LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

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-BP010820.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	2.940	18	26	37	rVB3	234401	407252	11.47%	0.895%
2	4.799	337	342	351	rVB	212589	309558	8.72%	0.680%
3	5.258	414	420	440	rVB	597381	953763	26.85%	2.096%
4	5.652	481	487	507	rBV	469075	916145	25.79%	2.013%
5	6.828	679	687	692	rVV	660994	1089564	30.68%	2.395%
6	6.875	692	695	708	rVB2	99026	228200	6.42%	0.502%
7	7.069	724	728	736	rVB	53924	86612	2.44%	0.190%
8	7.175	736	746	758	rVB	623465	1040439	29.29%	2.287%
9	7.299	758	767	776	rBV	275390	591800	16.66%	1.301%
10	7.381	776	781	787	rVV	138925	212088	5.97%	0.466%
11	7.628	816	823	831	rBV	190171	296172	8.34%	0.651%
12	7.946	870	877	885	rBV	493260	783196	22.05%	1.721%
13	8.163	904	914	929	rBV	348936	614312	17.30%	1.350%
14	8.775	1005	1018	1024	rBV	436728	761840	21.45%	1.674%
15	8.899	1032	1039	1047	rBV2	45284	109434	3.08%	0.241%
16	9.228	1087	1095	1104	rBV3	60784	122341	3.44%	0.269%
17	9.393	1114	1123	1125	rVV3	48827	103165	2.90%	0.227%
18	9.434	1125	1130	1148	rVB	696173	1199321	33.77%	2.636%
19	9.840	1191	1199	1206	rBV2	73140	169935	4.78%	0.373%
20	9.951	1214	1218	1222	rVB	68792	96177	2.71%	0.211%
21	10.404	1288	1295	1300	rBV	223753	372982	10.50%	0.820%
22	10.451	1300	1303	1310	rVB	48192	80073	2.25%	0.176%
23	10.922	1373	1383	1389	rBV	277764	460706	12.97%	1.012%
24	11.057	1398	1406	1415	rBV2	338747	598799	16.86%	1.316%
25	12.057	1570	1576	1582	rBV	236960	407199	11.46%	0.895%
26	12.510	1650	1653	1662	rVB2	53478	93059	2.62%	0.205%
27	12.722	1684	1689	1694	rBV	54491	88107	2.48%	0.194%
28	12.828	1701	1707	1712	rBV3	51647	90129	2.54%	0.198%
29	12.892	1712	1718	1727	rBV	945554	1383633	38.95%	3.041%
30	13.192	1765	1769	1776	rVB4	40507	86757	2.44%	0.191%
31	13.445	1807	1812	1818	rVB3	108687	197835	5.57%	0.435%
32	13.510	1818	1823	1828	rBV2	76341	112603	3.17%	0.247%
33	13.586	1830	1836	1843	rVV2	237789	418699	11.79%	0.920%
34	13.739	1851	1862	1870	rVV2	101978	228595	6.44%	0.502%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

