LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

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\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.311	33	38	47	rVB	480774	720632	9.80%	0.744%
2	5.734	615	620	635	rBV	428663	610265	8.30%	0.630%
3	6.305	708	717	729	rBV	2733511	3227038	43.89%	3.330%
4	7.816	967	974	981	rBV	2720626	3700253	50.32%	3.818%
5	8.010	1001	1007	1012	rBV	3099323	3730645	50.74%	3.850%
6	8.375	1063	1069	1074	rBV	1232175	1393262	18.95%	1.438%
7	8.616	1104	1110	1114	rBV	2680248	3198667	43.50%	3.301%
8	9.246	1211	1217	1221	rBV	1996114	2280187	31.01%	2.353%
9	10.398	1408	1413	1418	rBV	1513553	1762003	23.96%	1.818%
10	12.175	1709	1715	1720	rBV	4384886	5242843	71.30%	5.410%
11	12.839	1824	1828	1835	rVB	255974	297653	4.05%	0.307%
12	13.263	1894	1900	1904	rBV	1795267	2185592	29.72%	2.255%
13	13.310	1904	1908	1913	rVB	324146	369287	5.02%	0.381%
14	13.598	1952	1957	1965	rBV	106576	143798	1.96%	0.148%
15	13.669	1965	1969	1978	rBV	64368	97627	1.33%	0.101%
16	14.157	2047	2052	2057	rVB	327197	375309	5.10%	0.387%
17	14.428	2094	2098	2108	rVB	55302	78046	1.06%	0.081%
18	14.551	2108	2119	2130	rBV	2764452	3462430	47.09%	3.573%
19	15.063	2200	2206	2209	rBV2	71240	102388	1.39%	0.106%
20	15.351	2251	2255	2266	rVB3	42973	87604	1.19%	0.090%
21	15.451	2266	2272	2276	rBV2	111119	169280	2.30%	0.175%
22	15.492	2276	2279	2283	rVB	219779	240368	3.27%	0.248%
23	15.657	2301	2307	2310	rBV	1986869	2440077	33.18%	2.518%
24	15.692	2310	2313	2317	rVV	4226953	4624419	62.89%	4.772%
25	15.769	2321	2326	2334	rVB	1292130	1512161	20.56%	1.560%
26	16.010	2363	2367	2374	rVB	341471	390702	5.31%	0.403%
27	16.157	2389	2392	2398	rVB3	63615	85148	1.16%	0.088%
28	16.410	2428	2435	2438	rBV	403508	490346	6.67%	0.506%
29	16.445	2438	2441	2448	rVB	586926	642568	8.74%	0.663%
30	16.516	2448	2453	2454	rBV	228745	256689	3.49%	0.265%
31	16.557	2457	2460	2464	rVV	968742	1282173	17.44%	1.323%
32	16.592	2464	2466	2471	rVB	255555	301922	4.11%	0.312%
33	16.839	2504	2508	2517	rBV2	437722	630642	8.58%	0.651%
34	17.045	2540	2543	2547	rVB	107956	113565	1.54%	0.117%

LSC Area Percent Report

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Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

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\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.092	2547	2551	2553	rBV	127183	133964	1.82%	0.138%
36	17.122	2553	2556	2561	rVB	114887	123265	1.68%	0.127%
37	17.192	2563	2568	2571	rBV	265455	379249	5.16%	0.391%
38	17.233	2572	2575	2579	rBV	147923	197671	2.69%	0.204%
39	17.310	2585	2588	2593	rVB3	93447	157775	2.15%	0.163%
40	17.404	2598	2604	2608	rBV	6592847	7353164	100.00%	7.587%
41	17.486	2614	2618	2621	rBV4	100458	138095	1.88%	0.142%
42	17.598	2633	2637	2639	rBV	198433	224917	3.06%	0.232%
43	17.622	2639	2641	2646	rVV3	112000	148353	2.02%	0.153%
44	17.710	2650	2656	2659	rVV3	5192224	7319899	99.55%	7.553%
45	17.739	2659	2661	2665	rVV	190346	264710	3.60%	0.273%
46	17.780	2665	2668	2670	rVV	216077	235276	3.20%	0.243%
47	17.810	2670	2673	2678	rVB	126927	146923	2.00%	0.152%
48	17.875	2681	2684	2687	rBV	392798	406309	5.53%	0.419%
49	17.933	2687	2694	2698	rVV	5336469	5802472	78.91%	5.987%
50	17.986	2700	2703	2705	rVV	159008	193396	2.63%	0.200%
51	18.016	2705	2708	2711	rVV	255707	378028	5.14%	0.390%
52	18.045	2711	2713	2717	rVB2	128845	124073	1.69%	0.128%
53	18.127	2723	2727	2728	rBV	173731	225693	3.07%	0.233%
54	18.157	2728	2732	2737	rVB	929979	1134758	15.43%	1.171%
55	18.245	2743	2747	2751	rBV2	966185	1011495	13.76%	1.044%
56	18.292	2751	2755	2758	rBV	574571	652812	8.88%	0.674%
57	18.327	2758	2761	2765	rVV	276209	349605	4.75%	0.361%
58	18.369	2766	2768	2772	rVB2	154997	168546	2.29%	0.174%
59	18.410	2772	2775	2778	rBV	302855	293105	3.99%	0.302%
60	18.451	2779	2782	2788	rBV	289542	385172	5.24%	0.397%
61	18.963	2865	2869	2874	rBV2	367229	616502	8.38%	0.636%
62	19.010	2874	2877	2878	rVV	296543	300583	4.09%	0.310%
63	19.027	2878	2880	2883	rVB	215785	203560	2.77%	0.210%
64	19.157	2899	2902	2910	rVB3	559527	833213	11.33%	0.860%
65	19.286	2918	2924	2929	rBV2	3020426	5742752	78.10%	5.926%
66	19.327	2929	2931	2935	rVB	2113661	2068781	28.13%	2.135%
67	19.427	2945	2948	2952	rVB	572334	619451	8.42%	0.639%
68	19.533	2964	2966	2969	rBV	164346	174821	2.38%	0.180%
69	19.798	3006	3011	3014	rBV	481577	667028	9.07%	0.688%
70	19.916	3028	3031	3034	rVB2	252173	250064	3.40%	0.258%
71	19.974	3039	3041	3047	rVB2	472318	561126	7.63%	0.579%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.439	3118	3120	3124	rVB2	197147	200959	2.73%	0.207%
73	20.586	3140	3145	3149	rBV	1580180	2790150	37.94%	2.879%
74	20.710	3163	3166	3170	rVB	329059	401961	5.47%	0.415%
75	20.939	3200	3205	3212	rVB	814593	1147157	15.60%	1.184%
76	21.010	3212	3217	3222	rVB	1370022	1793717	24.39%	1.851%
77	21.080	3224	3229	3233	rVV	1440756	2075302	28.22%	2.141%
78	21.116	3233	3235	3239	rVB	344285	354052	4.81%	0.365%
79	22.745	3507	3512	3523	rVB2	481253	1113408	15.14%	1.149%
80	23.239	3592	3596	3611	rVB	370367	802968	10.92%	0.829%

Sum of corrected areas: 96911869

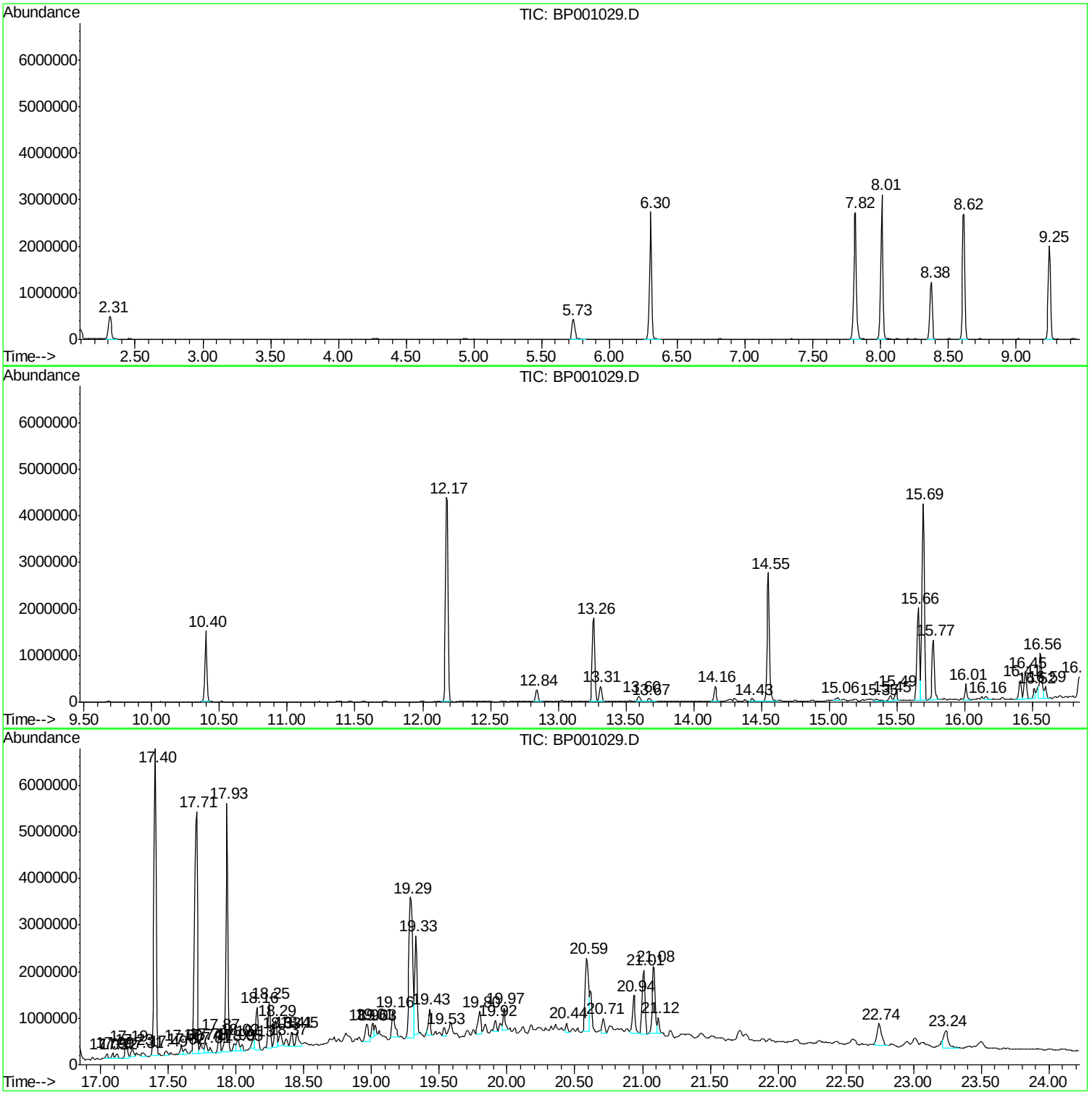
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

