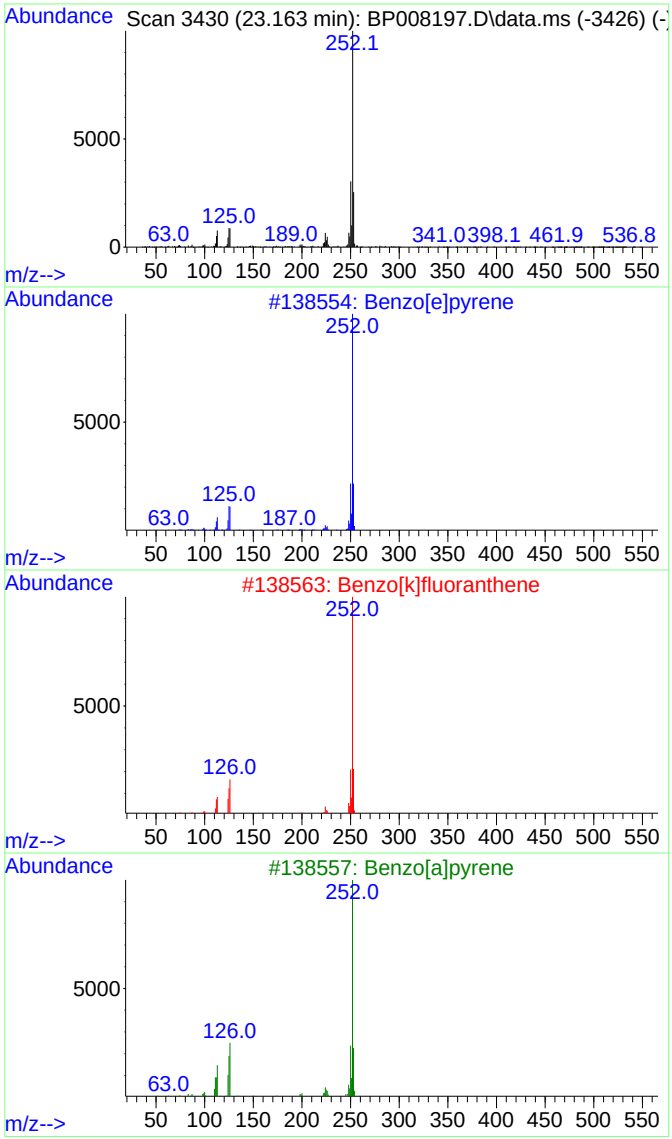
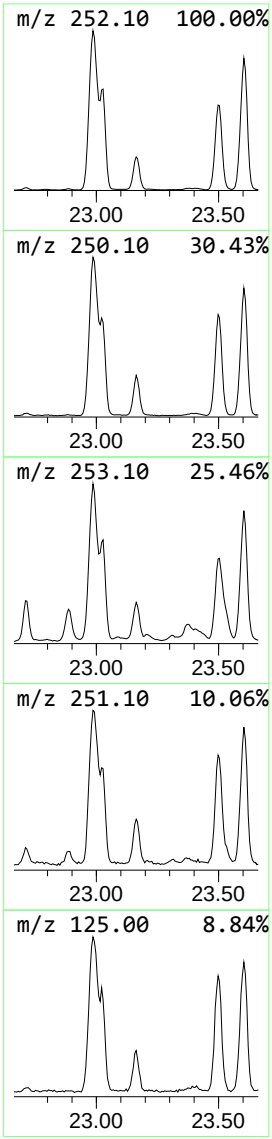
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.163	11.44 ng	760455	Perylene-d12	23.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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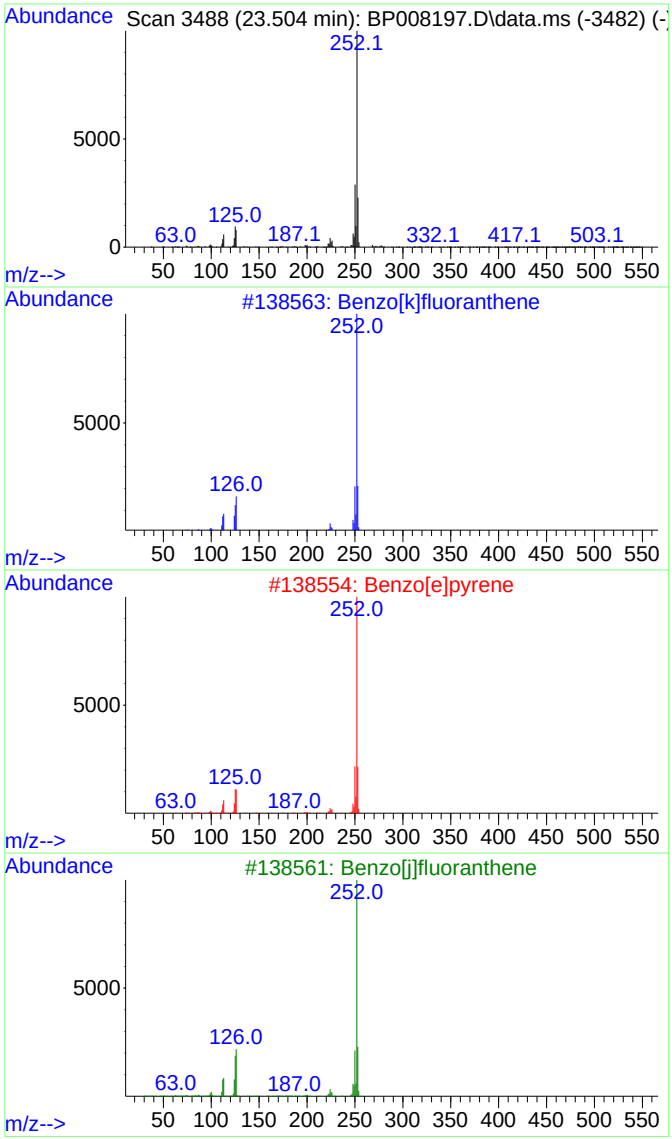
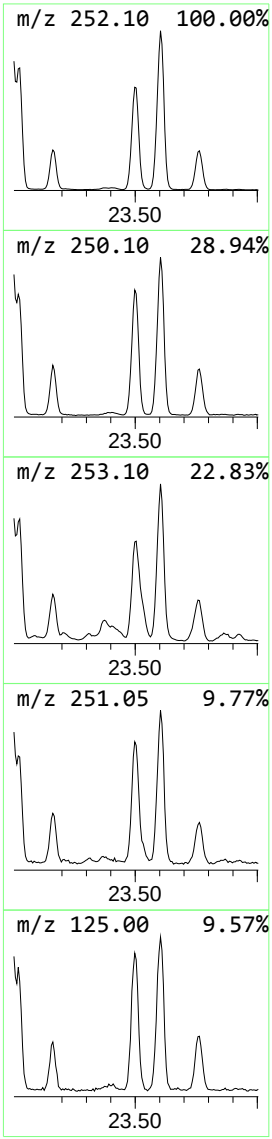
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.504	34.21 ng	2273050	Perylene-d12	23.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





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Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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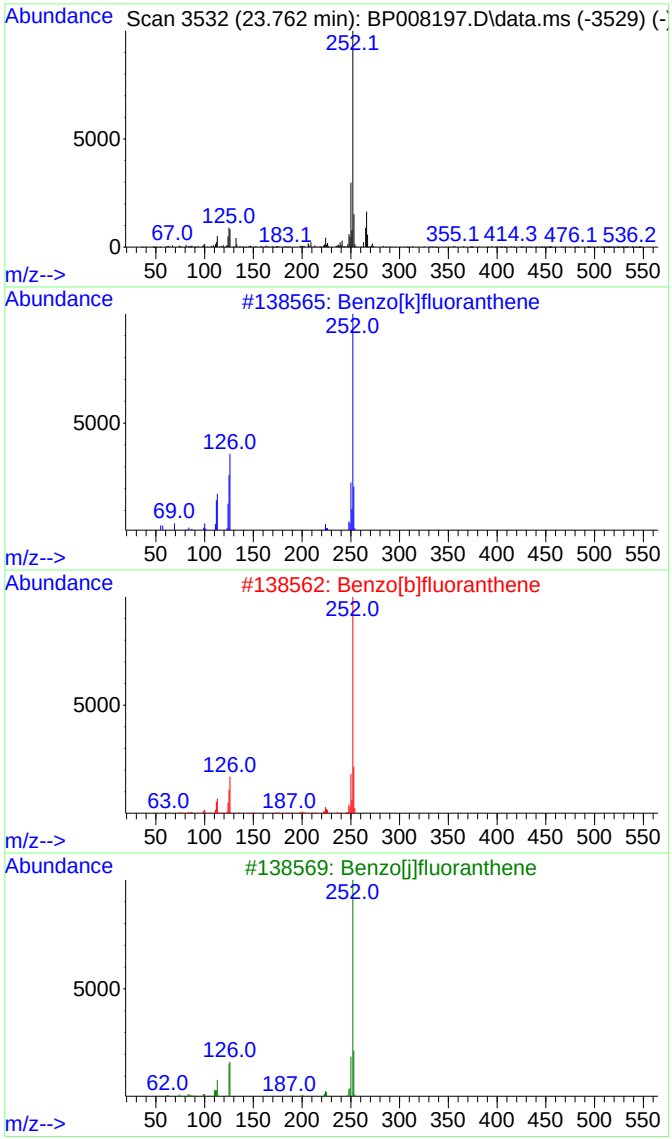
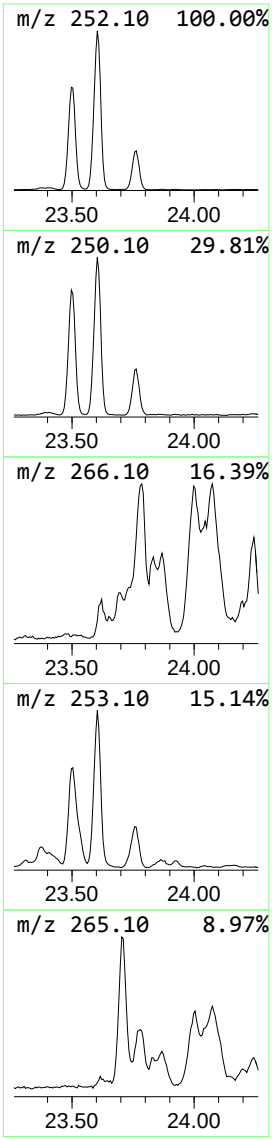