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-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.869	1880	1884	1889	rVV2	77782	146172	4.12%	0.321%
36	13.992	1899	1905	1911	rVV	233811	386562	10.88%	0.850%
37	14.051	1911	1915	1922	rVB	45115	75986	2.14%	0.167%
38	14.275	1947	1953	1959	rBV	321275	505723	14.24%	1.111%
39	14.339	1959	1964	1972	rVV	440413	653214	18.39%	1.436%
40	14.681	2011	2022	2030	rVV	385092	583770	16.44%	1.283%
41	14.916	2055	2062	2067	rBV7	39284	90878	2.56%	0.200%
42	15.333	2127	2133	2139	rBV	633010	941257	26.50%	2.069%
43	15.633	2180	2184	2188	rBV	97113	138511	3.90%	0.304%
44	15.781	2203	2209	2217	rVB2	926371	1372128	38.63%	3.016%
45	15.880	2220	2226	2233	rVB2	130485	207163	5.83%	0.455%
46	16.345	2298	2305	2310	rBV3	58451	130914	3.69%	0.288%
47	16.622	2349	2352	2359	rBV6	43595	89989	2.53%	0.198%
48	16.692	2360	2364	2368	rBV2	76635	136125	3.83%	0.299%
49	16.786	2375	2380	2385	rBV4	55492	108232	3.05%	0.238%
50	16.851	2385	2391	2395	rVV3	209036	415267	11.69%	0.913%
51	16.892	2395	2398	2402	rVB	68516	89574	2.52%	0.197%
52	17.039	2418	2423	2426	rBV	398617	567399	15.97%	1.247%
53	17.086	2426	2431	2436	rVV	2468878	3551900	100.00%	7.806%
54	17.175	2442	2446	2451	rVB	431195	592453	16.68%	1.302%
55	17.445	2484	2492	2499	rBV2	170362	317049	8.93%	0.697%
56	17.580	2510	2515	2519	rVB2	172412	226315	6.37%	0.497%
57	17.916	2568	2572	2576	rBV	166652	225682	6.35%	0.496%
58	17.963	2576	2580	2586	rVB2	295405	433618	12.21%	0.953%
59	18.039	2591	2593	2597	rVB	80345	94049	2.65%	0.207%
60	18.104	2598	2604	2608	rBV2	356176	585430	16.48%	1.287%
61	18.263	2627	2631	2635	rBV2	167128	202417	5.70%	0.445%
62	18.410	2652	2656	2658	rBV	132759	166489	4.69%	0.366%
63	18.439	2658	2661	2669	rVB2	112534	160730	4.53%	0.353%
64	18.704	2703	2706	2709	rBV2	56054	88302	2.49%	0.194%
65	18.816	2720	2725	2730	rBV	190911	288985	8.14%	0.635%
66	18.874	2731	2735	2738	rVV3	171011	205270	5.78%	0.451%
67	18.951	2744	2748	2753	rBV3	77116	137790	3.88%	0.303%
68	19.069	2763	2768	2775	rVB	1832127	2314966	65.18%	5.088%
69	19.210	2788	2792	2797	rBV	118296	196044	5.52%	0.431%
70	19.304	2805	2808	2812	rVB2	65460	80002	2.25%	0.176%
71	19.421	2819	2828	2837	rBV	1416217	2414541	67.98%	5.306%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

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-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.498	2837	2841	2847	rVB2	78454	164260	4.62%	0.361%
73	19.598	2854	2858	2859	rBV2	87990	116239	3.27%	0.255%
74	19.627	2859	2863	2873	rVB	1549130	1986952	55.94%	4.367%
75	19.739	2878	2882	2888	rBV3	98752	215635	6.07%	0.474%
76	19.874	2901	2905	2907	rBV4	87848	135275	3.81%	0.297%
77	19.904	2907	2910	2915	rVB	218957	288214	8.11%	0.633%
78	19.957	2916	2919	2923	rBV	102818	105368	2.97%	0.232%
79	20.004	2923	2927	2931	rVB	172494	192451	5.42%	0.423%
80	20.057	2933	2936	2941	rVB3	127523	164202	4.62%	0.361%
81	20.192	2956	2959	2963	rVB	86554	96951	2.73%	0.213%
82	20.239	2964	2967	2971	rVB	94617	118690	3.34%	0.261%
83	20.798	3059	3062	3065	rVB	141746	155447	4.38%	0.342%
84	20.833	3065	3068	3071	rVB	107981	113108	3.18%	0.249%
85	20.886	3071	3077	3082	rBV4	293390	531851	14.97%	1.169%
86	21.139	3114	3120	3124	rBV3	828109	1592812	44.84%	3.500%
87	21.180	3124	3127	3137	rVB	606993	831016	23.40%	1.826%
88	21.457	3170	3174	3179	rBV2	53738	101226	2.85%	0.222%
89	21.692	3212	3214	3218	rVB	125548	144497	4.07%	0.318%
90	21.757	3220	3225	3232	rBV3	79912	180949	5.09%	0.398%
91	21.886	3244	3247	3250	rBV	74929	94543	2.66%	0.208%
92	22.710	3381	3387	3399	rBV	421453	1357527	38.22%	2.983%
93	22.880	3412	3416	3423	rVB	93709	154322	4.34%	0.339%
94	23.186	3463	3468	3476	rVB	299023	532527	14.99%	1.170%
95	23.280	3478	3484	3489	rBV	360904	691705	19.47%	1.520%
96	23.374	3495	3500	3506	rBV	247344	475064	13.37%	1.044%
97	23.427	3506	3509	3518	rVB2	99173	193787	5.46%	0.426%
98	23.974	3599	3602	3608	rVB3	70208	109405	3.08%	0.240%
99	25.621	3875	3882	3895	rVB4	199828	596659	16.80%	1.311%
100	26.315	3992	4000	4011	rVB	151348	430376	12.12%	0.946%