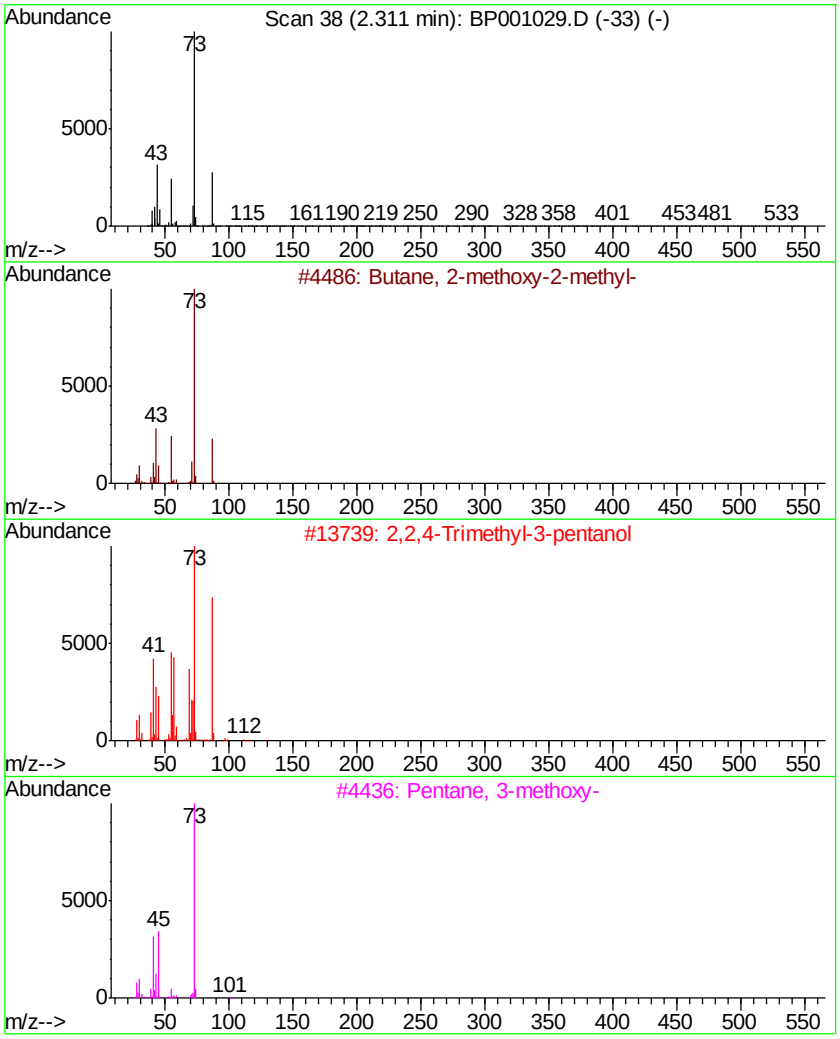
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

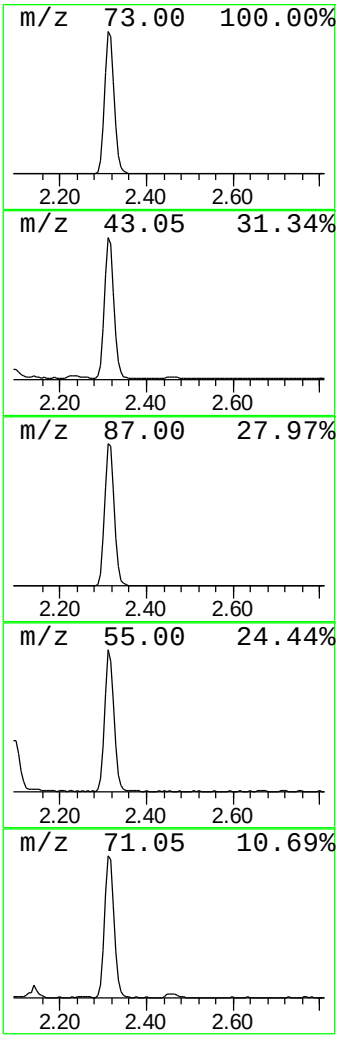
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	10.34 ng	720632	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
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Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

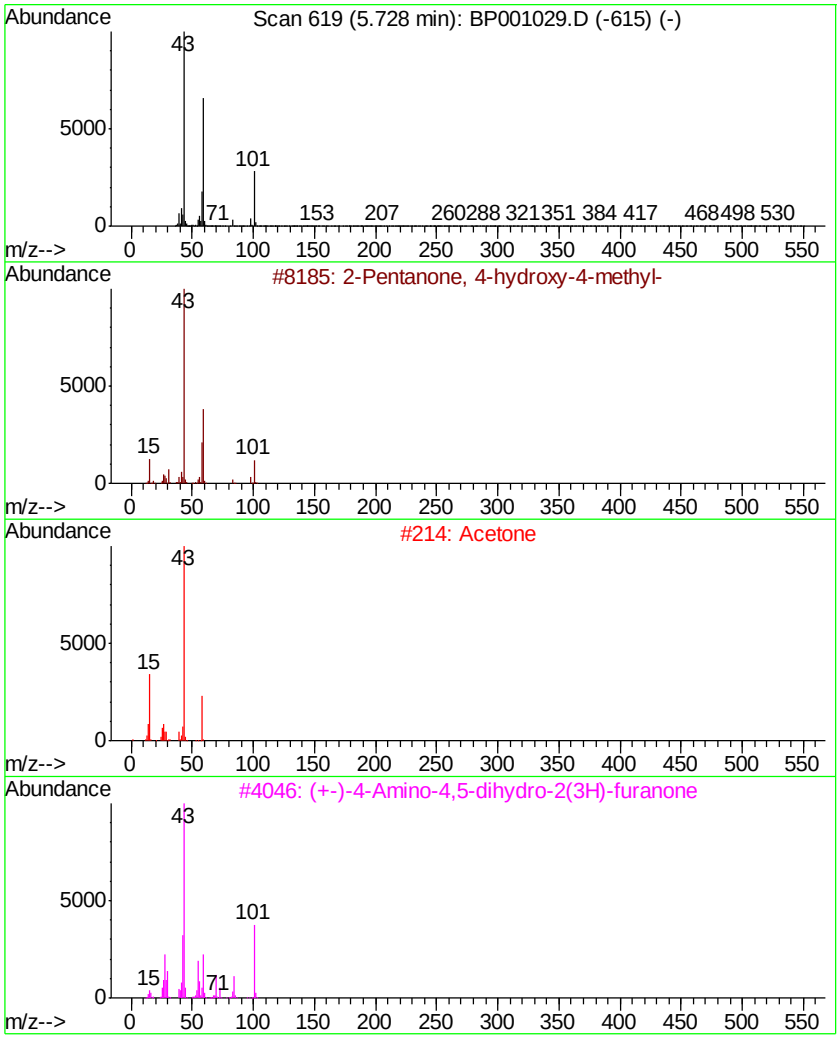
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

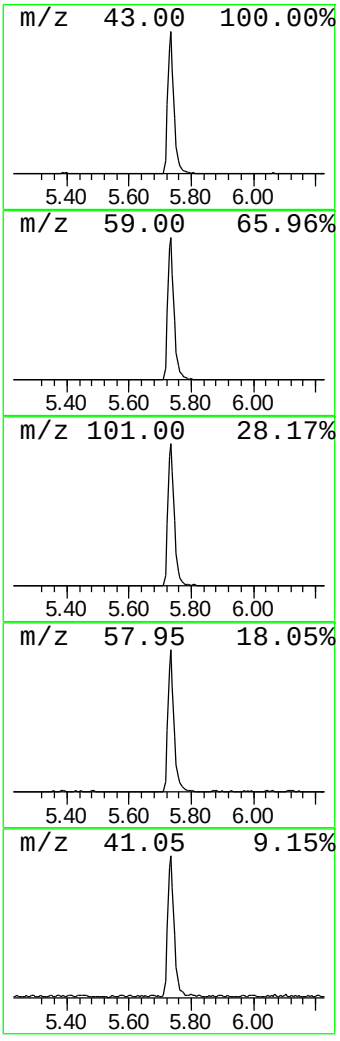
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	8.76 ng	610265	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetone	58	C3H6O	000067-64-1	10
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
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Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

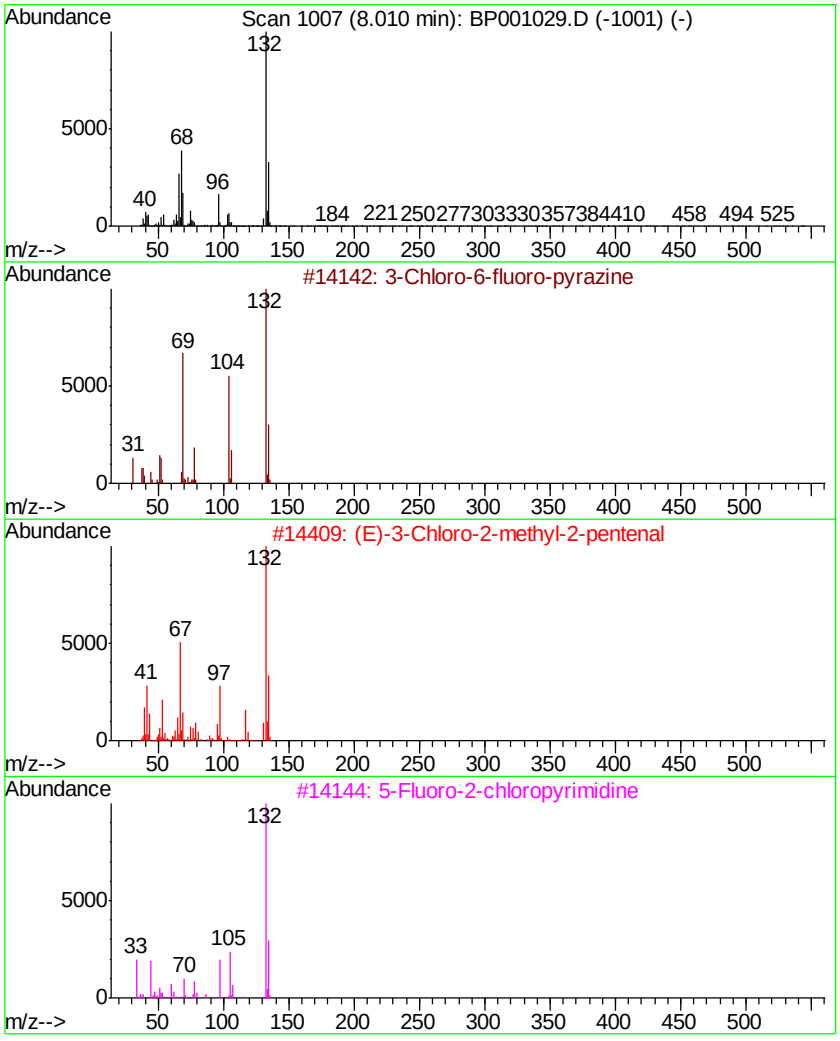
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

