LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

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-BP112719.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	2.346	41	44	53	rVB	18723	28152	1.52%	0.111%
2	5.610	592	599	610	rBV	69841	99432	5.38%	0.392%
3	6.210	695	701	714	rBV	408390	511275	27.64%	2.014%
4	7.751	958	963	980	rBV	561532	637761	34.48%	2.513%
5	7.939	990	995	1005	rBV	508606	602588	32.58%	2.374%
6	8.304	1052	1057	1064	rBV	342266	392210	21.21%	1.545%
7	8.545	1093	1098	1109	rVB	402733	450520	24.36%	1.775%
8	9.181	1200	1206	1225	rBV	319220	391282	21.16%	1.542%
9	10.339	1398	1403	1407	rBV	404596	457222	24.72%	1.801%
10	11.663	1623	1628	1633	rVB	22063	25152	1.36%	0.099%
11	12.116	1698	1705	1722	rBV	795399	945466	51.12%	3.725%
12	12.657	1792	1797	1801	rVB	19826	29190	1.58%	0.115%
13	12.786	1815	1819	1824	rBV	26188	28832	1.56%	0.114%
14	12.845	1824	1829	1837	rVB3	19530	33349	1.80%	0.131%
15	12.963	1844	1849	1858	rBV	42720	61880	3.35%	0.244%
16	13.204	1884	1890	1894	rBV	446445	566000	30.60%	2.230%
17	13.251	1894	1898	1903	rVB	78465	93133	5.04%	0.367%
18	13.539	1940	1947	1954	rBV	44244	70464	3.81%	0.278%
19	13.622	1956	1961	1969	rBV4	20661	42816	2.31%	0.169%
20	14.098	2038	2042	2050	rVB	94138	113798	6.15%	0.448%
21	14.374	2084	2089	2098	rVB2	30230	58503	3.16%	0.231%
22	14.492	2103	2109	2120	rVV	663645	836796	45.24%	3.297%
23	14.827	2164	2166	2173	rVB5	25062	37735	2.04%	0.149%
24	15.004	2190	2196	2199	rBV4	22162	42426	2.29%	0.167%
25	15.127	2210	2217	2223	rBV8	9169	24793	1.34%	0.098%
26	15.221	2230	2233	2237	rBV4	18443	27864	1.51%	0.110%
27	15.298	2242	2246	2256	rVB	64985	90546	4.90%	0.357%
28	15.392	2257	2262	2266	rBV3	21653	37344	2.02%	0.147%
29	15.433	2266	2269	2274	rVB	51841	60908	3.29%	0.240%
30	15.563	2287	2291	2293	rBV3	20428	24929	1.35%	0.098%
31	15.598	2293	2297	2300	rVV	469579	563801	30.48%	2.221%
32	15.639	2300	2304	2308	rVV	1119864	1260176	68.13%	4.965%
33	15.710	2312	2316	2322	rVB	255041	289552	15.66%	1.141%
34	15.921	2348	2352	2355	rBV2	21420	24952	1.35%	0.098%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

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-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.957	2355	2358	2364	rVB	110392	125266	6.77%	0.494%
36	16.104	2379	2383	2388	rVB4	26814	43261	2.34%	0.170%
37	16.357	2421	2426	2429	rBV	115847	137954	7.46%	0.544%
38	16.392	2429	2432	2439	rVB	184307	205099	11.09%	0.808%
39	16.457	2439	2443	2445	rBV	60941	73291	3.96%	0.289%
40	16.504	2445	2451	2455	rVV2	237041	450605	24.36%	1.775%
41	16.539	2455	2457	2462	rVB	84393	100363	5.43%	0.395%
42	16.615	2467	2470	2473	rBV3	16785	24333	1.32%	0.096%
43	16.739	2487	2491	2495	rVB7	15403	24200	1.31%	0.095%
44	16.992	2531	2534	2539	rBV2	28095	38273	2.07%	0.151%
45	17.068	2544	2547	2552	rVB2	26041	29478	1.59%	0.116%
46	17.139	2554	2559	2562	rBV2	59184	86181	4.66%	0.340%
47	17.186	2563	2567	2570	rBV2	33107	43371	2.34%	0.171%
48	17.233	2570	2575	2579	rBV2	42994	64295	3.48%	0.253%
49	17.351	2589	2595	2599	rBV	1713967	1849554	100.00%	7.287%
50	17.433	2604	2609	2612	rVV4	60282	84096	4.55%	0.331%
51	17.468	2612	2615	2621	rVB2	35412	54159	2.93%	0.213%
52	17.545	2623	2628	2630	rBV2	60049	80576	4.36%	0.317%
53	17.574	2630	2633	2637	rVV2	60732	66918	3.62%	0.264%
54	17.657	2641	2647	2651	rVB	1348632	1706734	92.28%	6.725%
55	17.727	2656	2659	2662	rVB	55639	60627	3.28%	0.239%
56	17.821	2672	2675	2678	rBV	81004	88345	4.78%	0.348%
57	17.880	2678	2685	2689	rVV	1162173	1291187	69.81%	5.087%
58	17.933	2691	2694	2696	rBV	39527	46868	2.53%	0.185%
59	17.962	2696	2699	2702	rVV	75699	109717	5.93%	0.432%
60	17.992	2702	2704	2708	rVB	31516	33830	1.83%	0.133%
61	18.074	2713	2718	2720	rVV3	73665	144556	7.82%	0.570%
62	18.104	2720	2723	2727	rVB	143459	163820	8.86%	0.645%
63	18.192	2735	2738	2741	rBV	79405	86514	4.68%	0.341%
64	18.239	2742	2746	2750	rBV2	138645	182515	9.87%	0.719%
65	18.321	2757	2760	2763	rBV2	29146	30411	1.64%	0.120%
66	18.357	2763	2766	2769	rBV	66744	69143	3.74%	0.272%
67	18.398	2769	2773	2776	rVV2	55999	73592	3.98%	0.290%
68	18.504	2788	2791	2793	rBV2	25813	27300	1.48%	0.108%
69	18.533	2793	2796	2799	rVV	51683	49738	2.69%	0.196%
70	18.704	2822	2825	2828	rBV3	23060	25378	1.37%	0.100%
71	18.768	2832	2836	2843	rVB	156320	207635	11.23%	0.818%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

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-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.909	2856	2860	2863	rBV2	141990	181473	9.81%	0.715%
73	18.957	2865	2868	2870	rVV	103064	130162	7.04%	0.513%
74	19.004	2874	2876	2879	rVV2	68918	94629	5.12%	0.373%
75	19.039	2879	2882	2888	rVB	181309	200334	10.83%	0.789%
76	19.115	2891	2895	2902	rBV3	117611	207893	11.24%	0.819%
77	19.233	2907	2915	2920	rBV2	868668	1715449	92.75%	6.759%
78	19.274	2920	2922	2926	rVV	700098	731651	39.56%	2.883%
79	19.304	2926	2927	2931	rVB3	53429	40756	2.20%	0.161%
80	19.374	2936	2939	2942	rVB	100498	98527	5.33%	0.388%
81	19.421	2944	2947	2949	rBV	44943	43815	2.37%	0.173%
82	19.486	2955	2958	2961	rBV	54048	59364	3.21%	0.234%
83	19.533	2963	2966	2971	rVB2	93452	106900	5.78%	0.421%
84	19.698	2991	2994	2997	rBV	51070	65307	3.53%	0.257%
85	19.745	2997	3002	3005	rVV	150720	202977	10.97%	0.800%
86	19.786	3006	3009	3013	rVB2	78409	92284	4.99%	0.364%
87	19.862	3019	3022	3025	rVB2	60781	58904	3.18%	0.232%
88	19.898	3025	3028	3029	rBV2	63184	64737	3.50%	0.255%
89	19.921	3030	3032	3038	rVB6	97695	137203	7.42%	0.541%
90	20.127	3063	3067	3071	rBV2	75572	108758	5.88%	0.429%
91	20.298	3093	3096	3098	rVB	65829	54183	2.93%	0.213%
92	20.533	3130	3136	3139	rBV	630908	1081658	58.48%	4.262%
93	20.651	3153	3156	3159	rVB	108765	118693	6.42%	0.468%
94	20.686	3159	3162	3168	rBV	85158	101148	5.47%	0.399%
95	20.874	3190	3194	3201	rVB	357252	512445	27.71%	2.019%
96	20.945	3201	3206	3210	rBV	542645	686738	37.13%	2.706%
97	21.015	3214	3218	3222	rBV	364368	504723	27.29%	1.989%
98	21.051	3222	3224	3228	rVB	120007	122883	6.64%	0.484%
99	22.656	3492	3497	3506	rVB3	249190	537444	29.06%	2.118%
100	23.145	3575	3580	3591	rVB2	176011	379605	20.52%	1.496%

Sum of corrected areas: 25380673

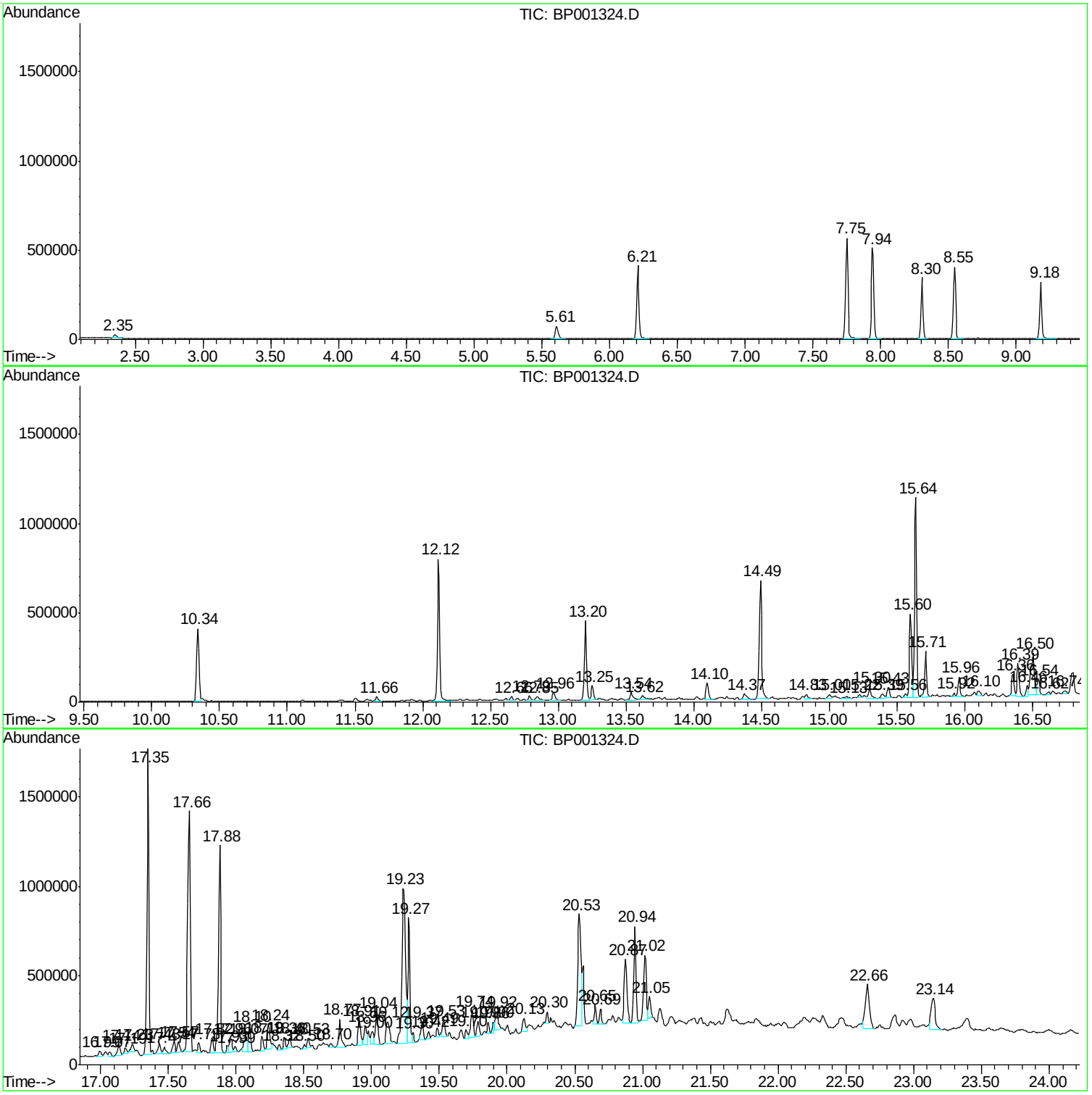
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