Sum of corrected areas: 45502444

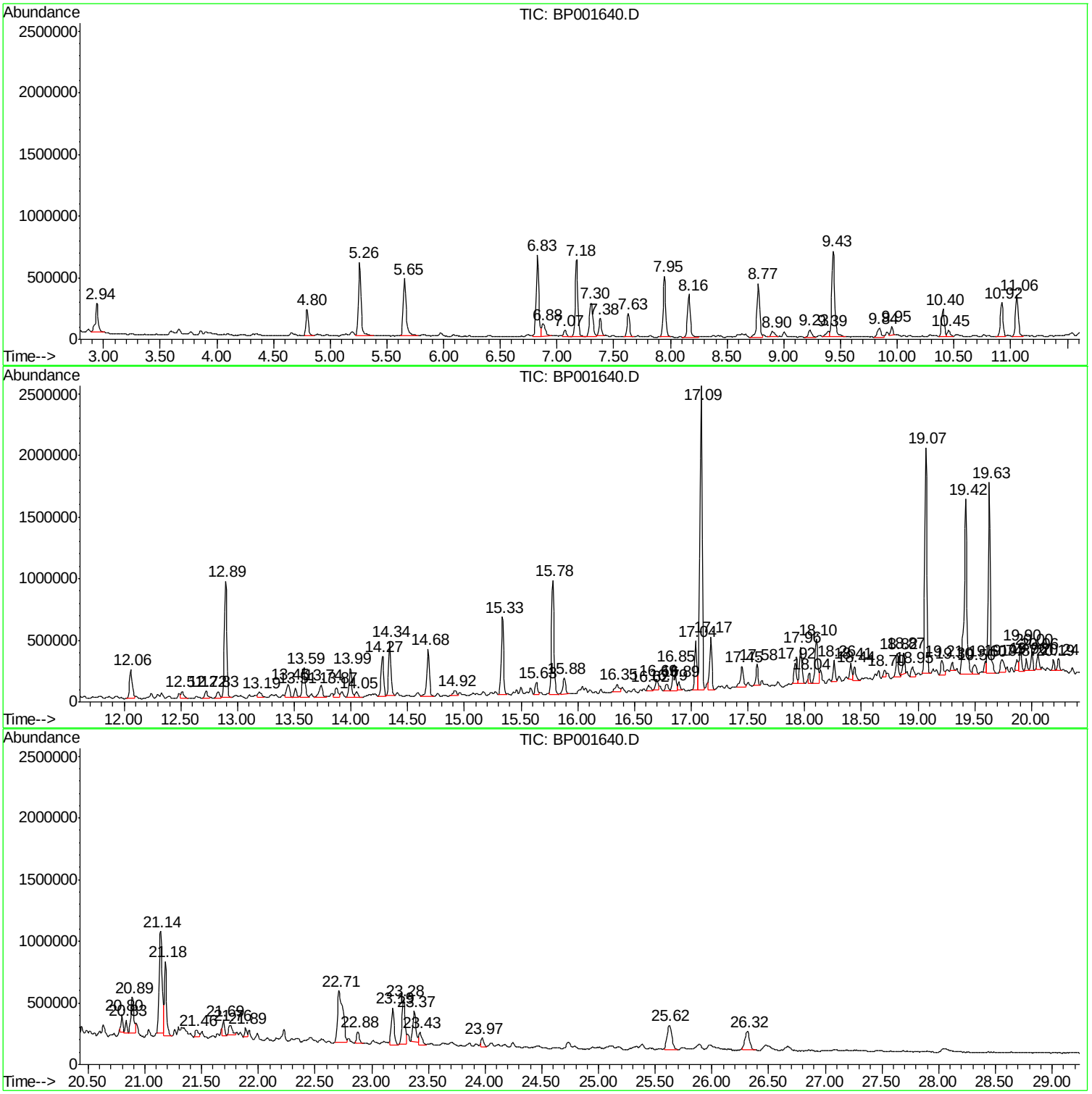
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