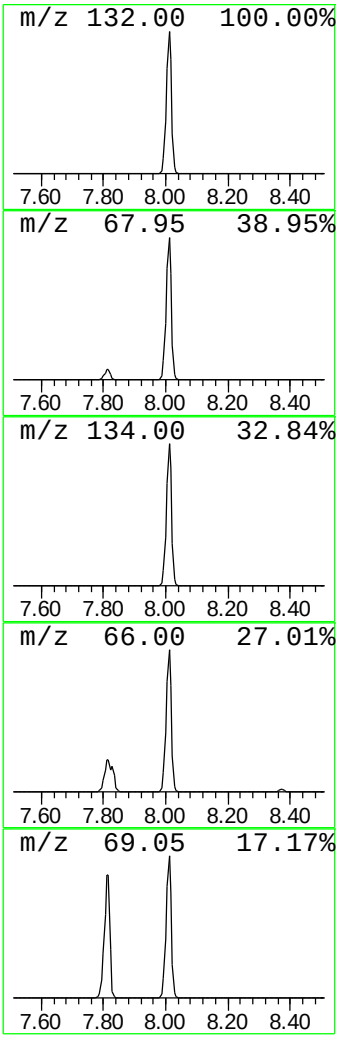
****

Peak Number 3 unknown8.01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	53.55 ng	3730650	1,4-Dichlorobenzene-d4	8.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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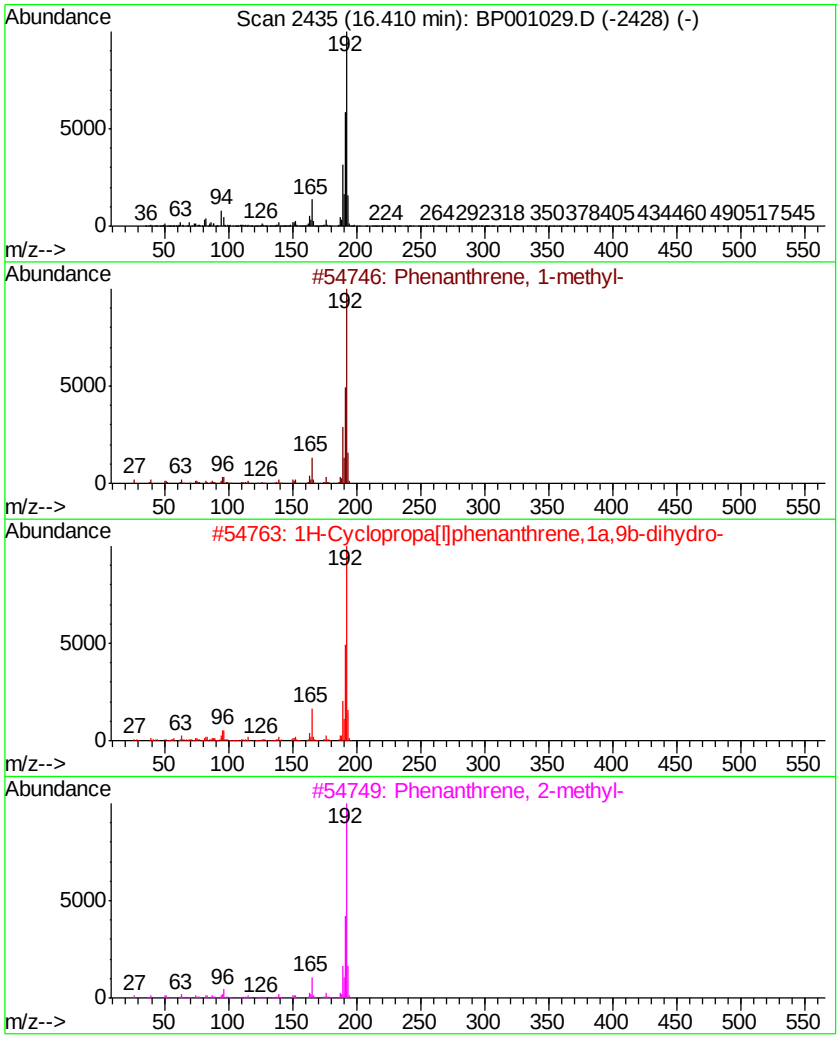
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

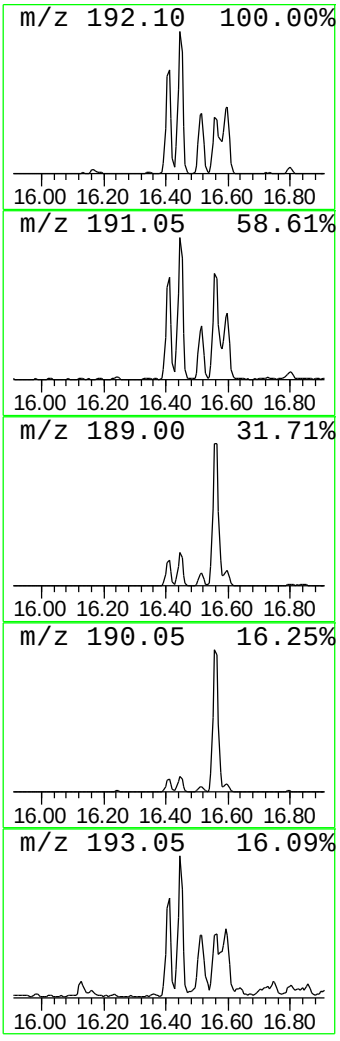
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	4.02 ng	490346	Phenanthrene-d10	15.66

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





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Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

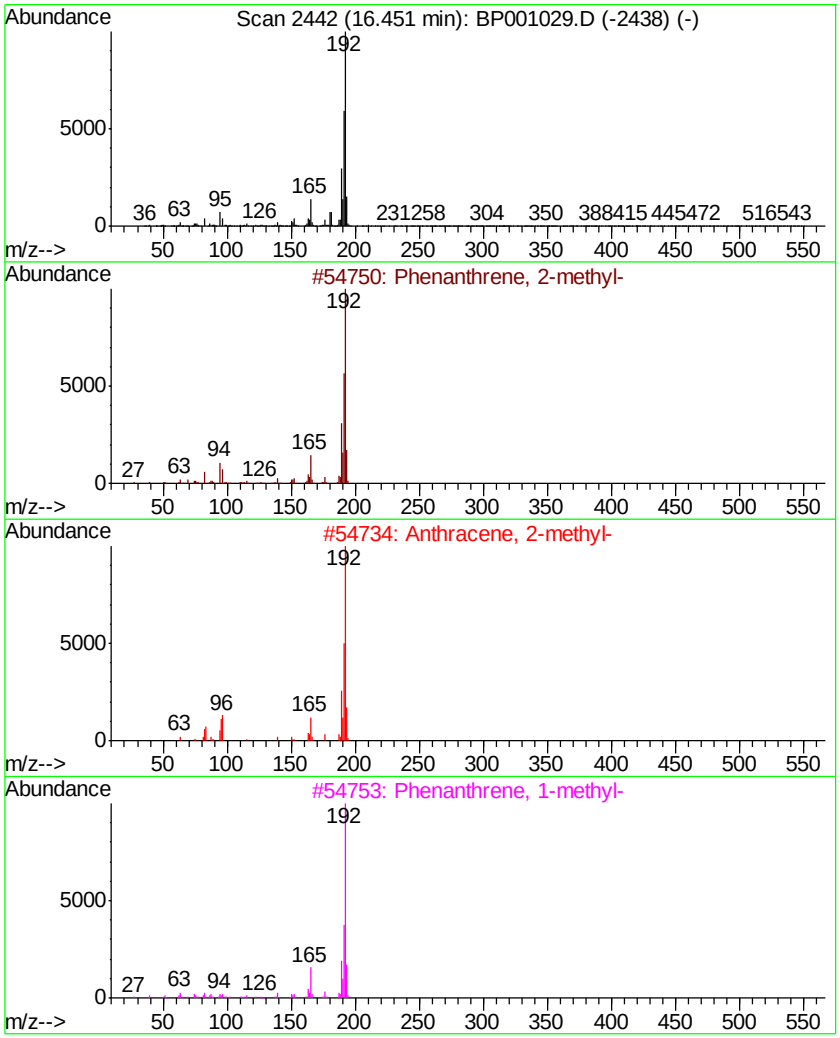
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

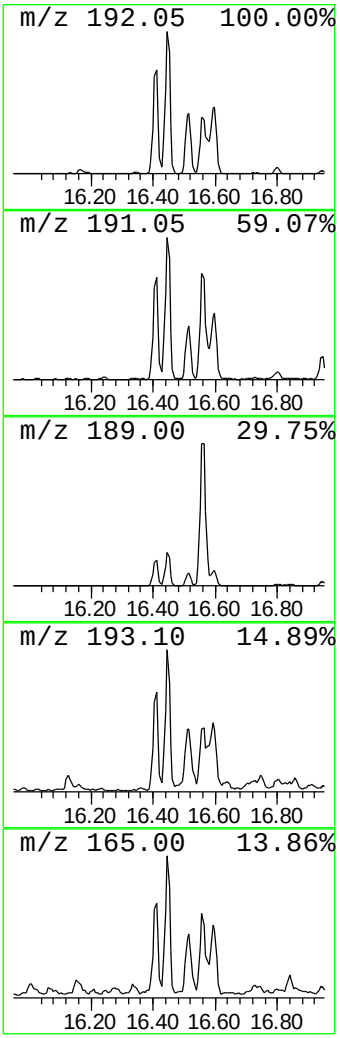
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.27 ng	642568	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

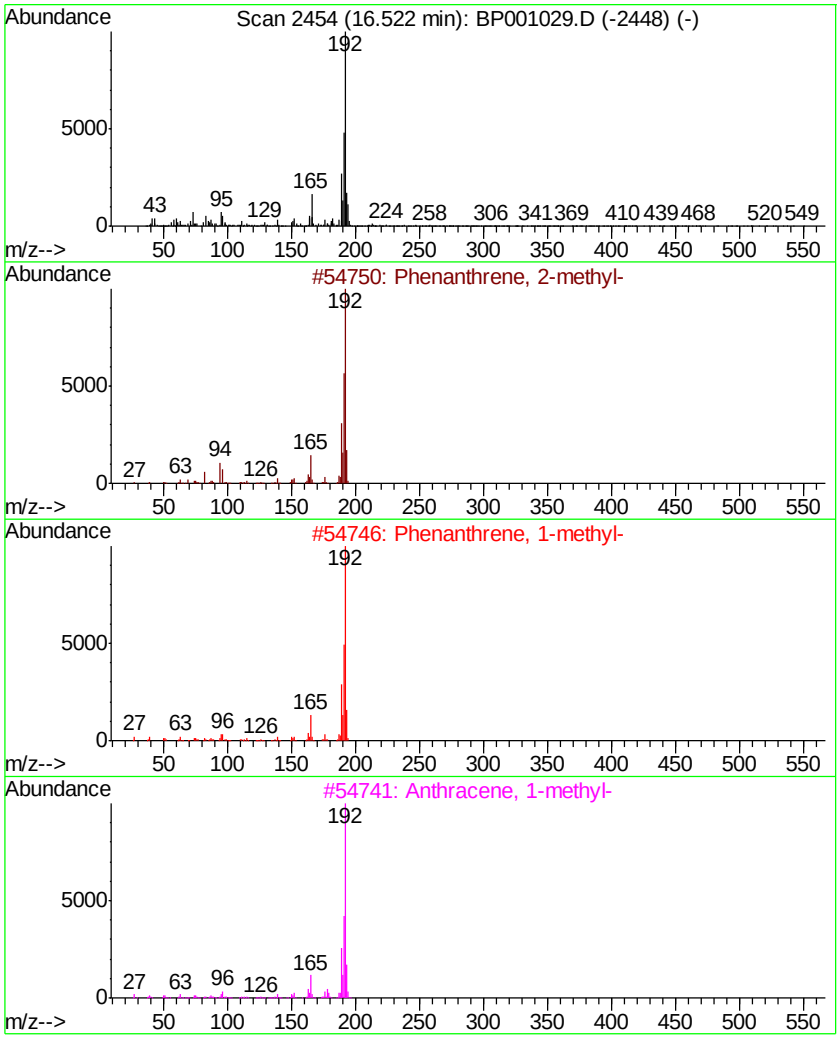
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