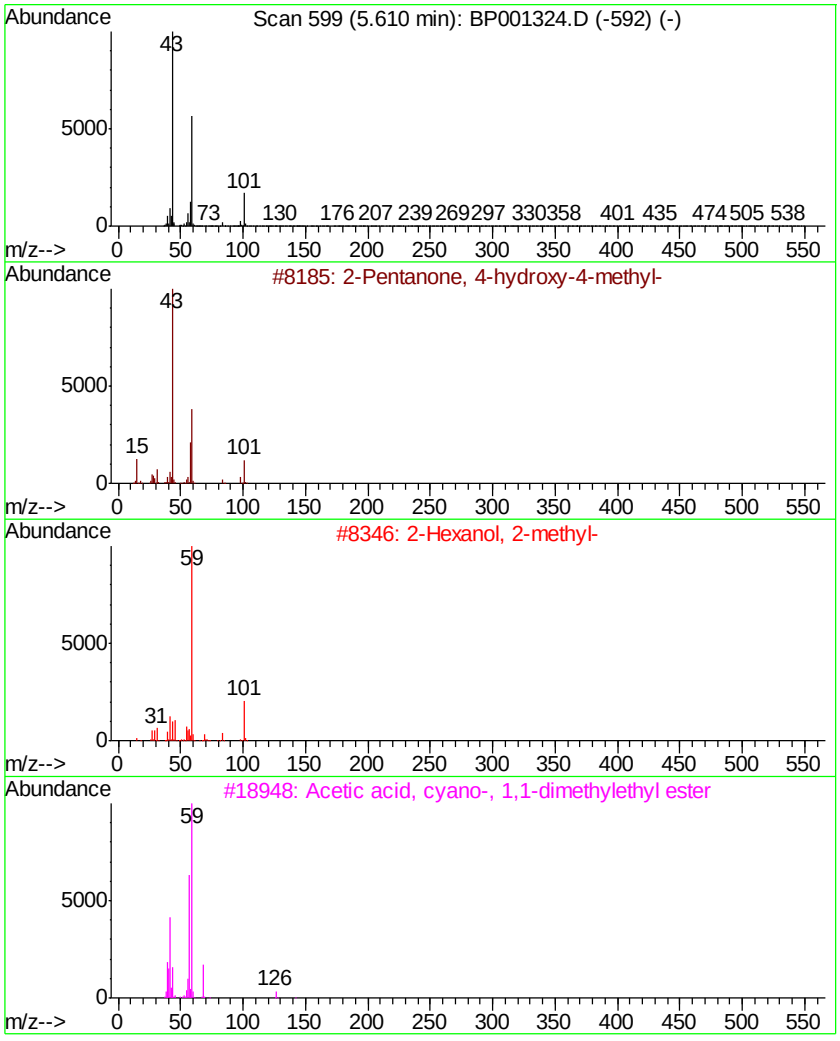
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

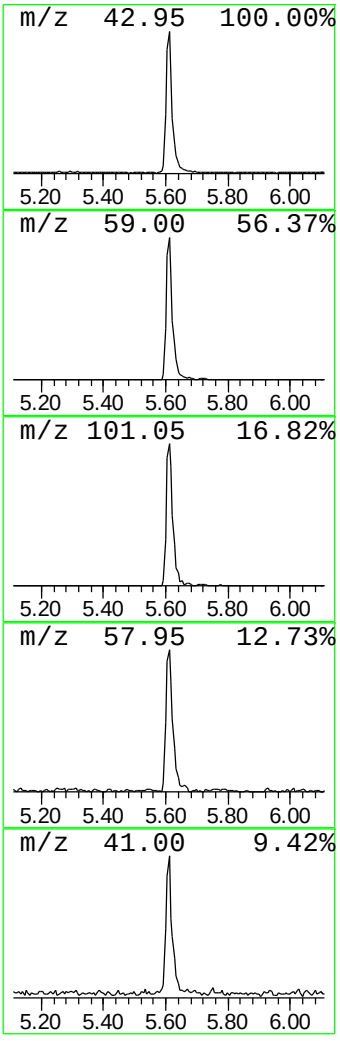
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	5.07 ng	99432	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

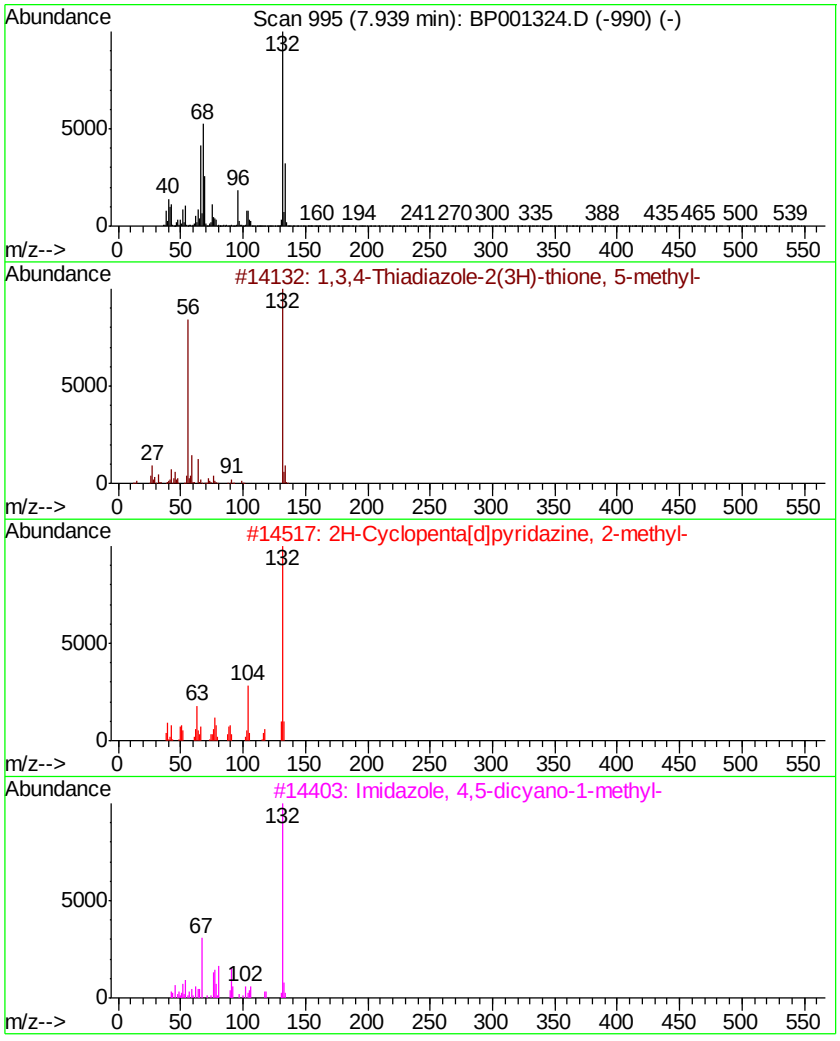
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

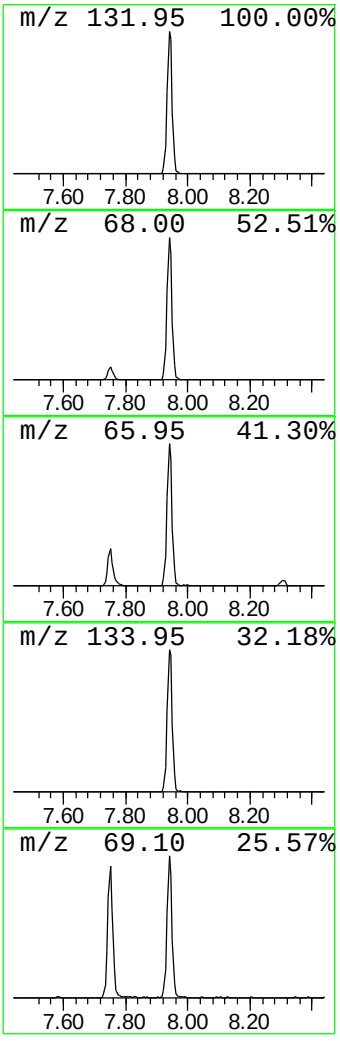
****

Peak Number 2 unknown7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	30.73 ng	602588	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
2	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	14
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

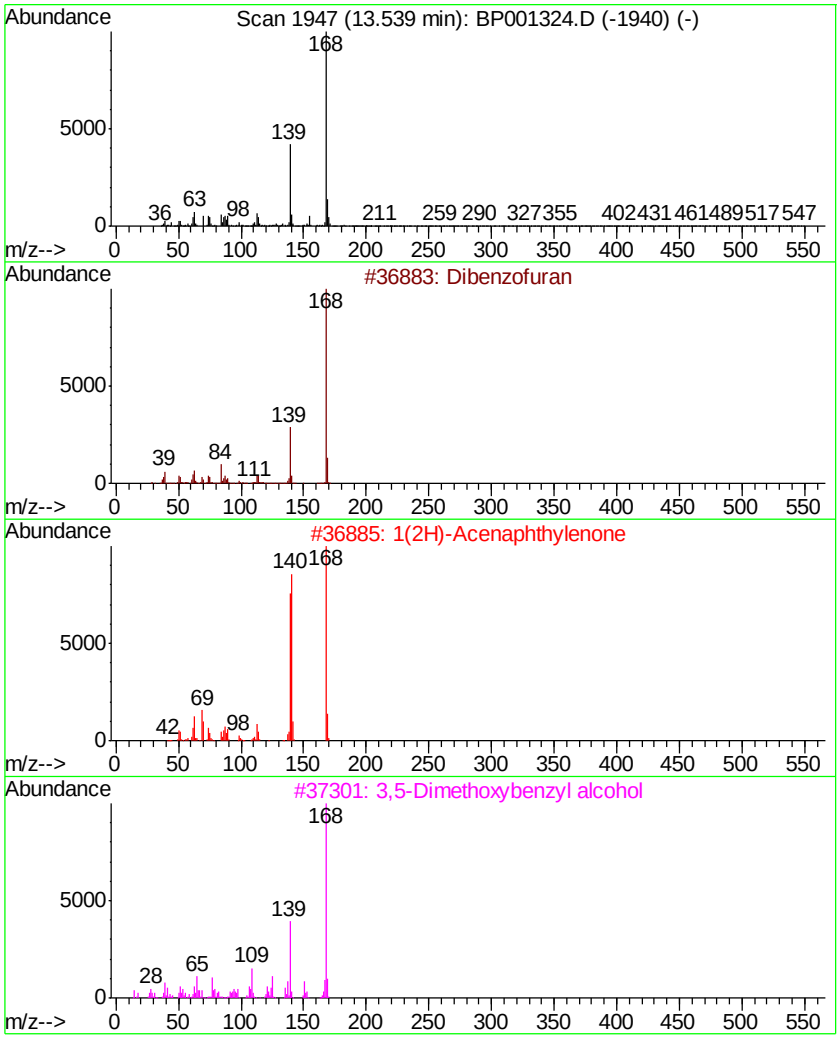
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