Peak Number 20 2-(Morpholin-4-yl)-5-(pyrid... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.762	14.29 ng	949718	Perylene-d12	23.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	70
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
4	Benzo[e]pyrene	252	C20H12	000192-97-2	60
5	2-(Morpholin-4-yl)-5-(pyridin-4-...	309	C16H15N5O2	1000388-65-1	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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
Propane, 1,1-di...	3.046	5.9	ng	156002	1	7.793	528226	20.0
2-Pentanone, 4-...	4.922	10.0	ng	264491	1	7.793	528226	20.0
Phenanthrene, 1...	18.075	5.4	ng	280128	4	17.204	1045760	20.0
Phenanthrene, 2...	18.122	9.7	ng	508182	4	17.204	1045760	20.0
1H-Cyclopropa[l...	18.204	3.8	ng	200046	4	17.204	1045760	20.0
4H-Cyclopenta[d...	18.263	13.4	ng	699396	4	17.204	1045760	20.0
Anthracene, 9-m...	18.298	3.8	ng	199344	4	17.204	1045760	20.0
Naphthalene, 2-...	18.563	4.9	ng	255903	4	17.204	1045760	20.0
9,10-Anthracene...	18.604	3.1	ng	163505	4	17.204	1045760	20.0
Phenanthrene, 2...	18.969	6.7	ng	350249	4	17.204	1045760	20.0
unknown19.027	19.027	4.1	ng	212868	4	17.204	1045760	20.0
Cyclopenta(def)...	19.104	6.1	ng	318025	4	17.204	1045760	20.0
11H-Benzo[b]flu...	19.892	3.2	ng	927186	5	21.310	5826800	20.0
Pyrene, 1-methyl-	20.063	4.0	ng	1180280	5	21.310	5826800	20.0
11H-Benzo[a]flu...	20.157	2.6	ng	772828	5	21.310	5826800	20.0
Pyrene, 2-methyl-	20.216	3.2	ng	927467	5	21.310	5826800	20.0
Cyclopenta[cd]p...	21.033	3.7	ng	1077170	5	21.310	5826800	20.0
Benzo[e]pyrene	23.163	11.4	ng	760455	6	23.710	1328940	20.0
Benzo[j]fluoran...	23.504	34.2	ng	2273050	6	23.710	1328940	20.0
2-(Morpholin-4-...	23.762	14.3	ng	949718	6	23.710	1328940	20.0