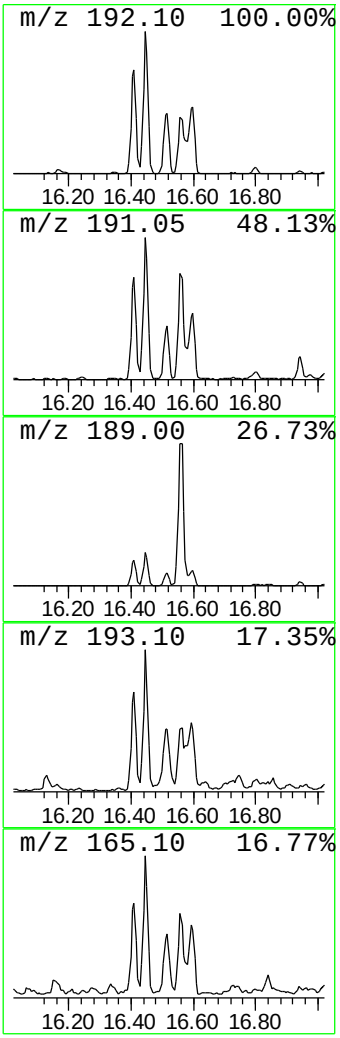
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.10 ng	256689	Phenanthrene-d10	15.66

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	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : JU
Sample : K5771-01
Misc :
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ClientSampleId : SP

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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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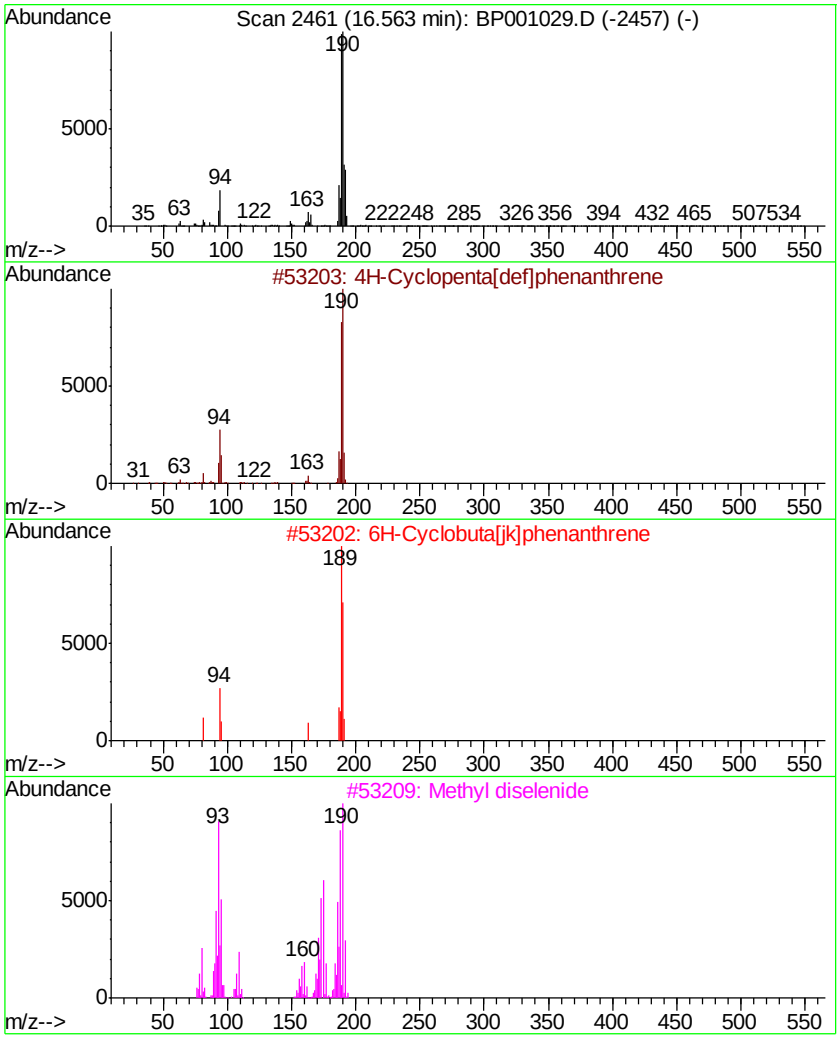
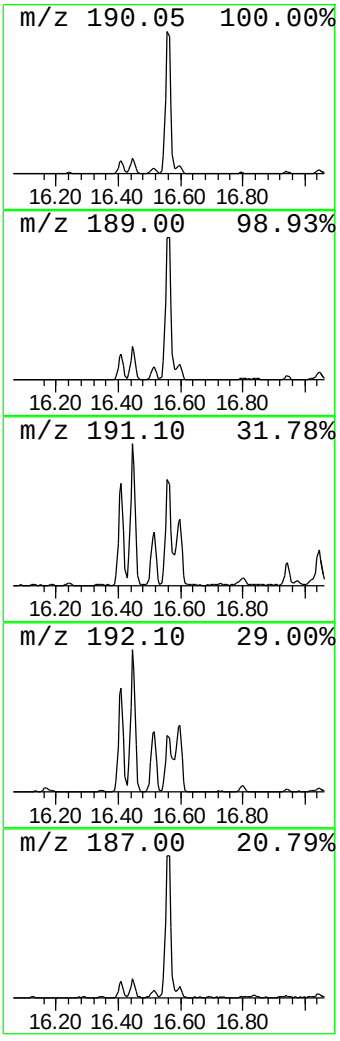
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	10.51 ng	1282170	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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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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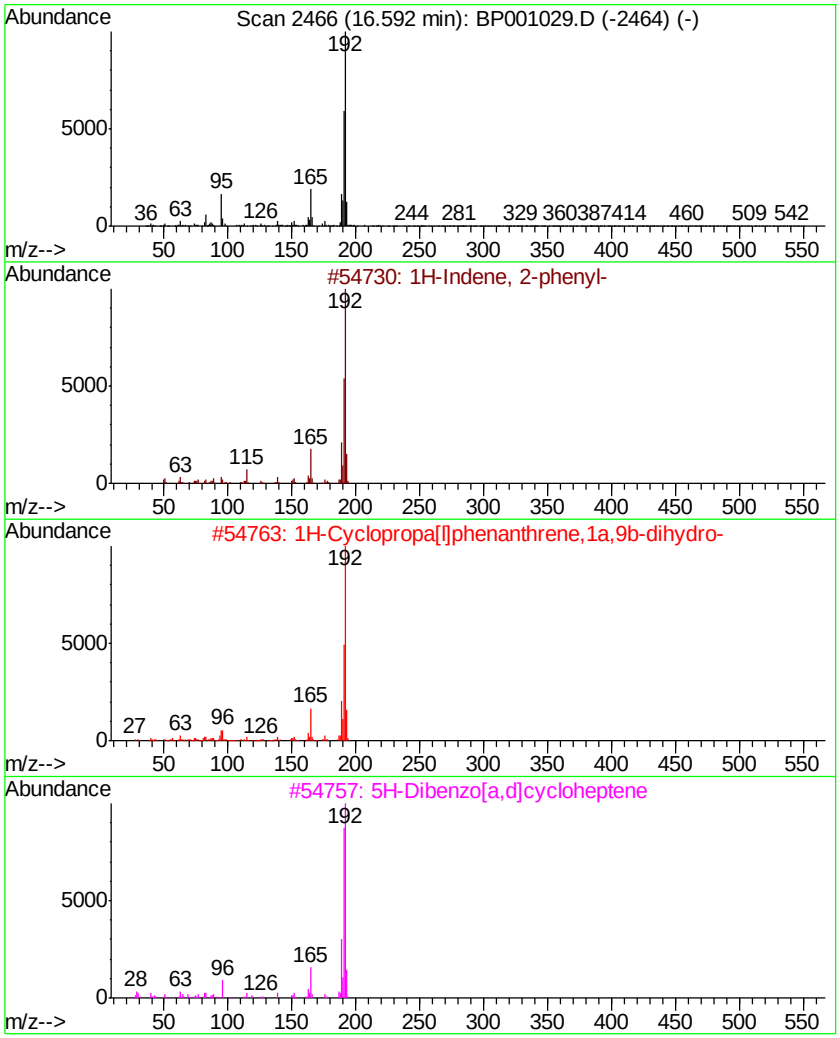
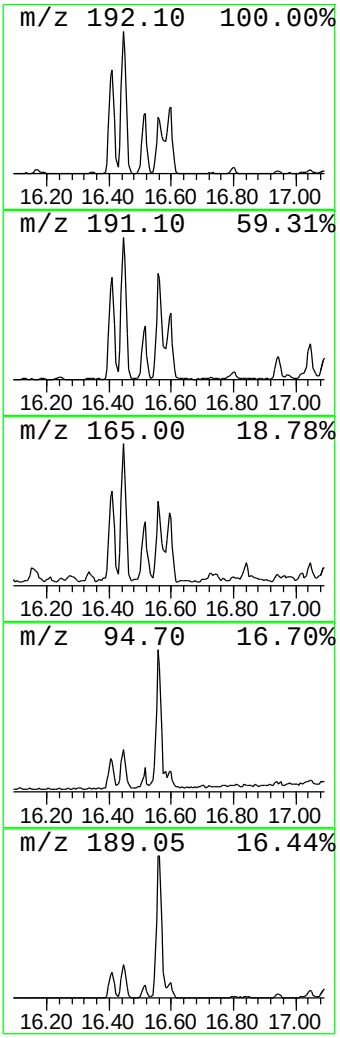
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	2.47 ng	301922	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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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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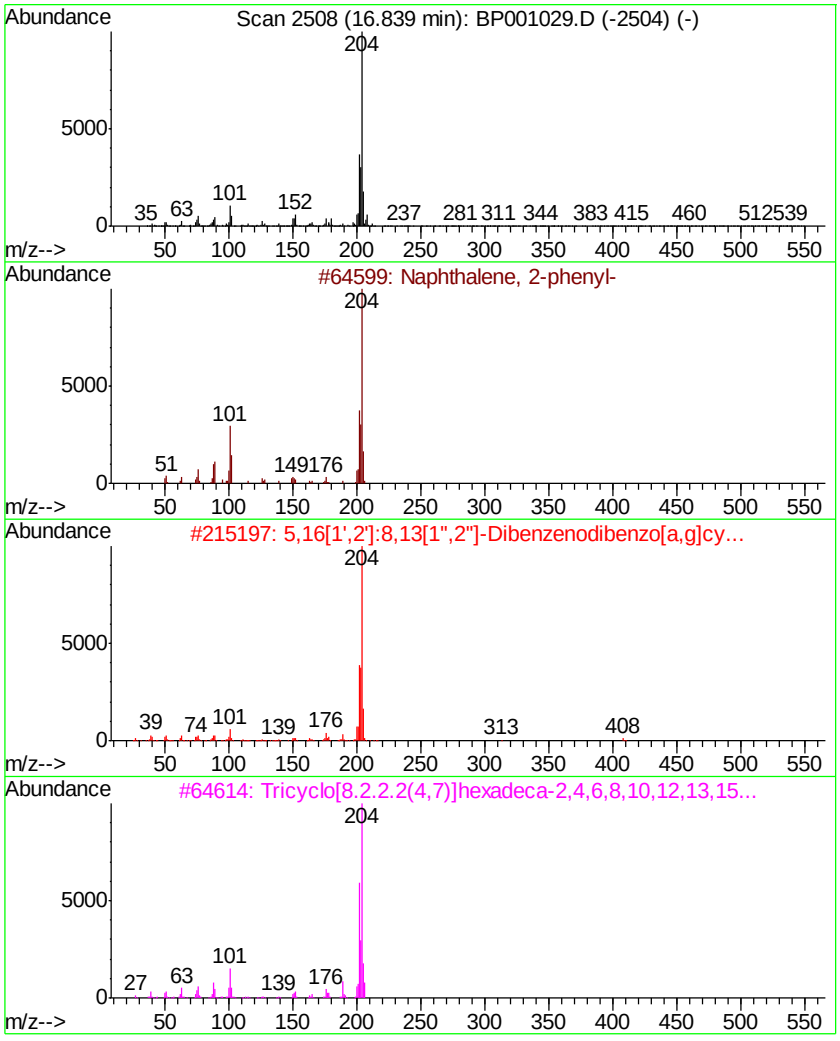
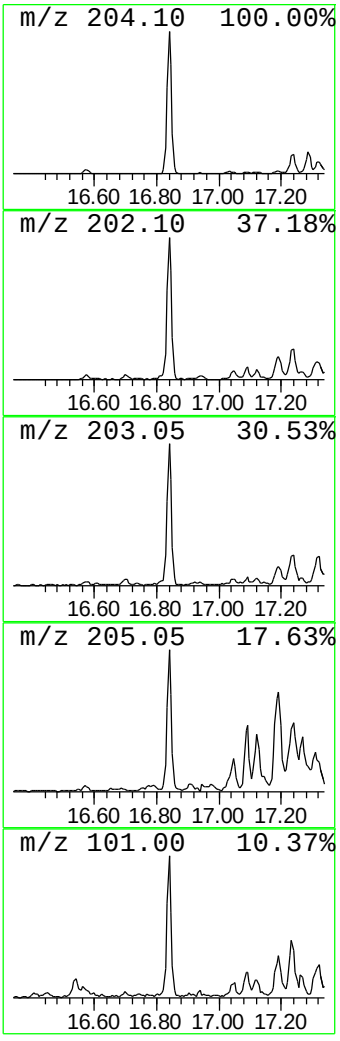
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	5.17 ng	630642	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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TIC Integration Parameters: LSCINT.P