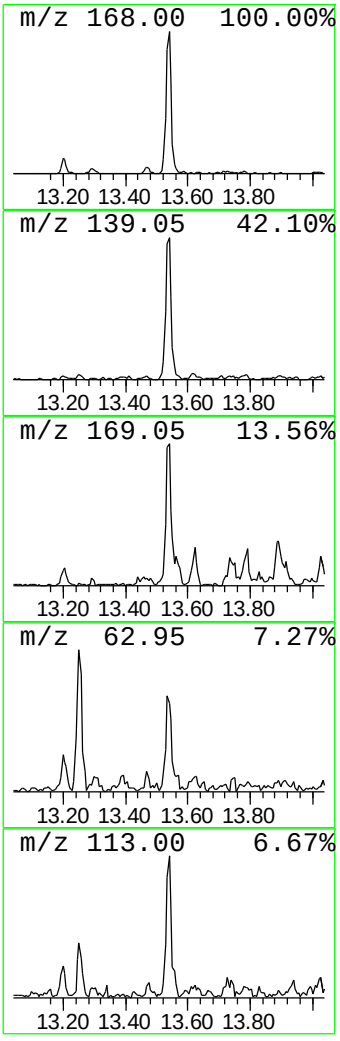
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	2.49 ng	70464	Acenaphthene-d10	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	90
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	53
3	3,5-Dimethoxybenzyl alcohol	168	C9H12O3	000705-76-0	50
4	1H-Pyrido[2,3-b]indole	168	C11H8N2	000244-76-8	50
5	2-Amino-6-fluorobenzothiazole	168	C7H5FN2S	000348-40-3	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

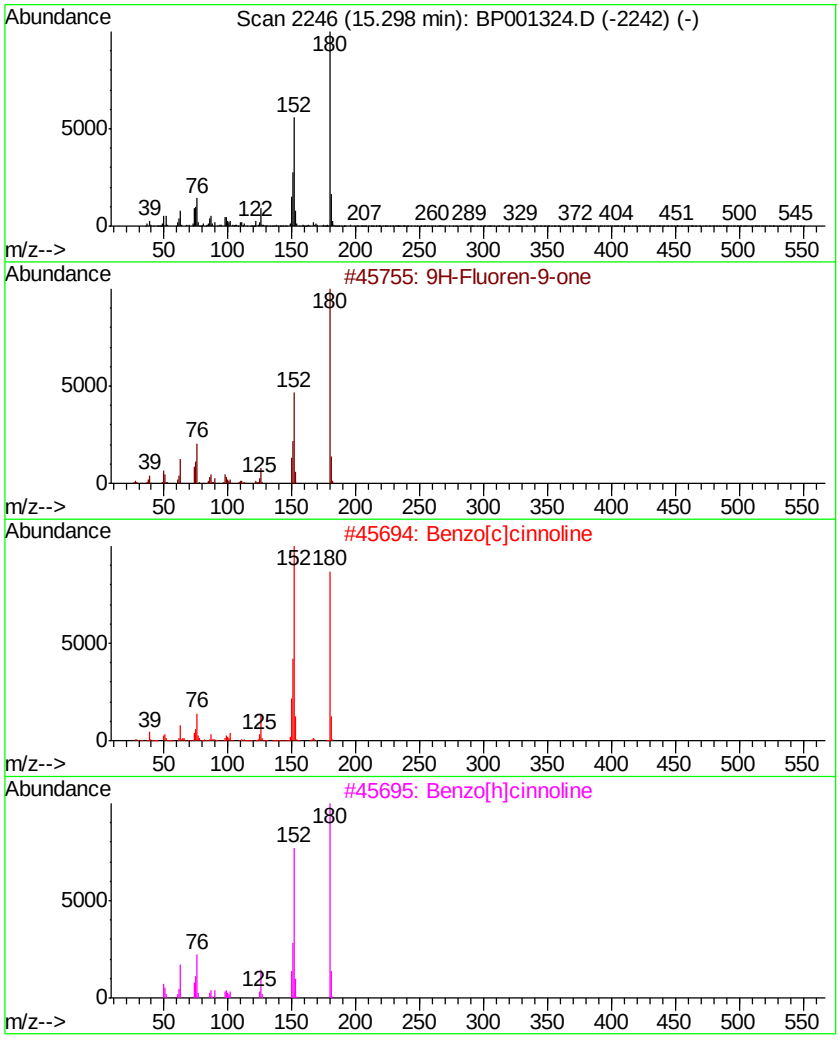
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

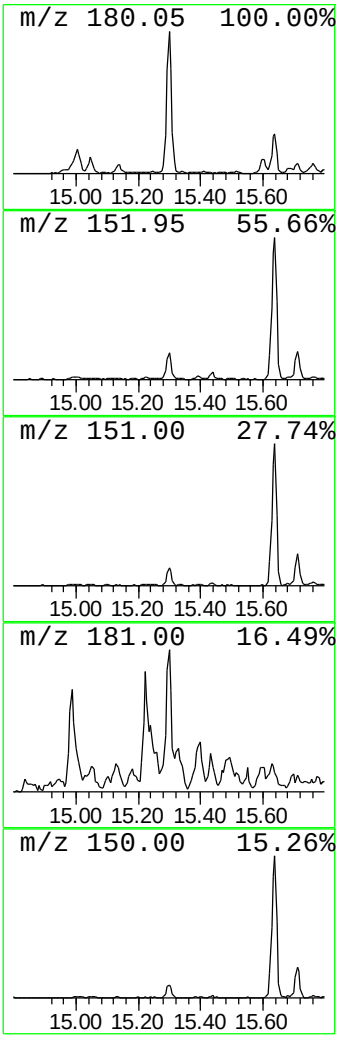
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.21 ng	90546	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

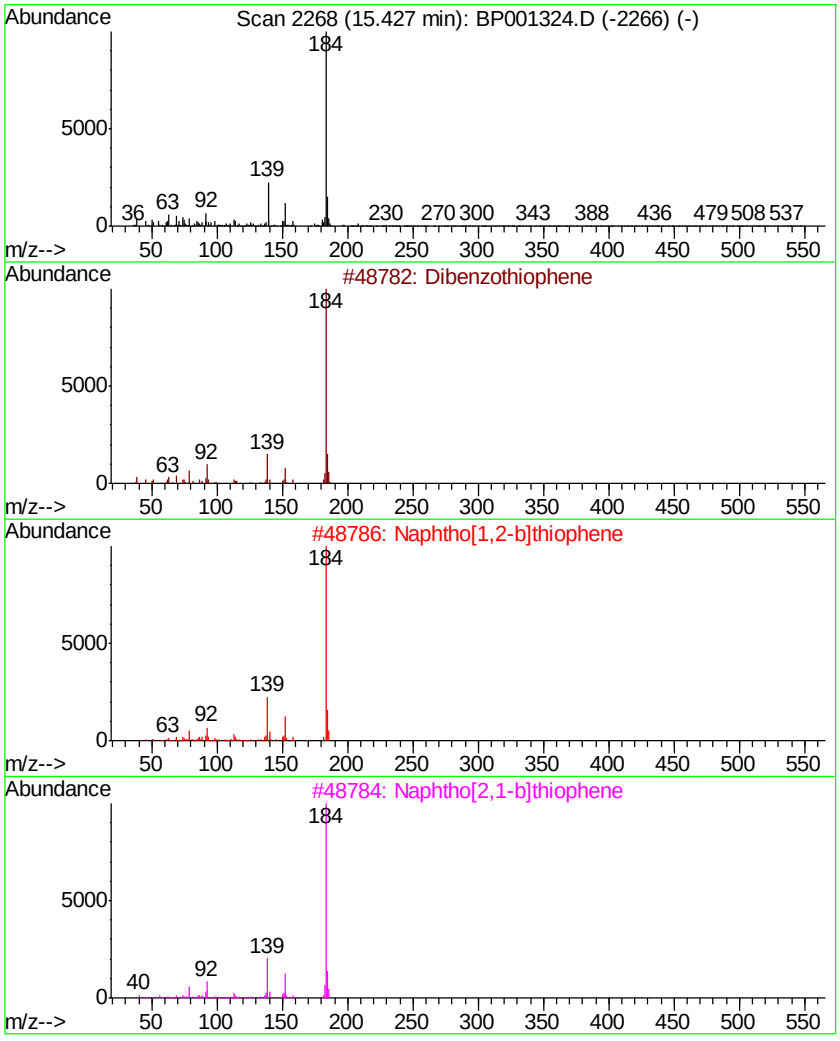
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

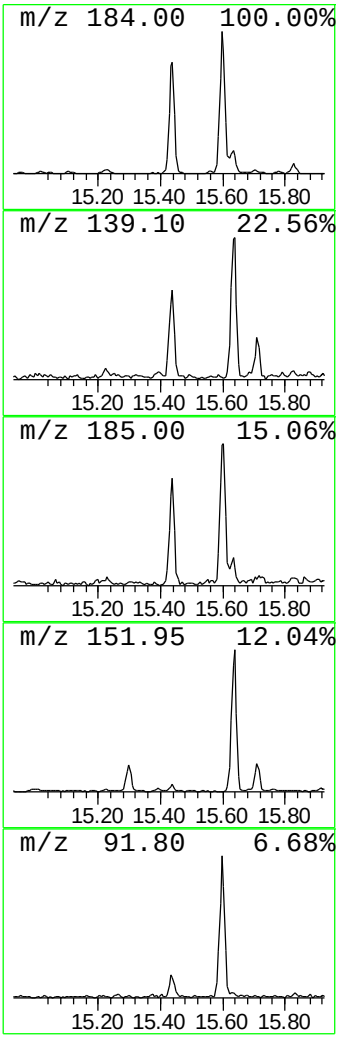
****

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.16 ng	60908	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

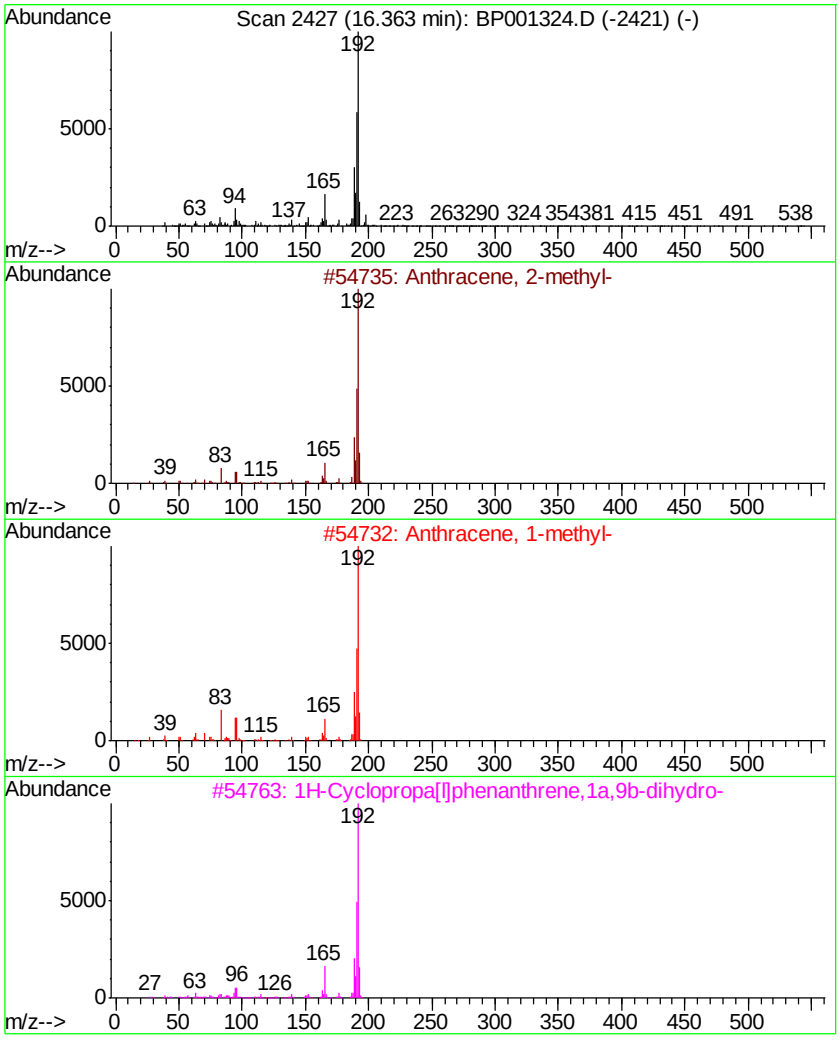
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