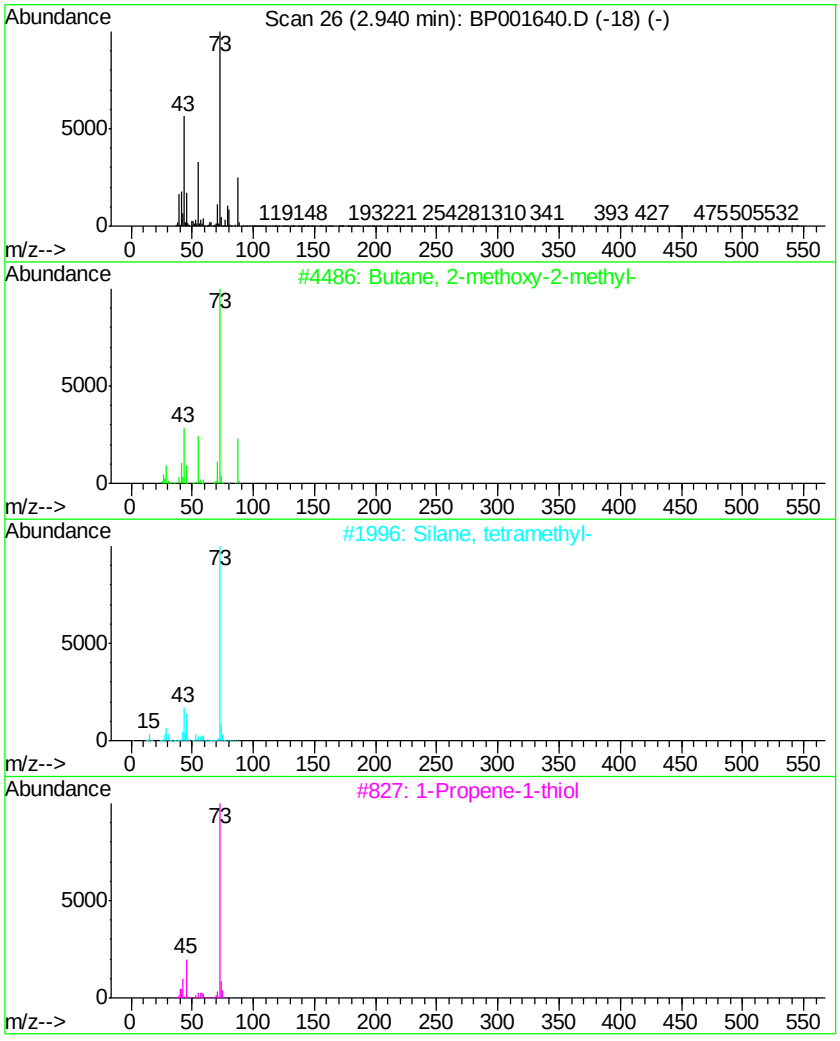
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

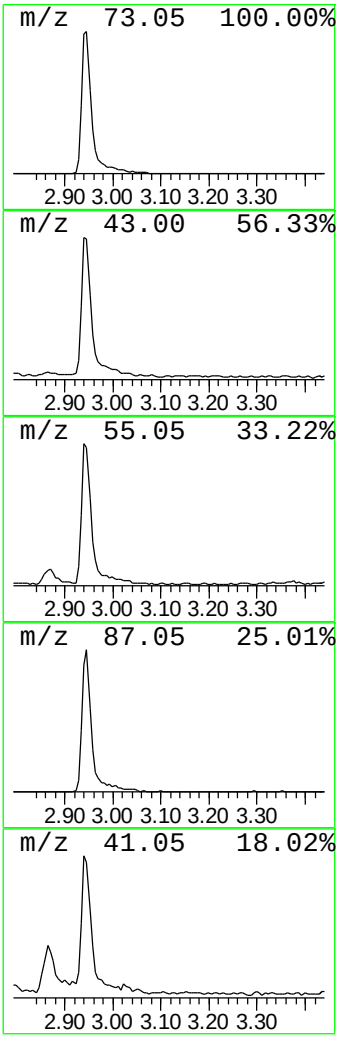
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	27.50 ng	407252	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	27
3	1-Propene-1-thiol	74	C3H6S	000925-89-3	25
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