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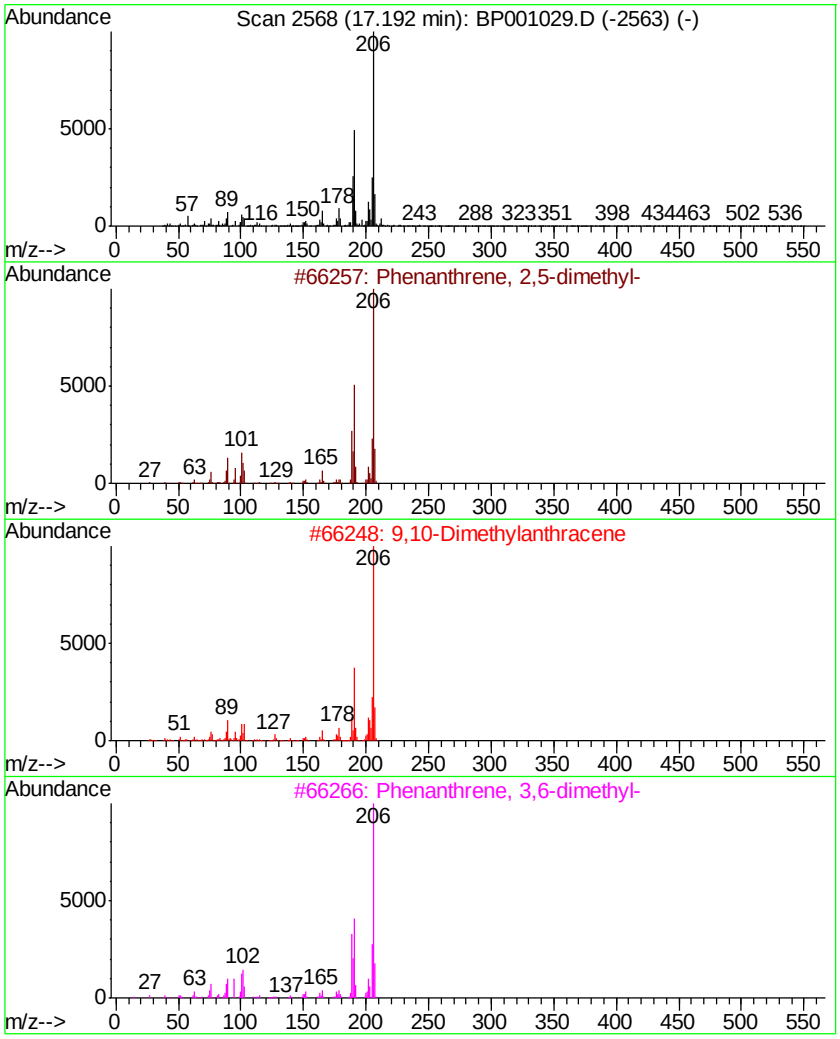
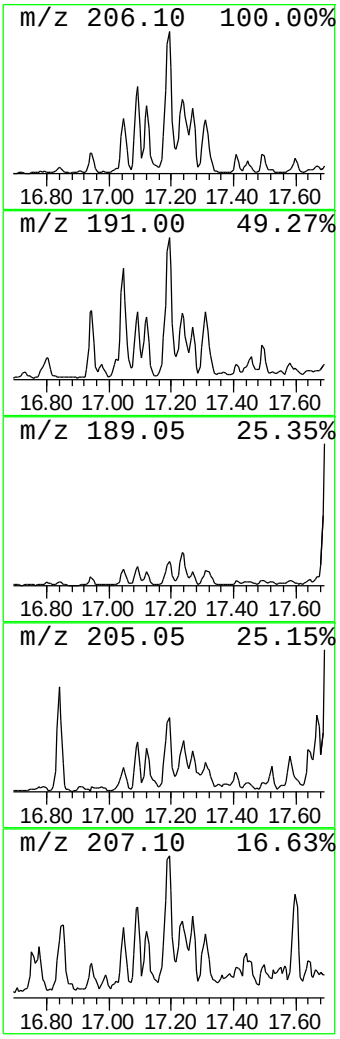
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	3.11 ng	379249	Phenanthrene-d10	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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