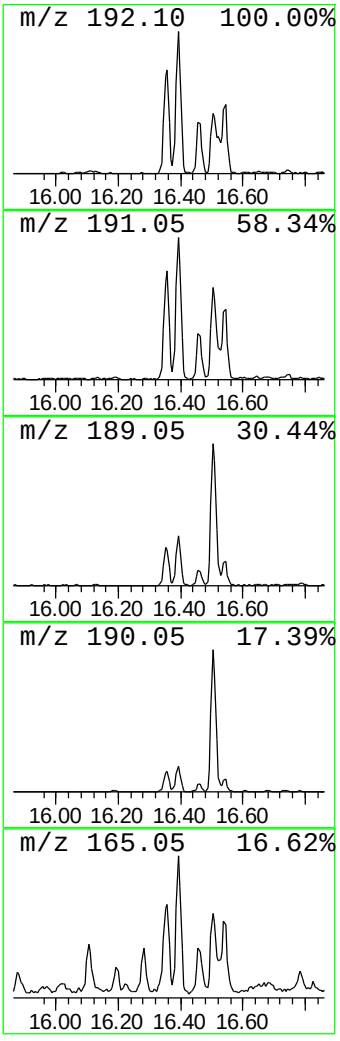
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	4.89 ng	137954	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

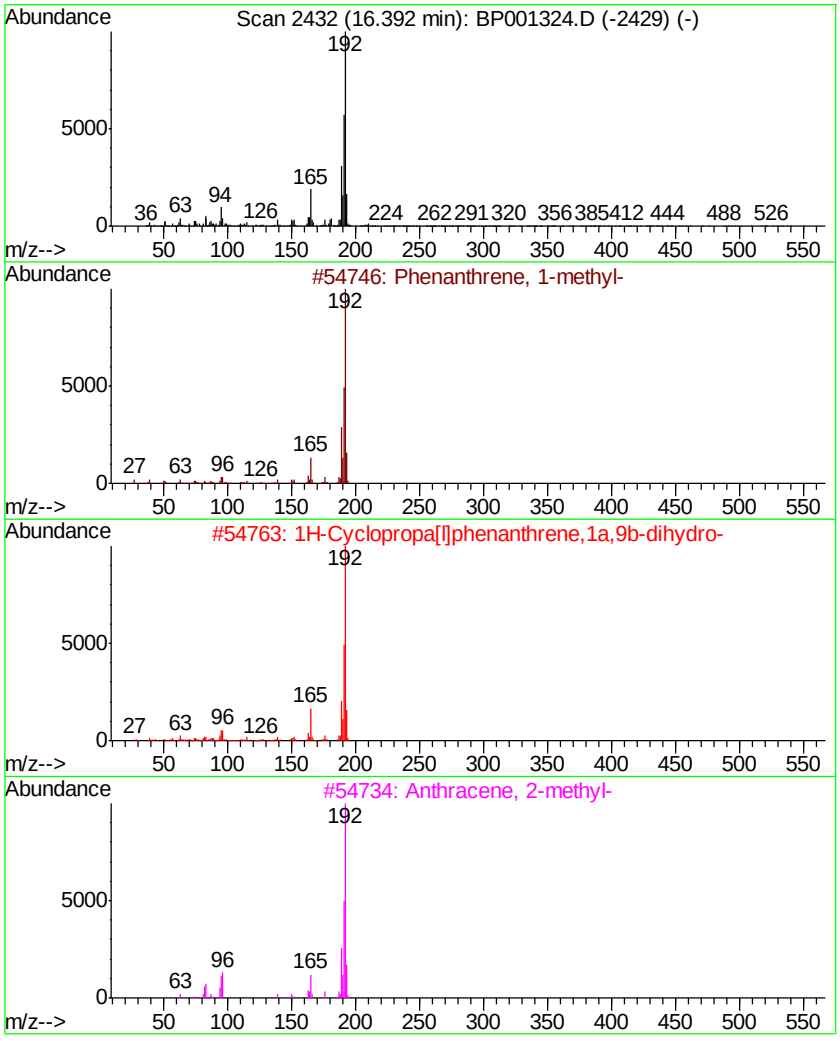
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

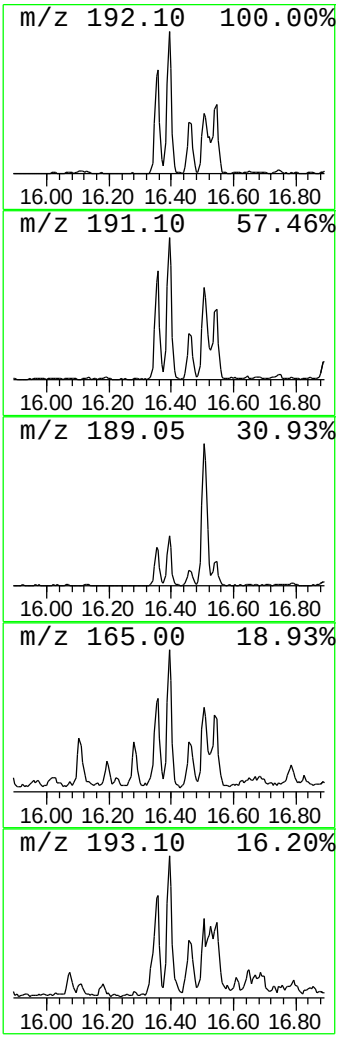
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	7.28 ng	205099	Phenanthrene-d10	15.60

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	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

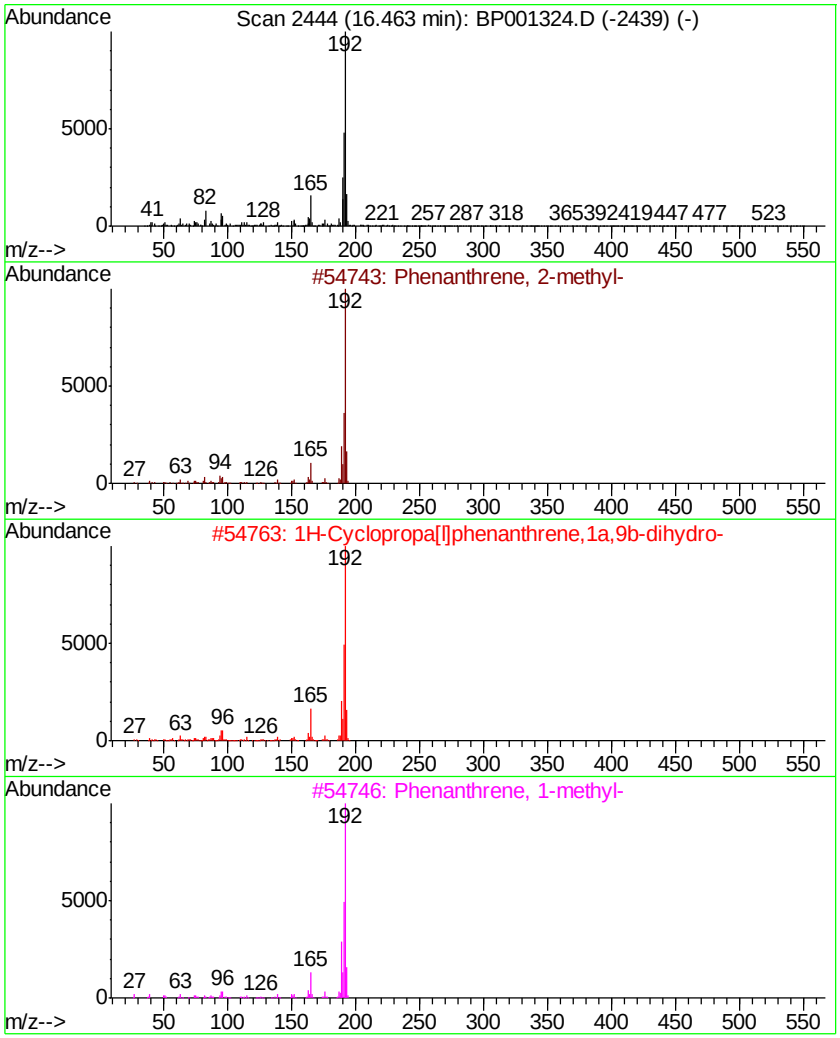
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

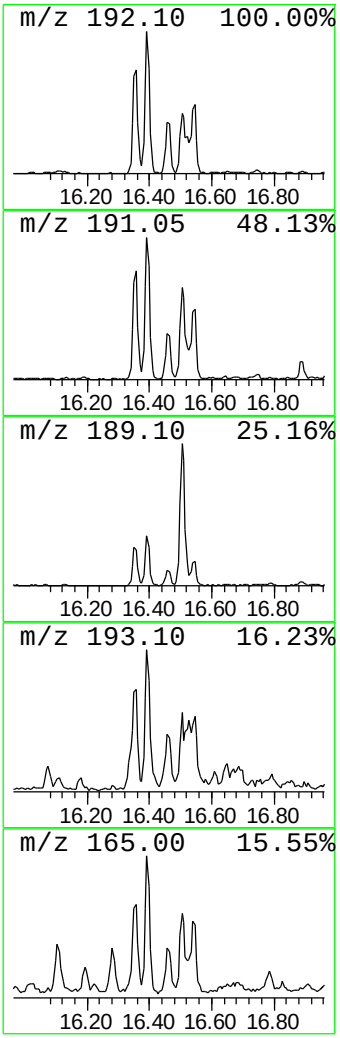
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	2.60 ng	73291	Phenanthrene-d10	15.60

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

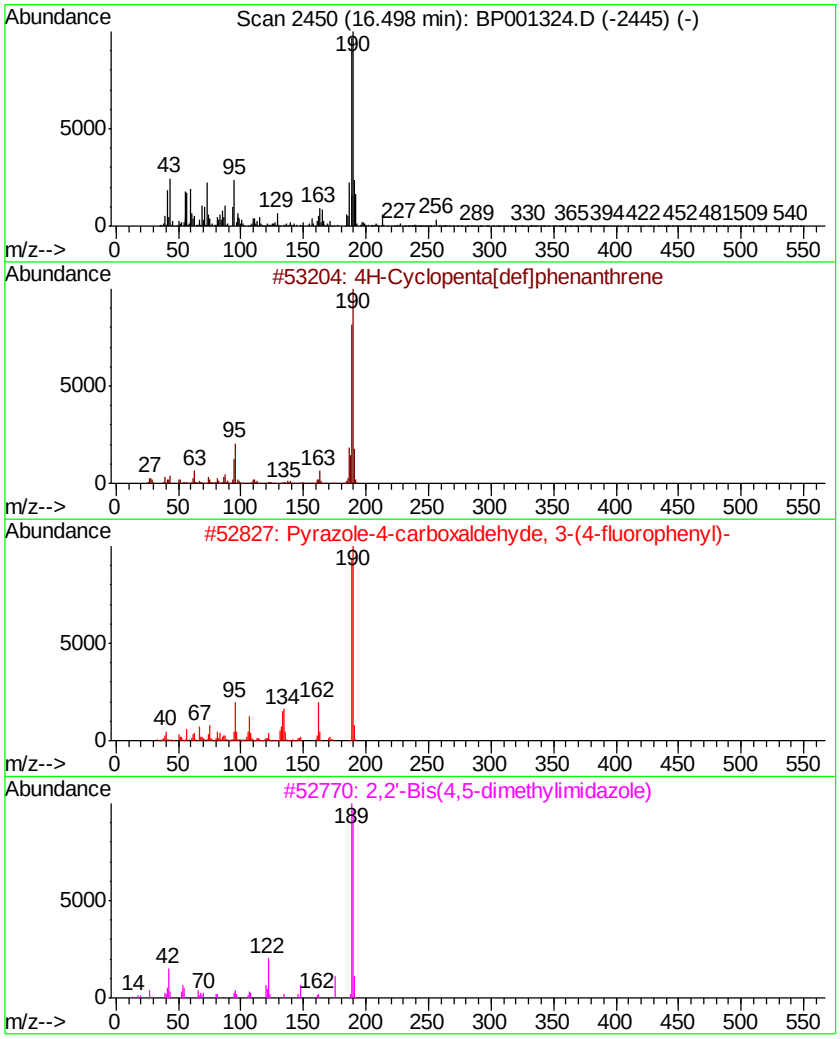
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

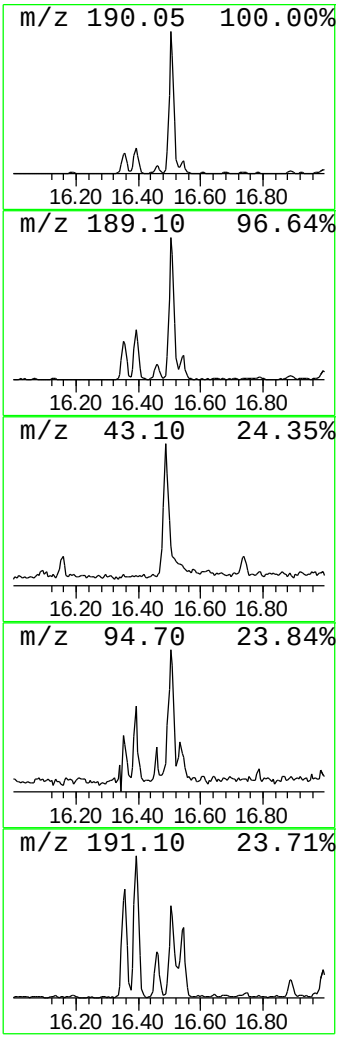
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	15.98 ng	450605	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33
5	Sarcosine, n-pentafluoropropiony...	333	C13H20F5NO3	1000320-94-0	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

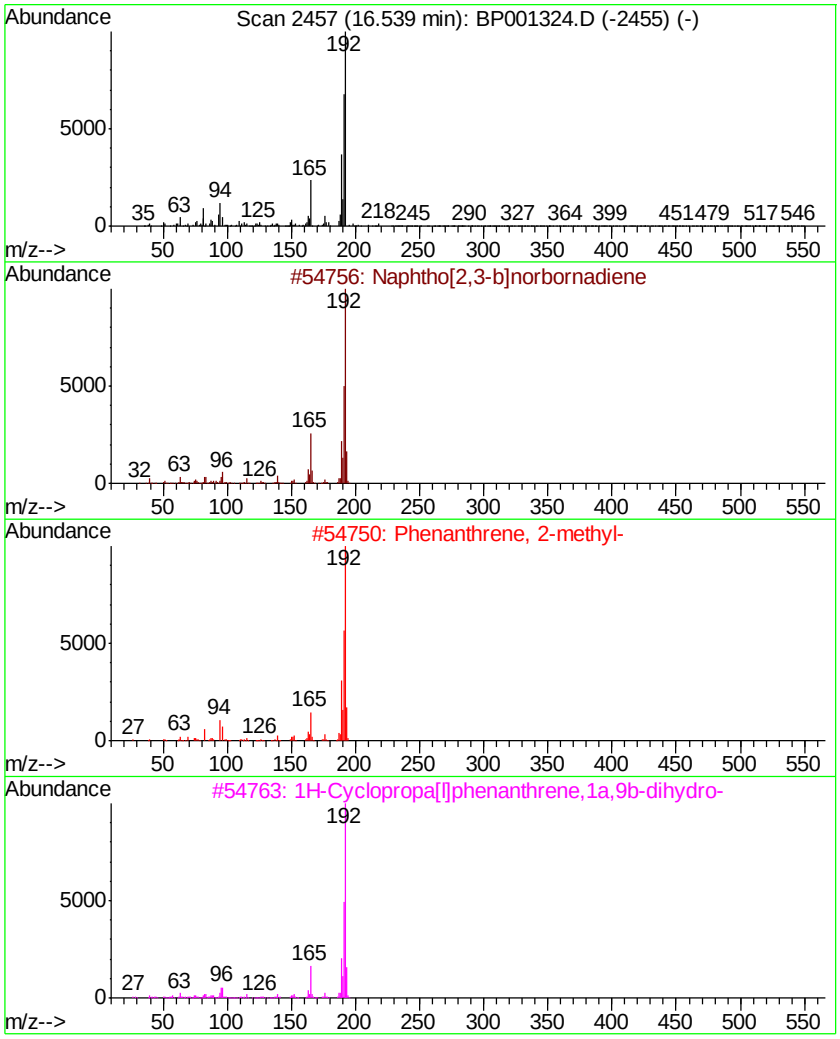
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

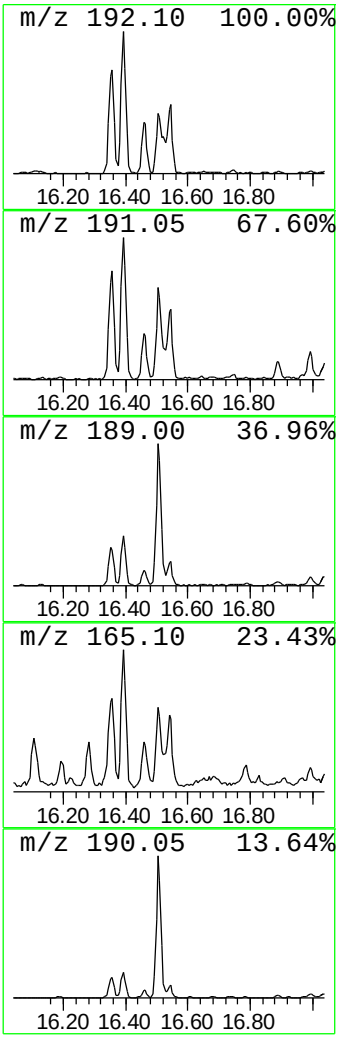
****

Peak Number 11 Naphtho[2,3-b]norbornadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	3.56 ng	100363	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	74
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

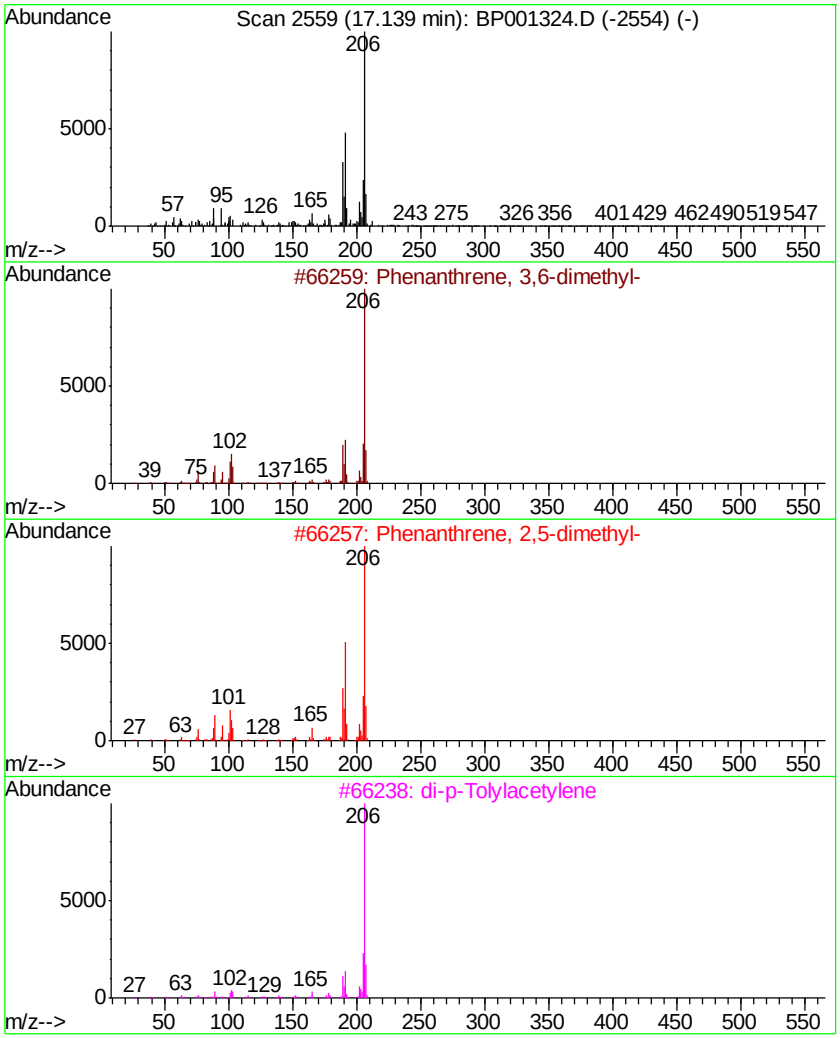
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

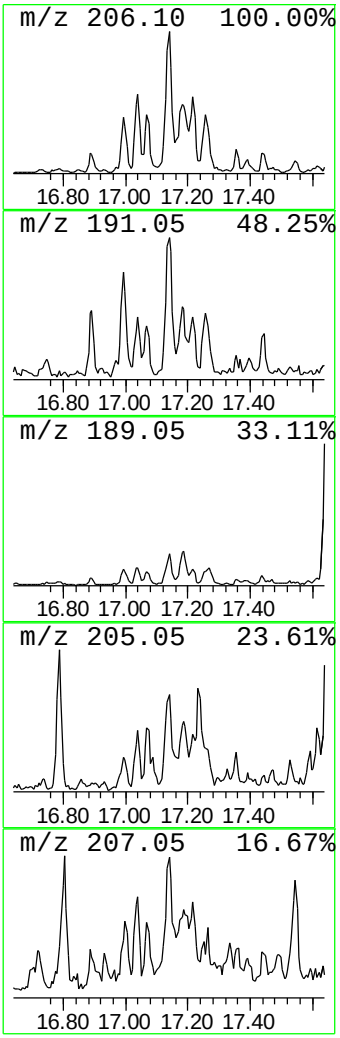
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.06 ng	86181	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