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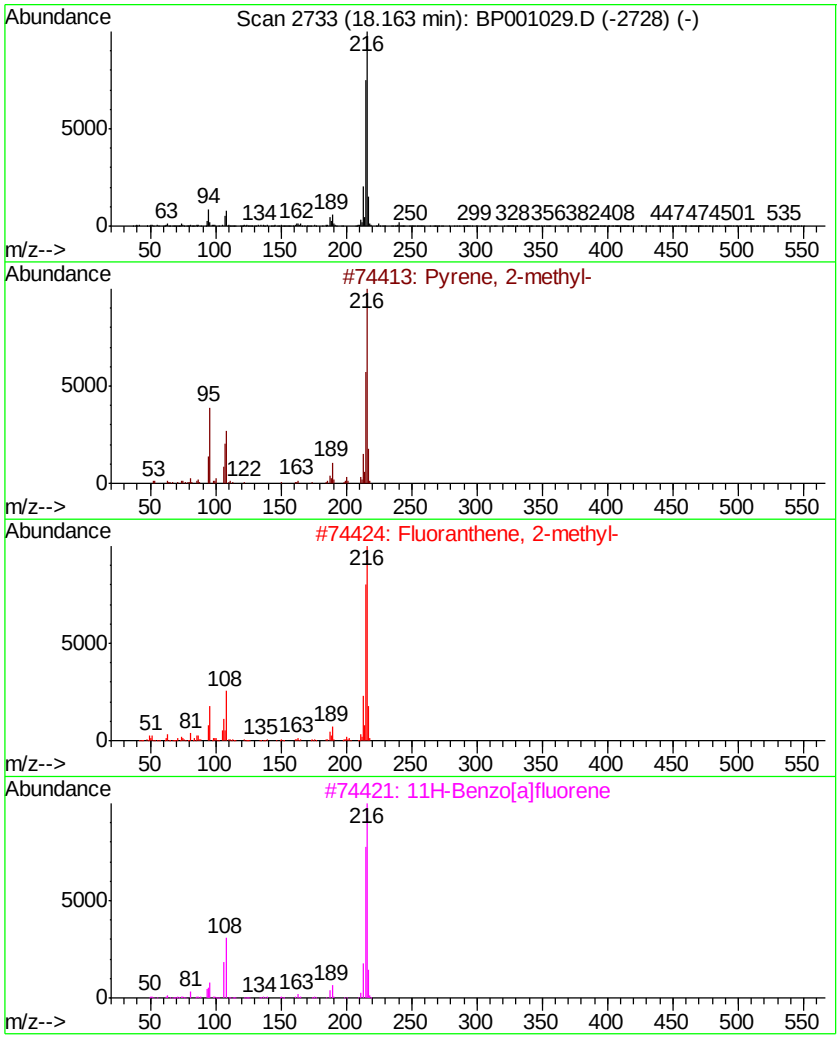
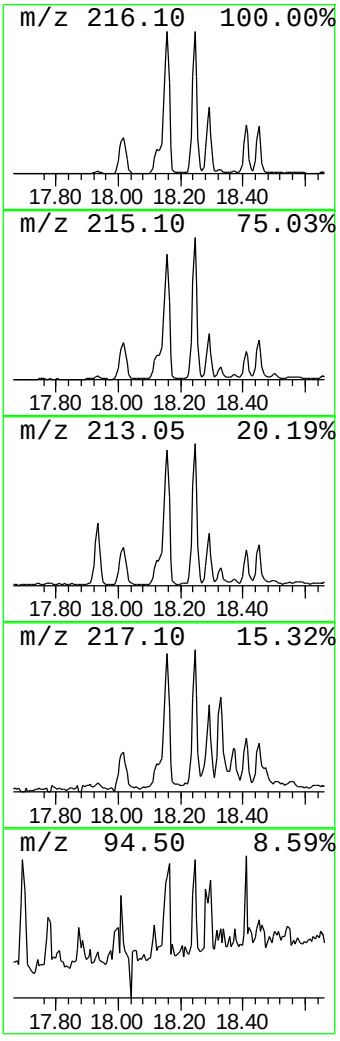
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.95 ng	1134760	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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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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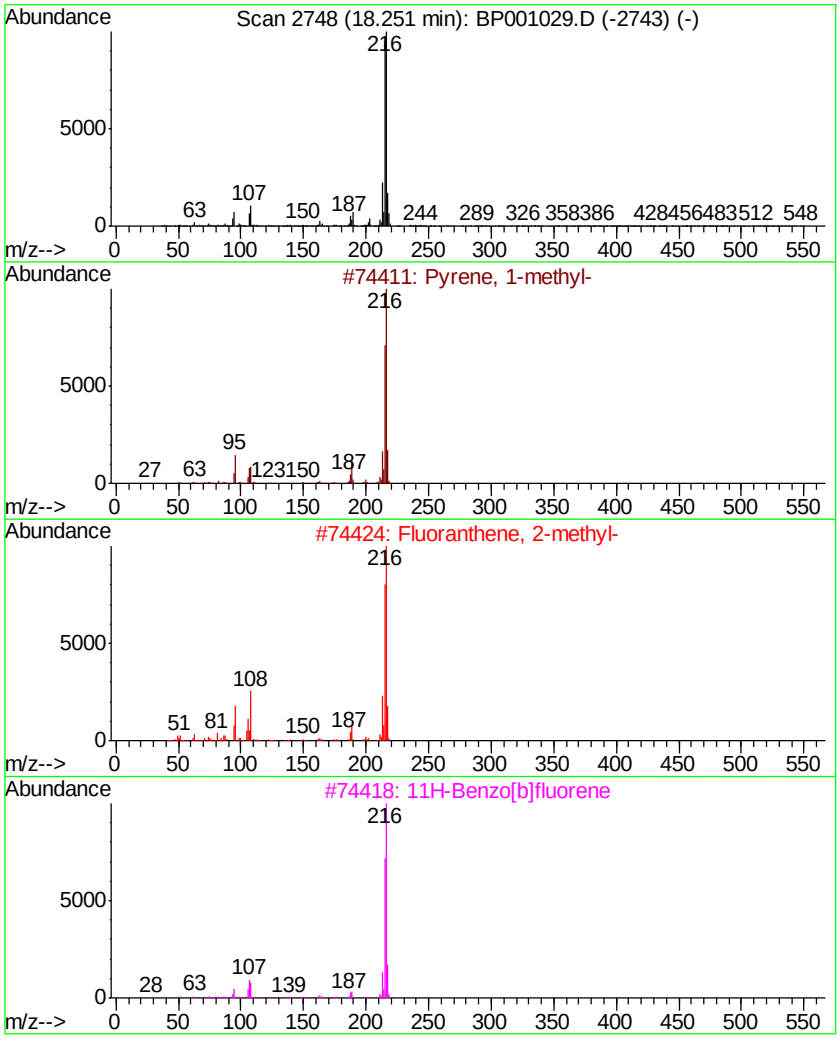
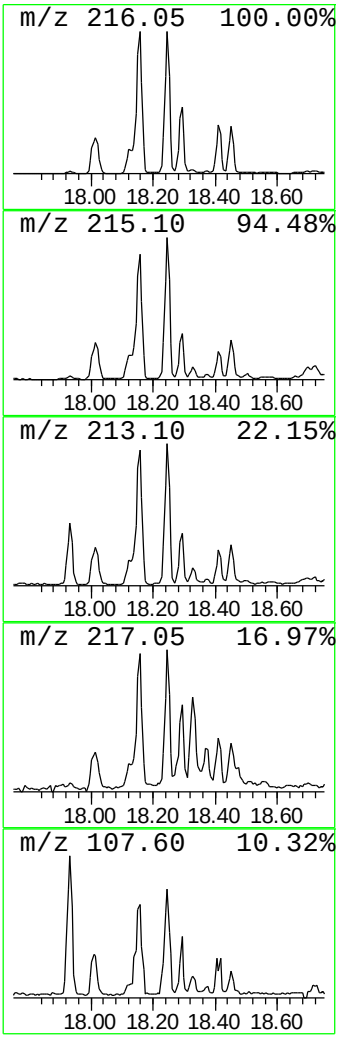
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.52 ng	1011500	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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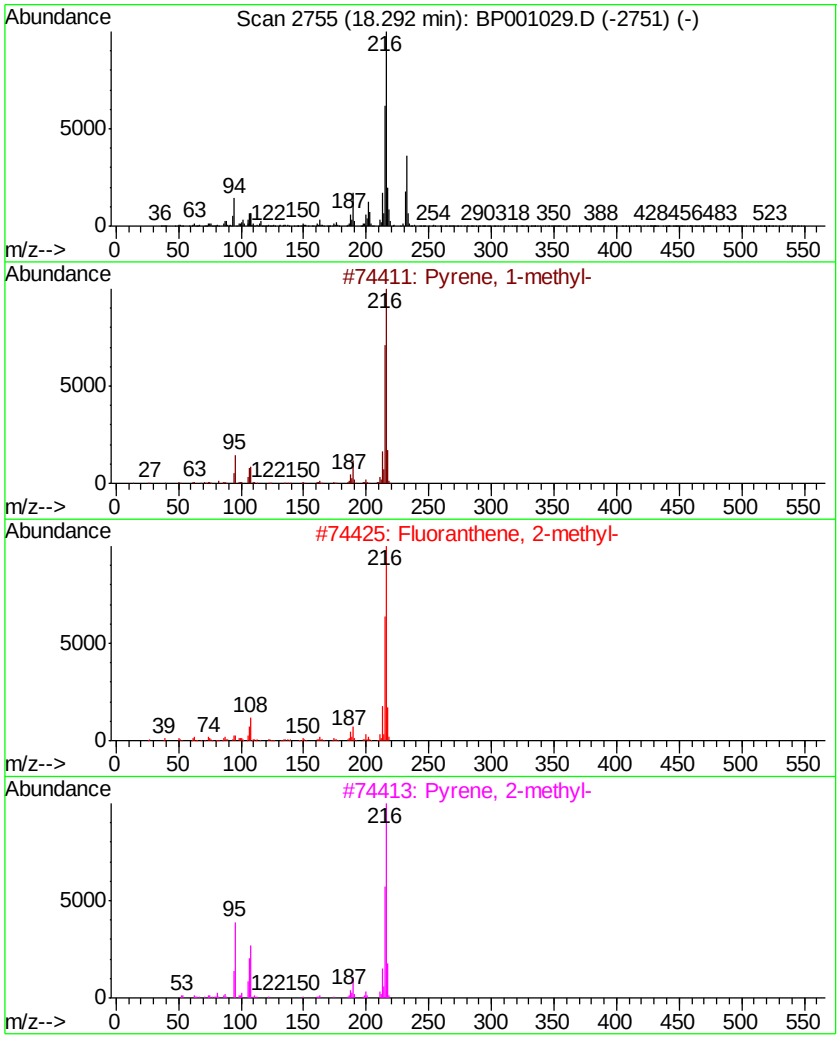
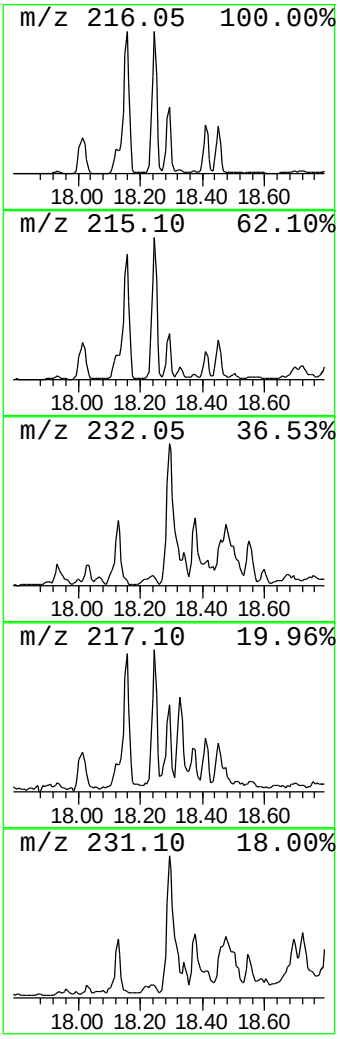
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.27 ng	652812	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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TIC Integration Parameters: LSCINT.P

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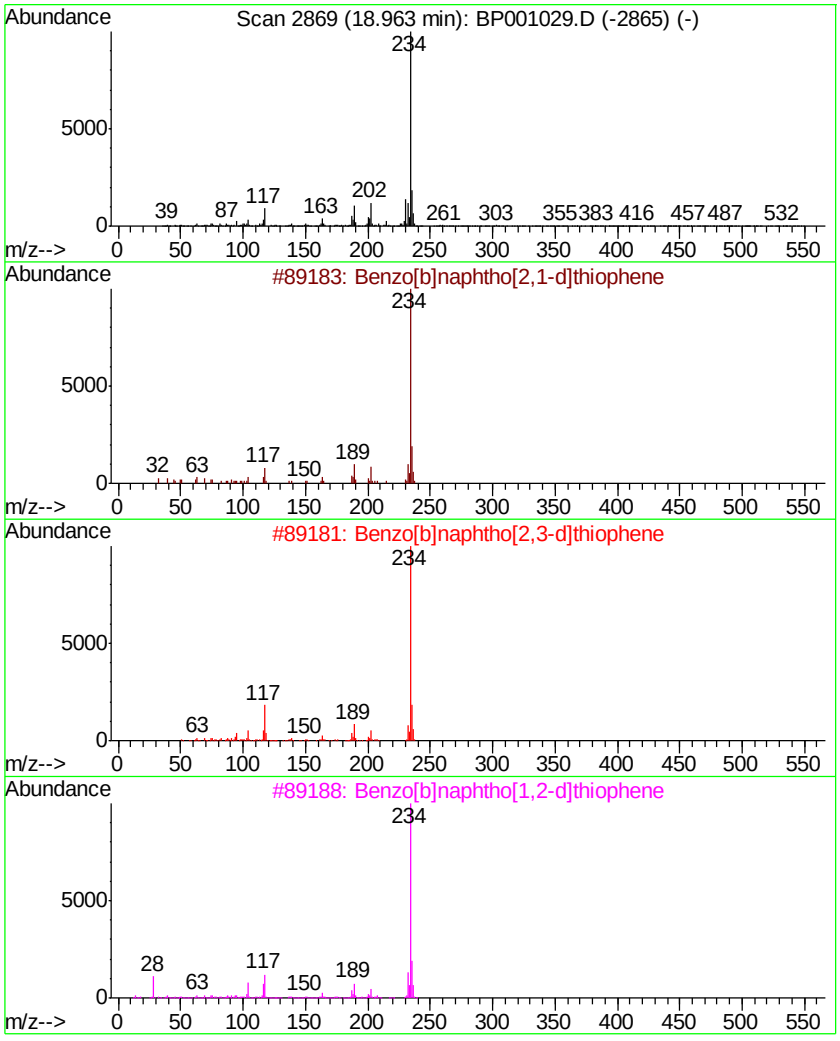
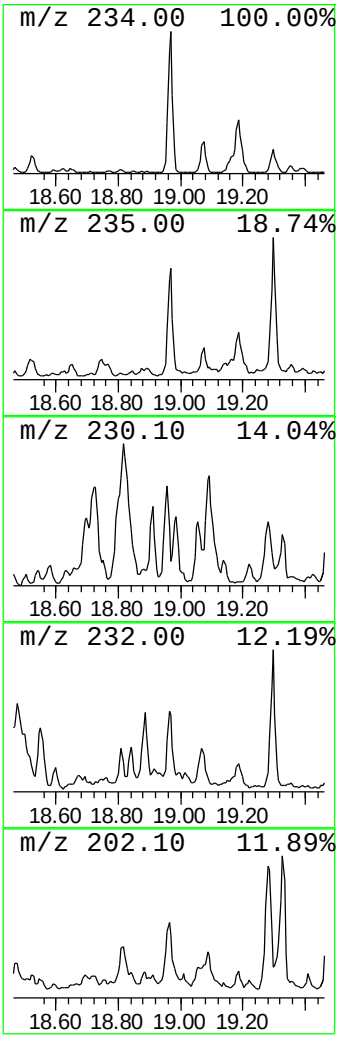
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.15 ng	616502	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	76