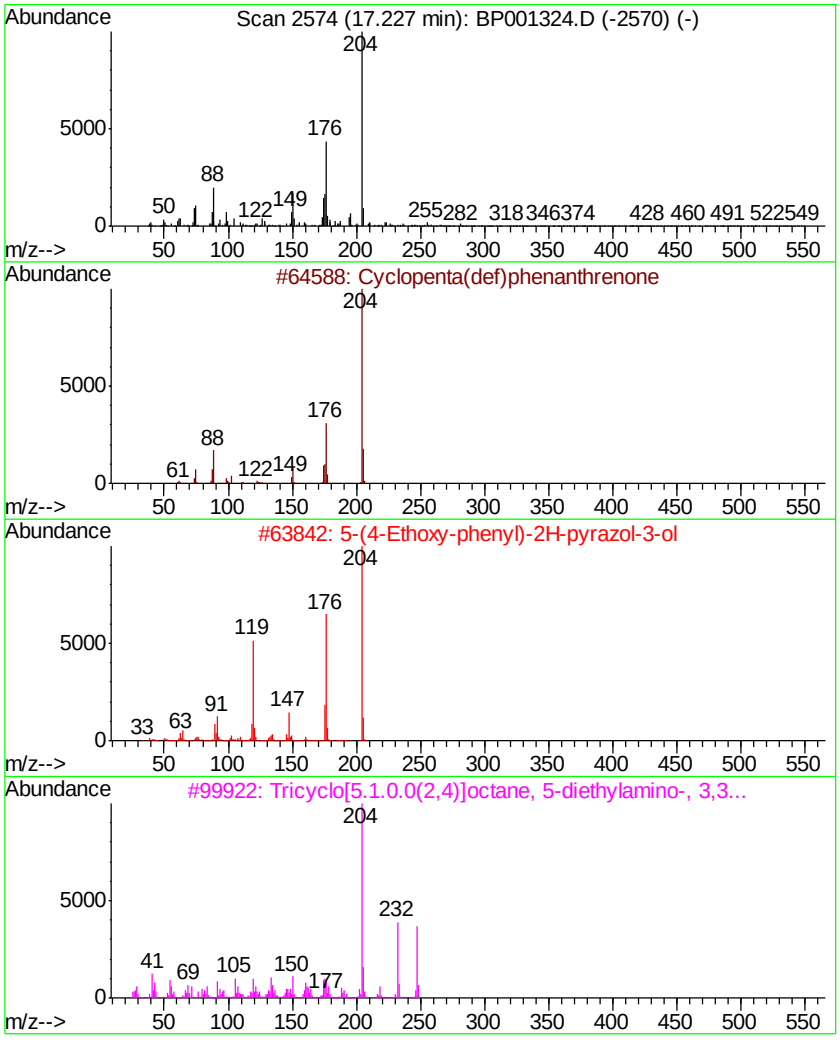
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

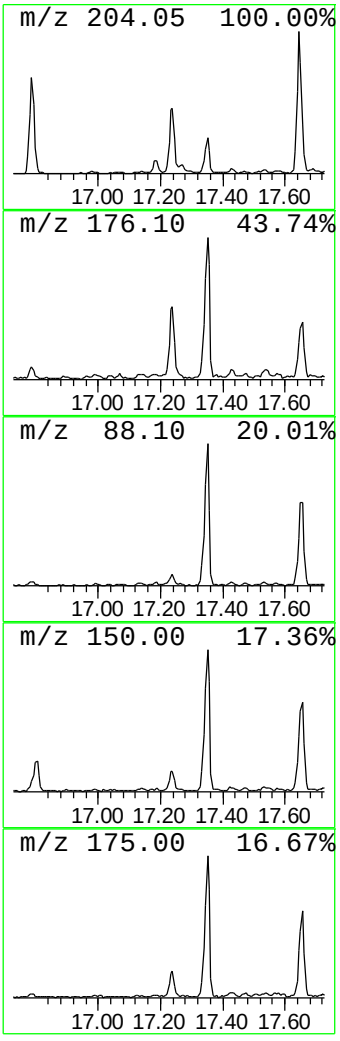
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	2.28 ng	64295	Phenanthrene-d10	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	72
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

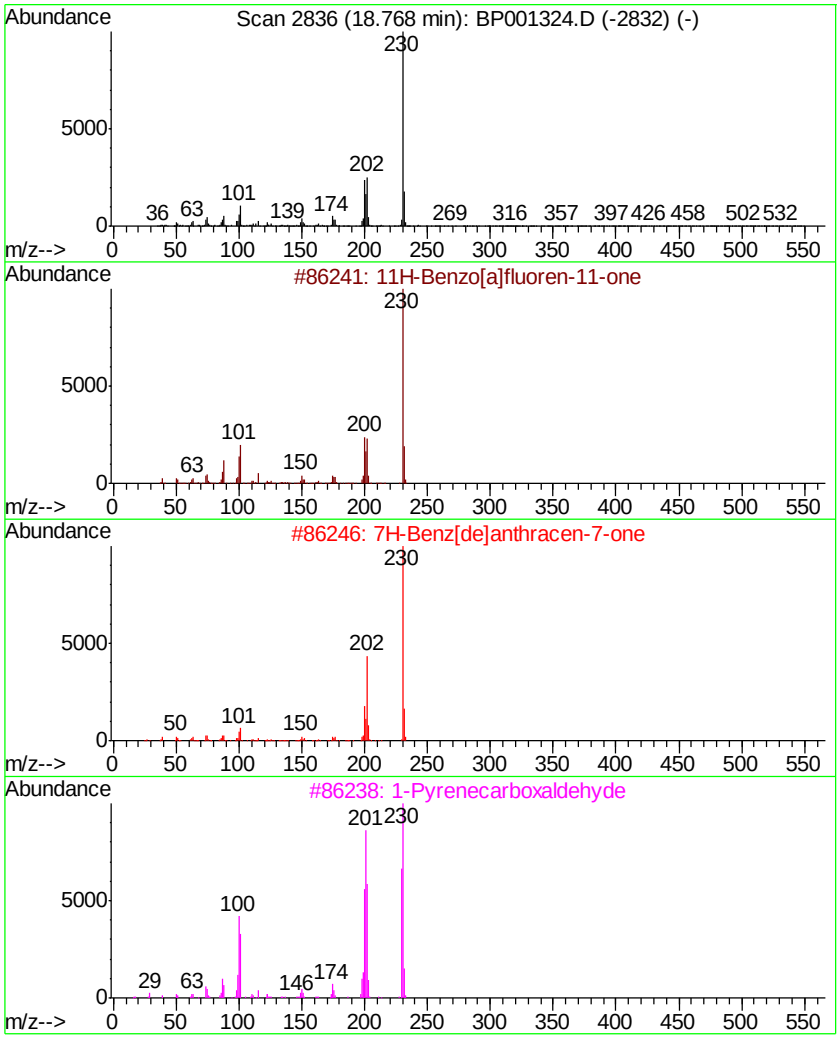
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

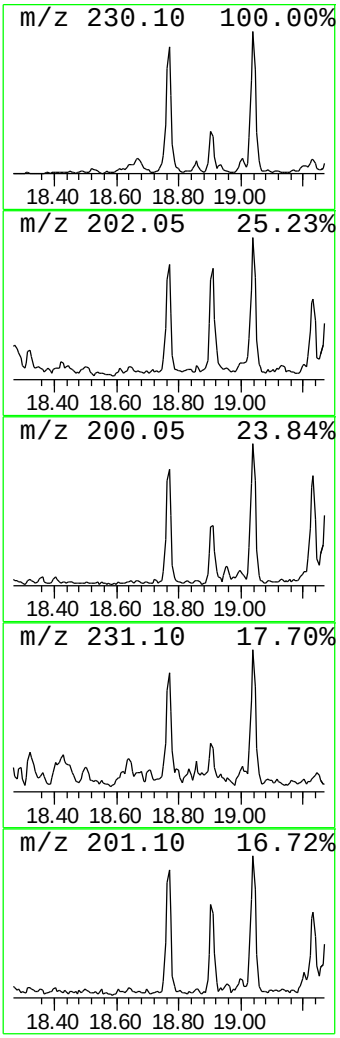
****

Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.42 ng	207635	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	o-Terphenyl	230	C18H14	000084-15-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

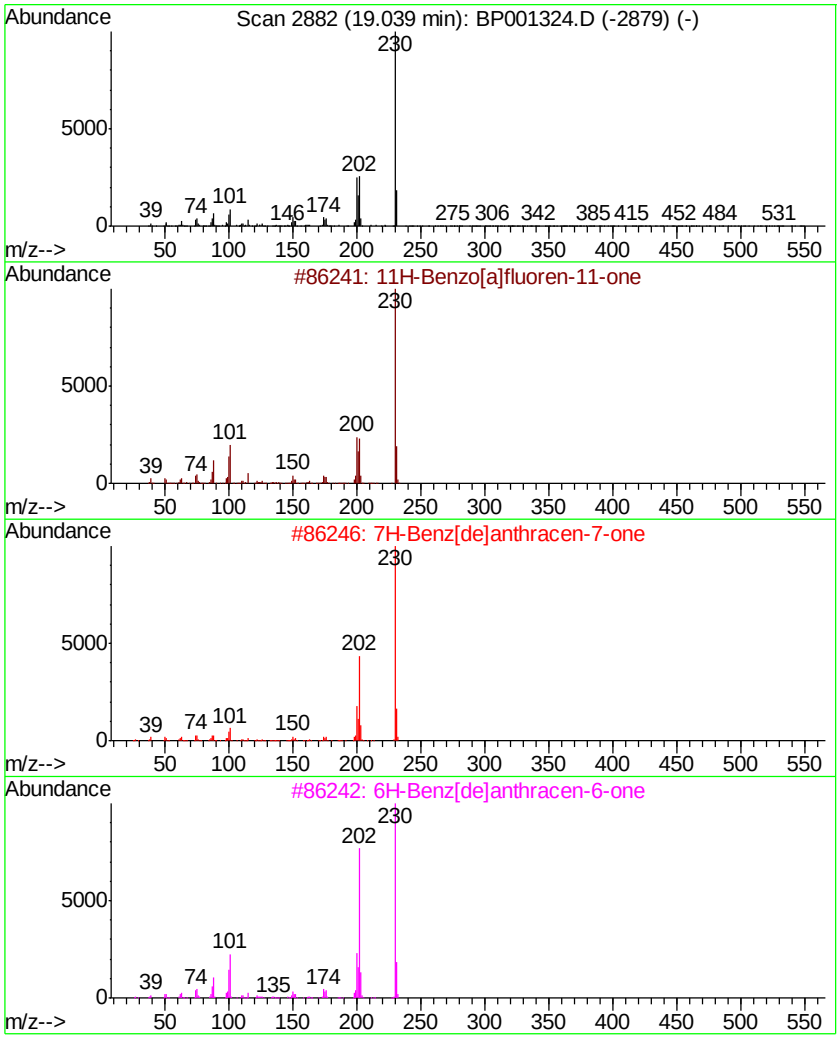
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

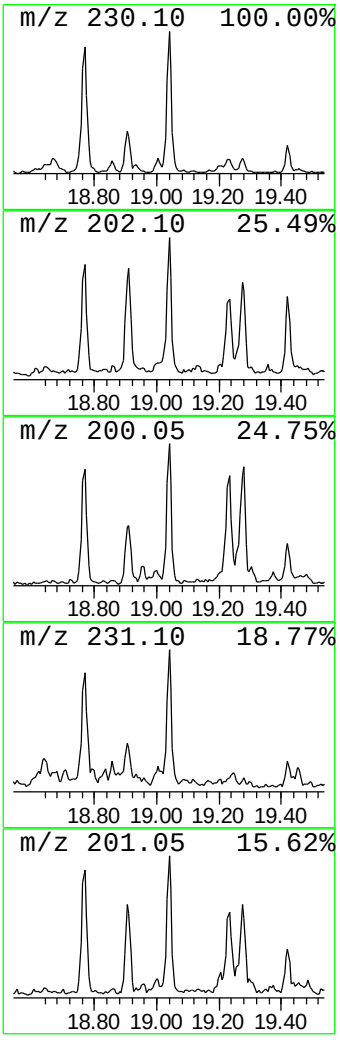
****

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.34 ng	200334	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