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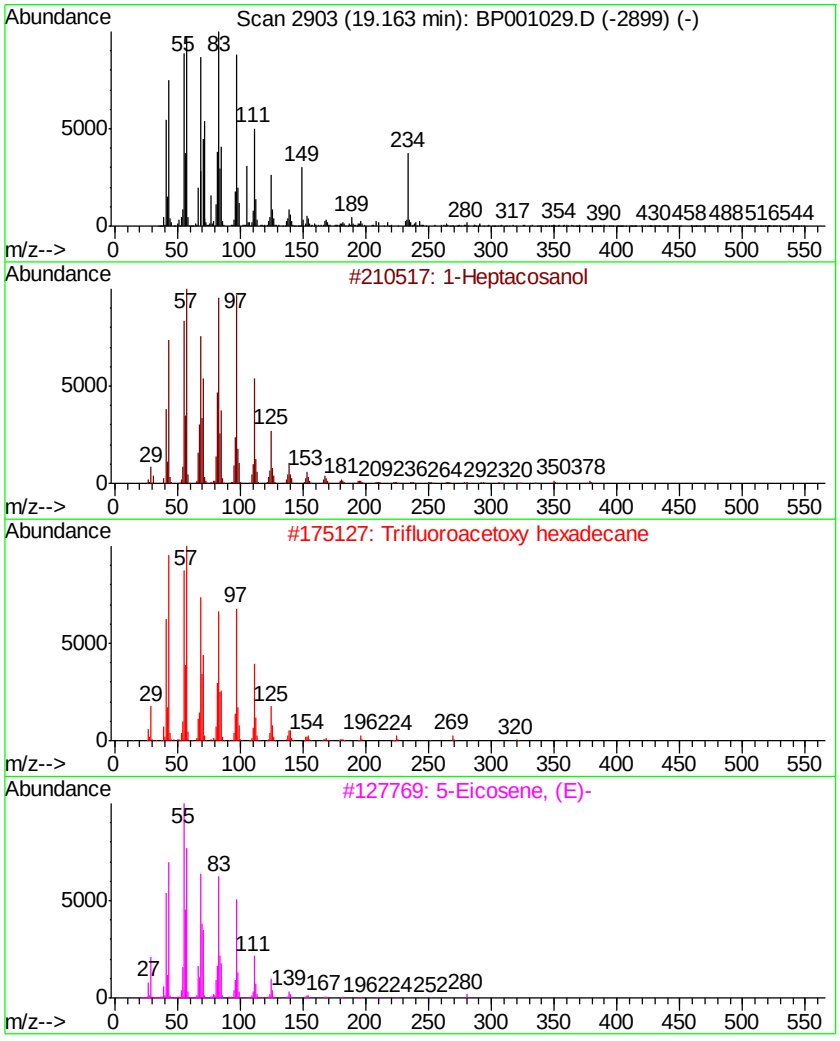
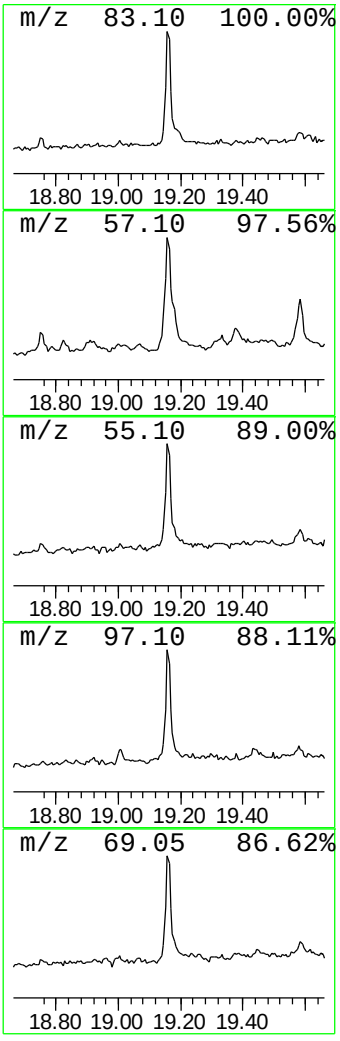
Peak Number 16 1-Heptacosanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.90 ng	833213	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	91





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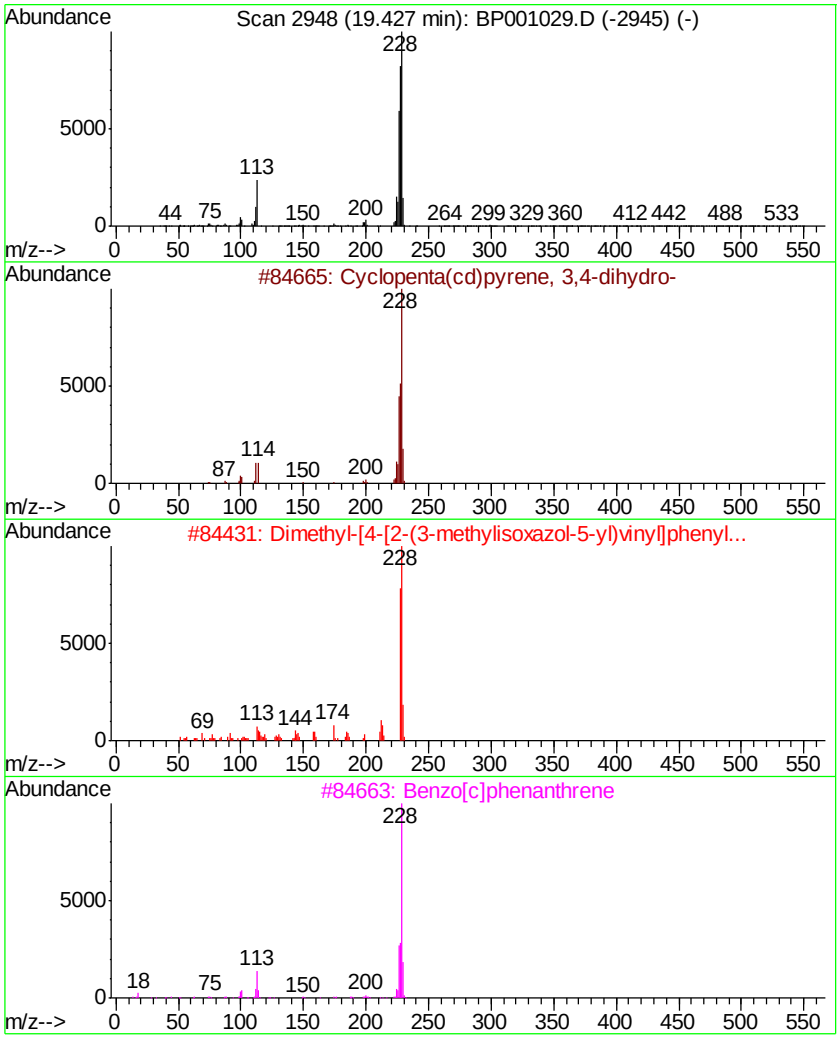
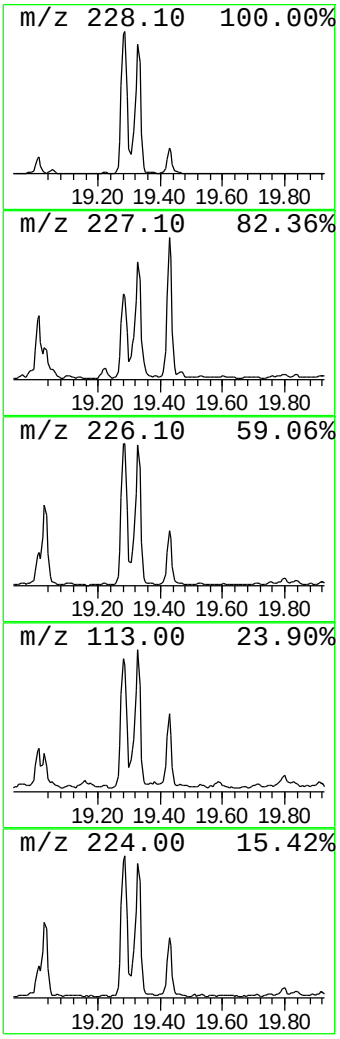
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	2.16 ng	619451	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	35