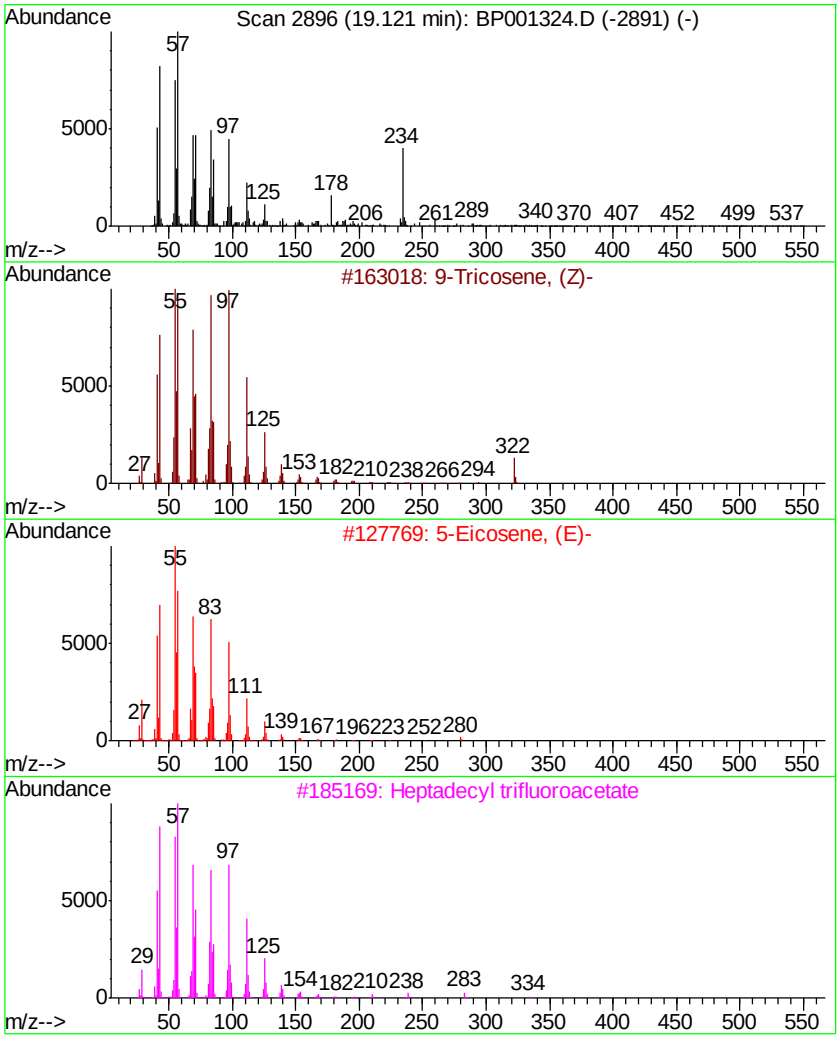
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

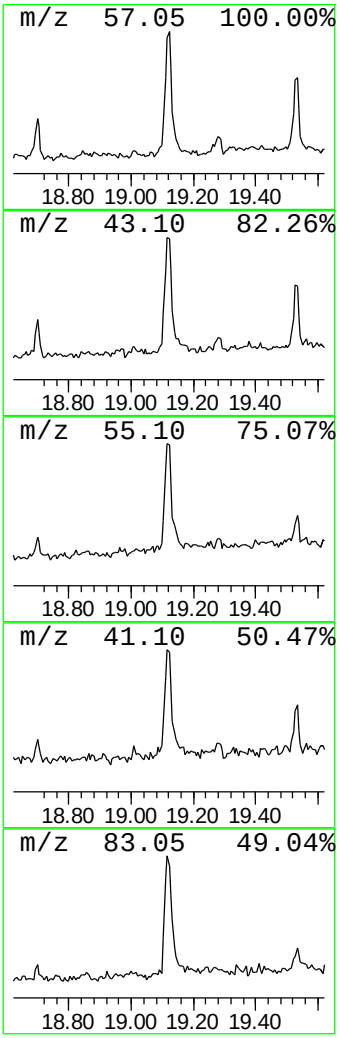
****

Peak Number 16 9-Tricosene, (Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.42 ng	207893	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	92
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	81
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	81
5	1-Heptacosanol	396	C27H56O	002004-39-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

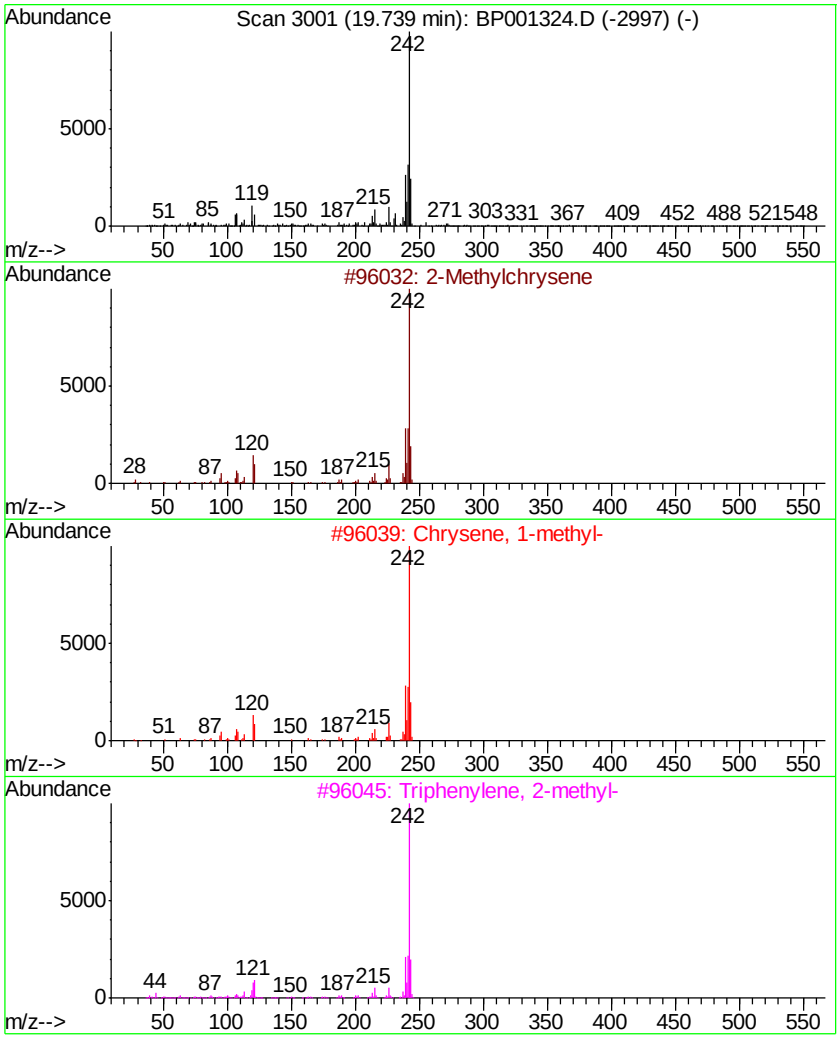
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

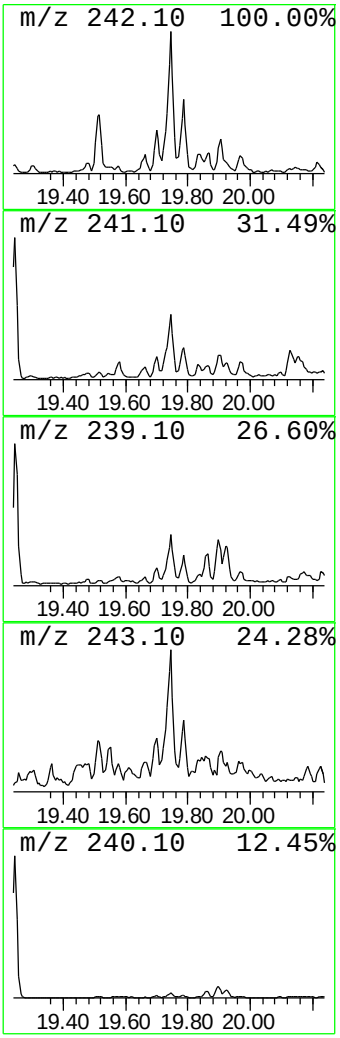
****

Peak Number 17 2-Methylchrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.37 ng	202977	Chrysene-d12	19.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

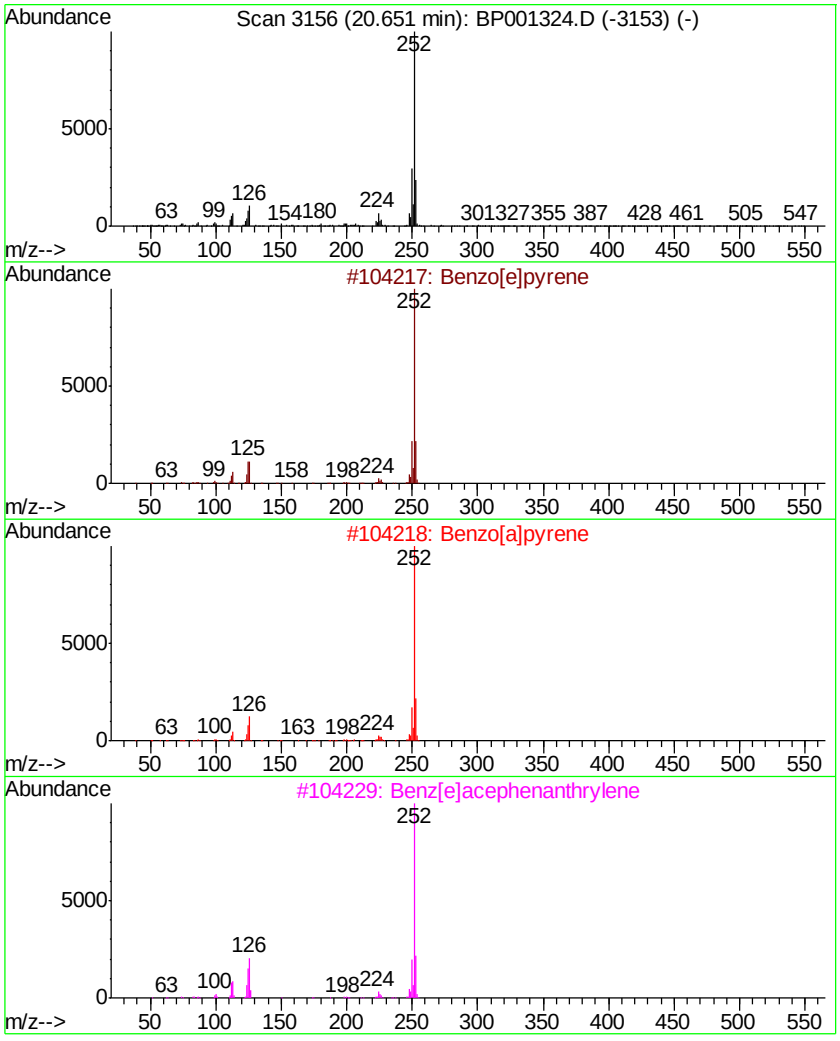
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