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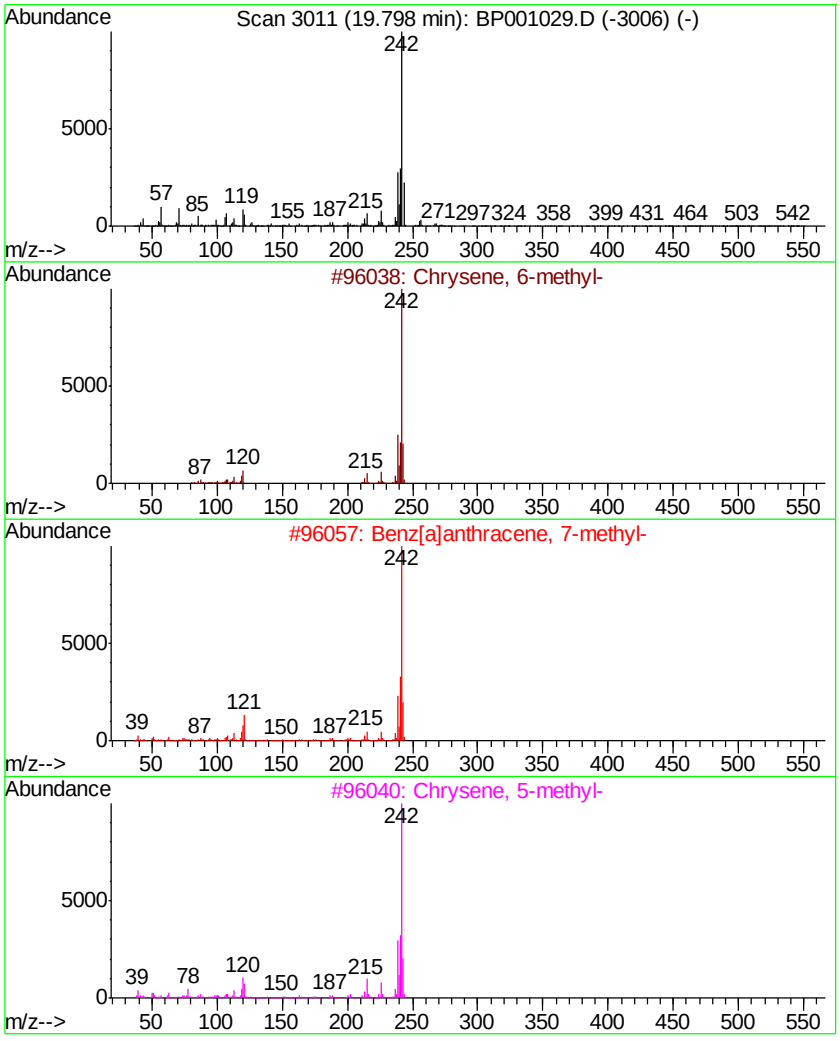
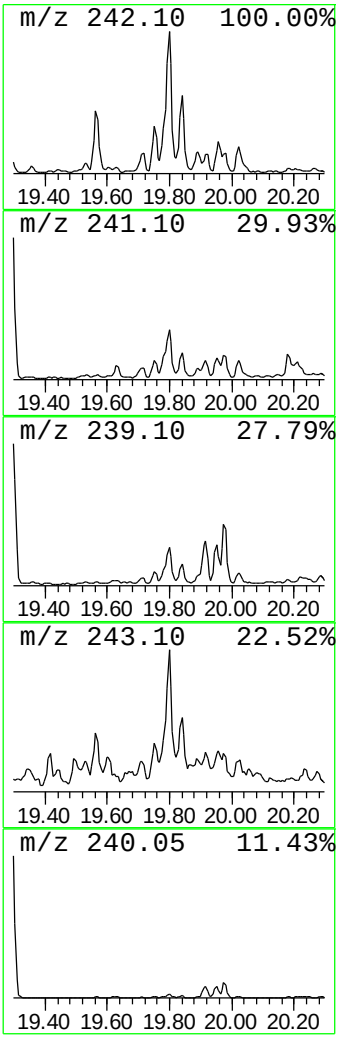
Peak Number 18 Chrysene, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.32 ng	667028	Chrysene-d12	19.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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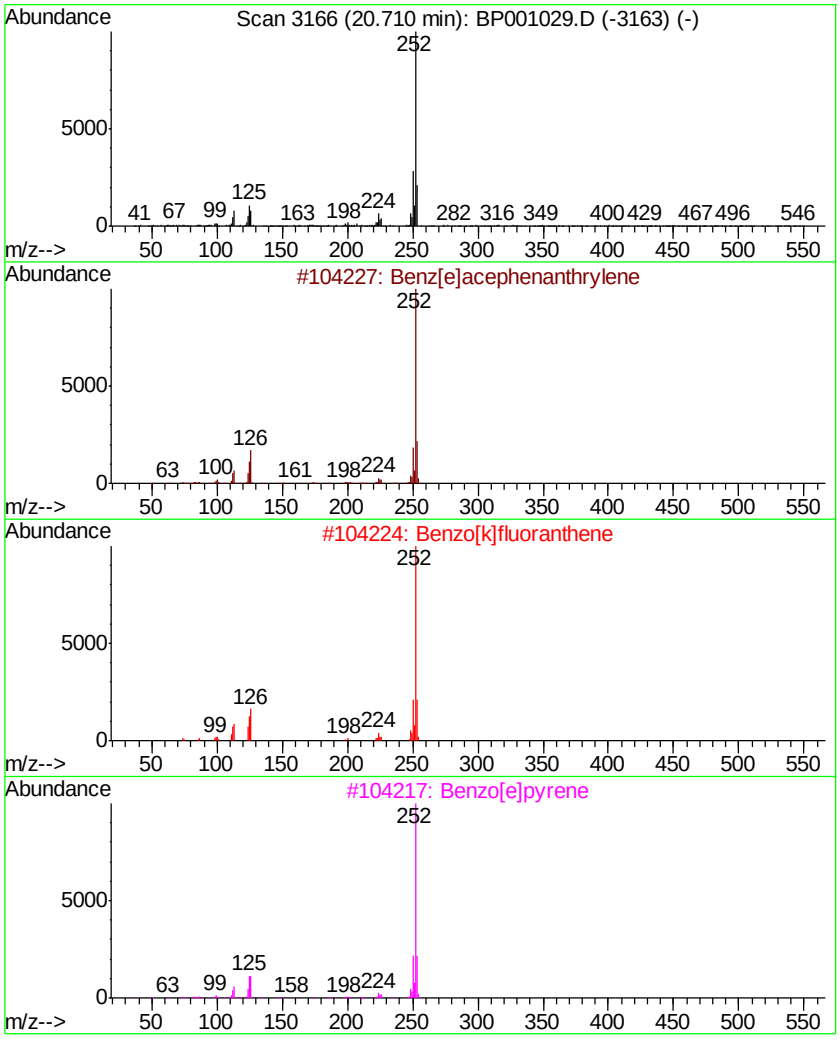
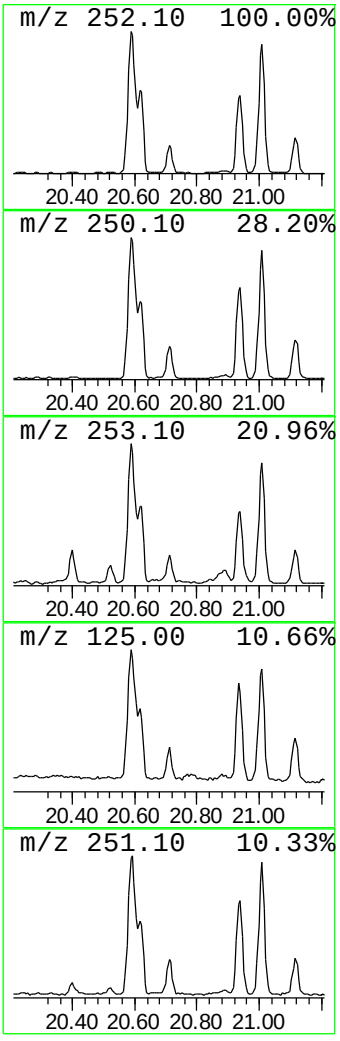
Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	3.87 ng	401961	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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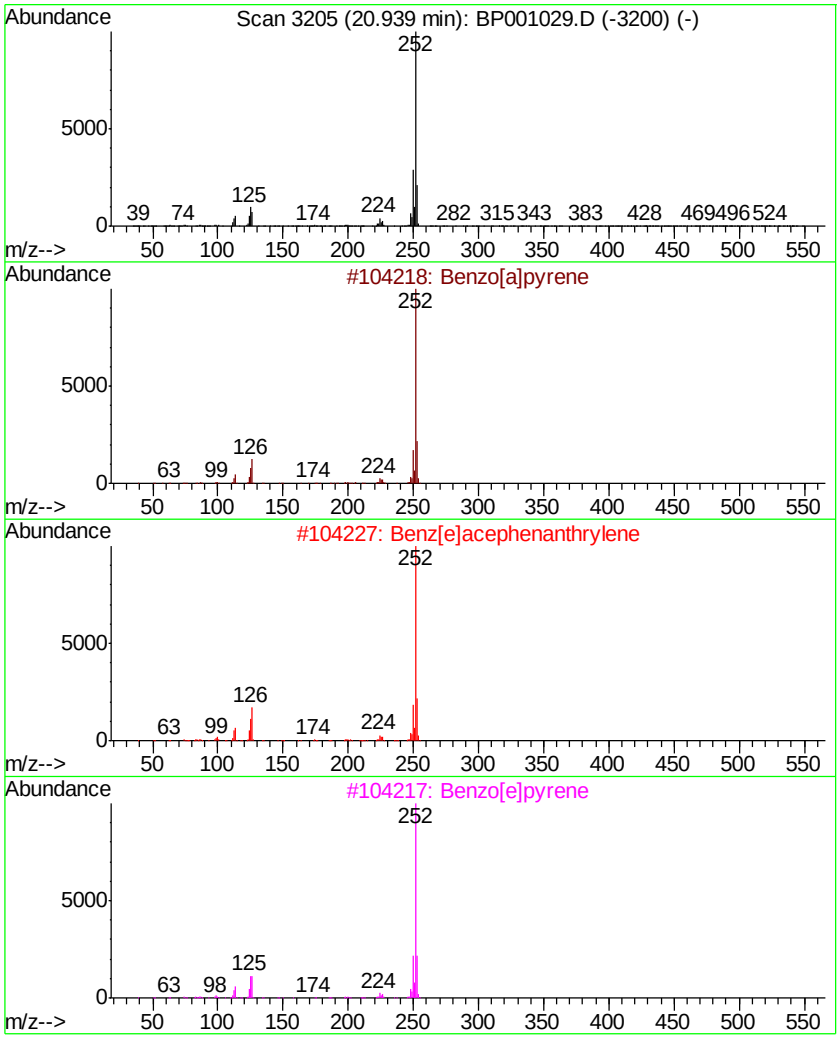
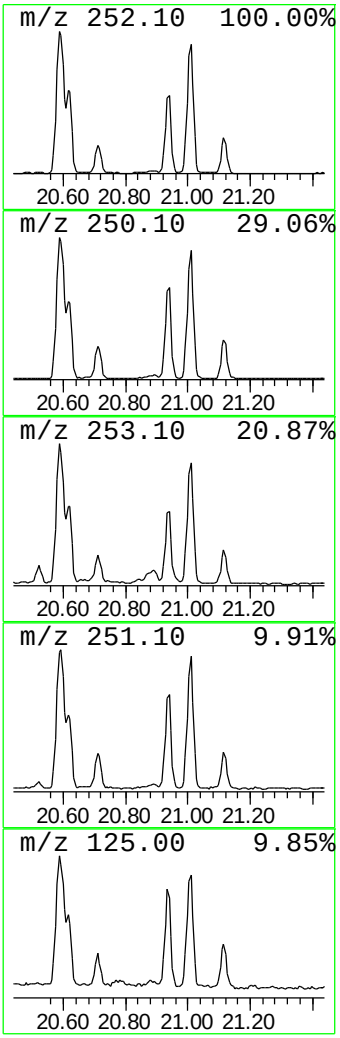
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	11.06 ng	1147160	Perylene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
Operator : JU
Sample : K5771-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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
Butane, 2-methoxy...	2.31	10.3	ng	720632	1	8.38	1393260	20.0
2-Pentanone, 4-hy...	5.73	8.8	ng	610265	1	8.38	1393260	20.0
unknown8.01	8.01	53.5	ng	3730650	1	8.38	1393260	20.0
Phenanthrene, 4-m...	16.41	4.0	ng	490346	4	15.66	2440080	20.0
Phenanthrene, 2-m...	16.45	5.3	ng	642568	4	15.66	2440080	20.0
Phenanthrene, 1-m...	16.52	2.1	ng	256689	4	15.66	2440080	20.0
4H-Cyclopenta[def...	16.56	10.5	ng	1282170	4	15.66	2440080	20.0
1H-Indene, 2-phenyl-	16.59	2.5	ng	301922	4	15.66	2440080	20.0
Naphthalene, 2-ph...	16.84	5.2	ng	630642	4	15.66	2440080	20.0
Phenanthrene, 2,5...	17.19	3.1	ng	379249	4	15.66	2440080	20.0
Pyrene, 2-methyl-	18.16	4.0	ng	1134760	5	19.30	5742750	20.0
Pyrene, 1-methyl-	18.25	3.5	ng	1011500	5	19.30	5742750	20.0
Fluoranthene, 2-m...	18.29	2.3	ng	652812	5	19.30	5742750	20.0
Benzo[b]naphtho[2...	18.96	2.1	ng	616502	5	19.30	5742750	20.0
1-Heptacosanol	19.16	2.9	ng	833213	5	19.30	5742750	20.0
Cyclopenta(cd)pyr...	19.43	2.2	ng	619451	5	19.30	5742750	20.0
Chrysene, 6-methyl-	19.80	2.3	ng	667028	5	19.30	5742750	20.0
Benzo[e]pyrene	20.71	3.9	ng	401961	6	21.08	2075300	20.0
Perylene	20.94	11.1	ng	1147160	6	21.08	2075300	20.0