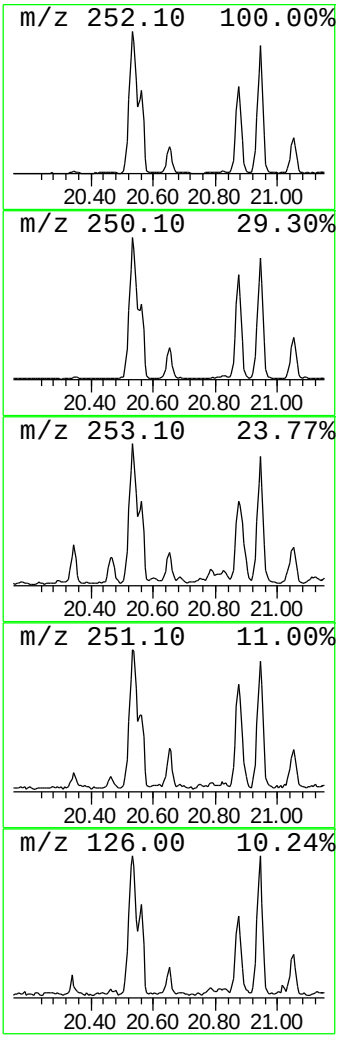
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.65	4.70 ng	118693	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

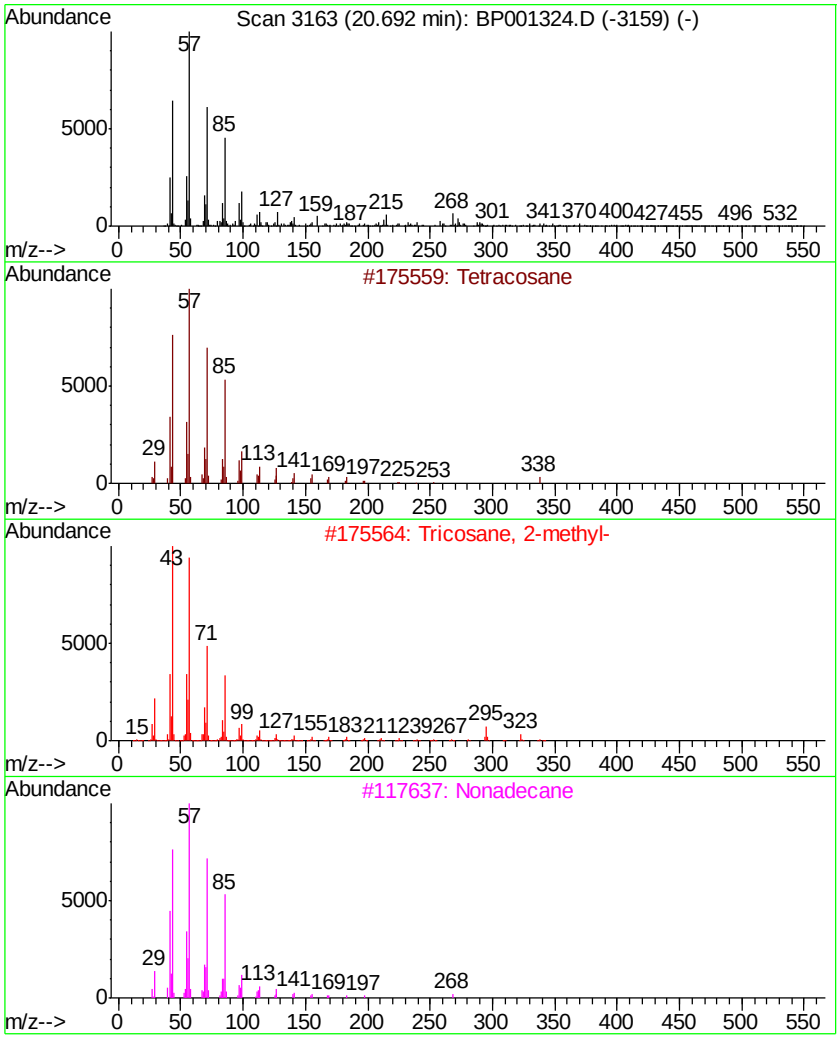
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

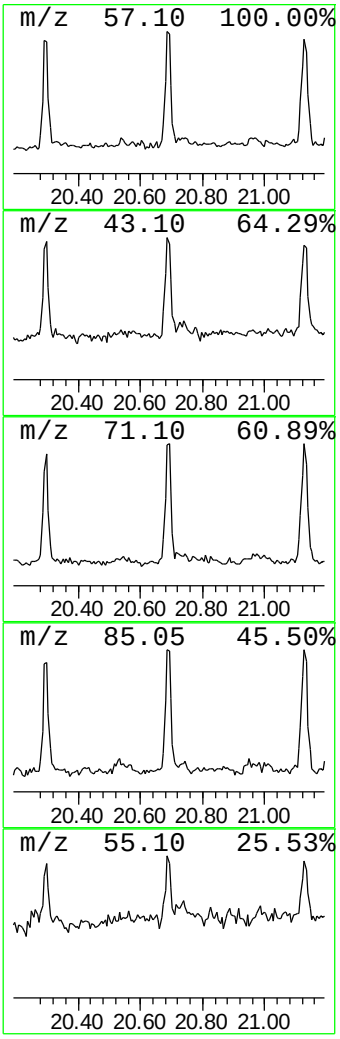
****

Peak Number 19 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	4.01 ng	101148	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Tricosane, 2-methyl-	338	C24H50	001928-30-9	89
3	Nonadecane	268	C19H40	000629-92-5	89
4	Docosane, 2,21-dimethyl-	338	C24H50	077536-31-3	83
5	2-Thiopheneacetic acid, 3-tetrad...	338	C20H34O2S	1000280-66-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

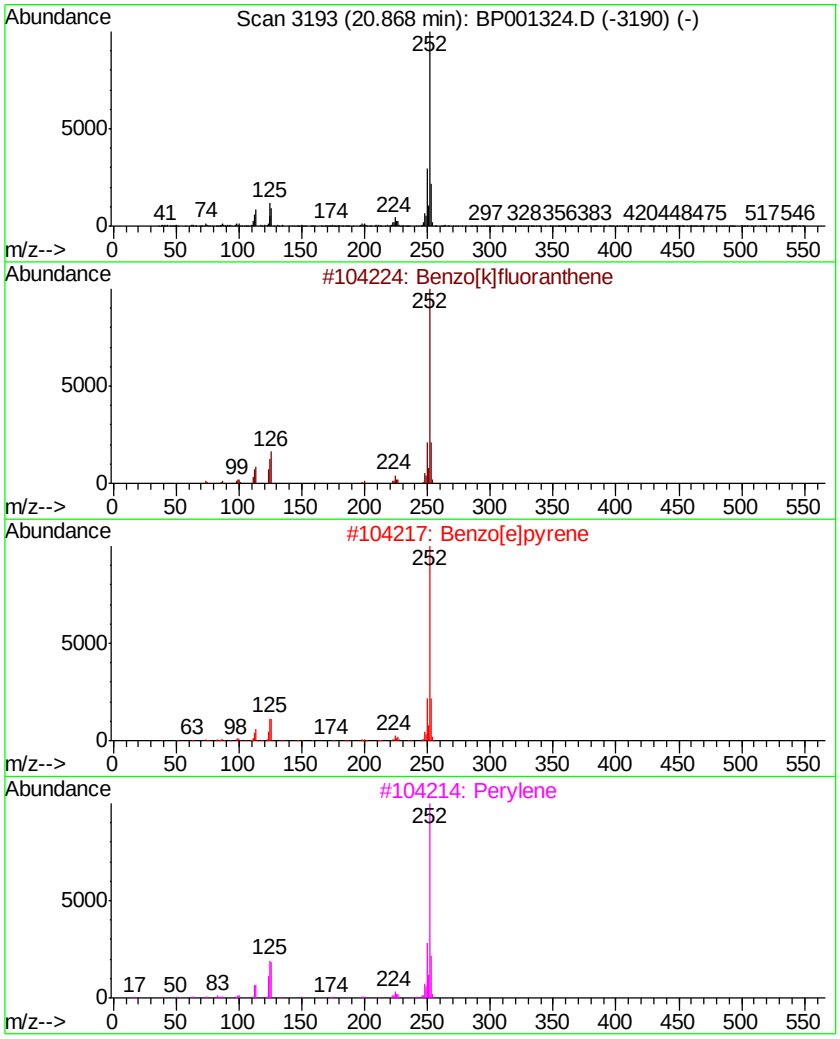
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

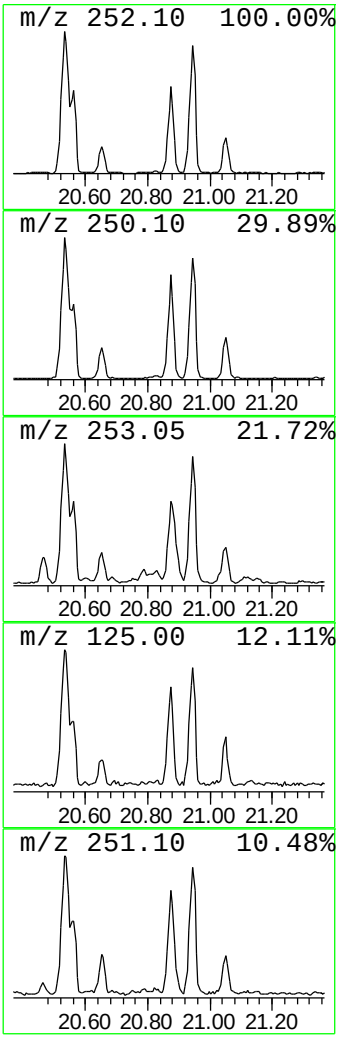
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	20.31 ng	512445	Perylene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121119\
Data File : BP001324.D
Acq On : 11 Dec 2019 21:27
Operator : JU
Sample : K6204-06 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : K072-AA-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.61	5.1	ng	99432	1	8.30	392210	20.0
unknown7.94	7.94	30.7	ng	602588	1	8.30	392210	20.0
1(2H)-Acenaphthyl...	13.54	2.5	ng	70464	3	13.20	566000	20.0
9H-Fluoren-9-one	15.30	3.2	ng	90546	4	15.60	563801	20.0
Naphtho[1,2-b]thi...	15.43	2.2	ng	60908	4	15.60	563801	20.0
Anthracene, 2-met...	16.36	4.9	ng	137954	4	15.60	563801	20.0
Phenanthrene, 1-m...	16.39	7.3	ng	205099	4	15.60	563801	20.0
Phenanthrene, 2-m...	16.46	2.6	ng	73291	4	15.60	563801	20.0
4H-Cyclopenta[def...	16.50	16.0	ng	450605	4	15.60	563801	20.0
Naphtho[2,3-b]nor...	16.54	3.6	ng	100363	4	15.60	563801	20.0
Phenanthrene, 3,6...	17.14	3.1	ng	86181	4	15.60	563801	20.0
Cyclopenta(def)ph...	17.23	2.3	ng	64295	4	15.60	563801	20.0
7H-Benz[de]anthra...	18.77	2.4	ng	207635	5	19.24	1715450	20.0
11H-Benzo[a]fluor...	19.04	2.3	ng	200334	5	19.24	1715450	20.0
9-Tricosene, (Z)-	19.12	2.4	ng	207893	5	19.24	1715450	20.0
2-Methylchrysene	19.74	2.4	ng	202977	5	19.24	1715450	20.0
Benzo[e]pyrene	20.65	4.7	ng	118693	6	21.02	504723	20.0
Tetracosane	20.69	4.0	ng	101148	6	21.02	504723	20.0
Perylene	20.87	20.3	ng	512445	6	21.02	504723	20.0