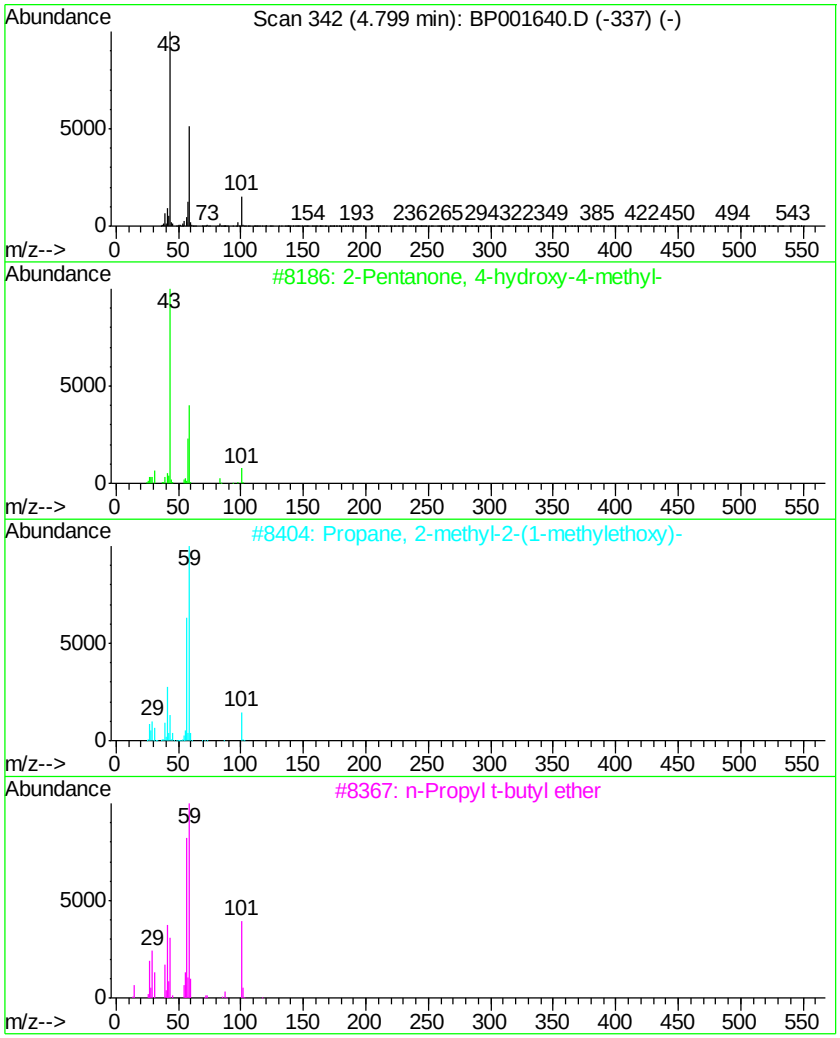
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

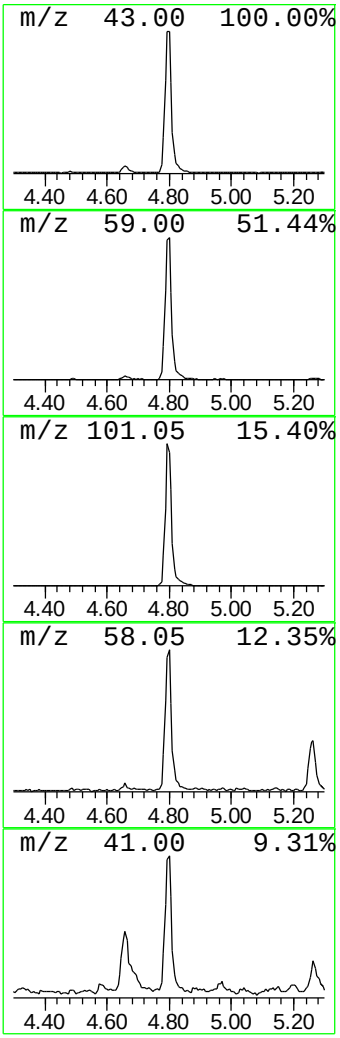
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	20.90 ng	309558	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

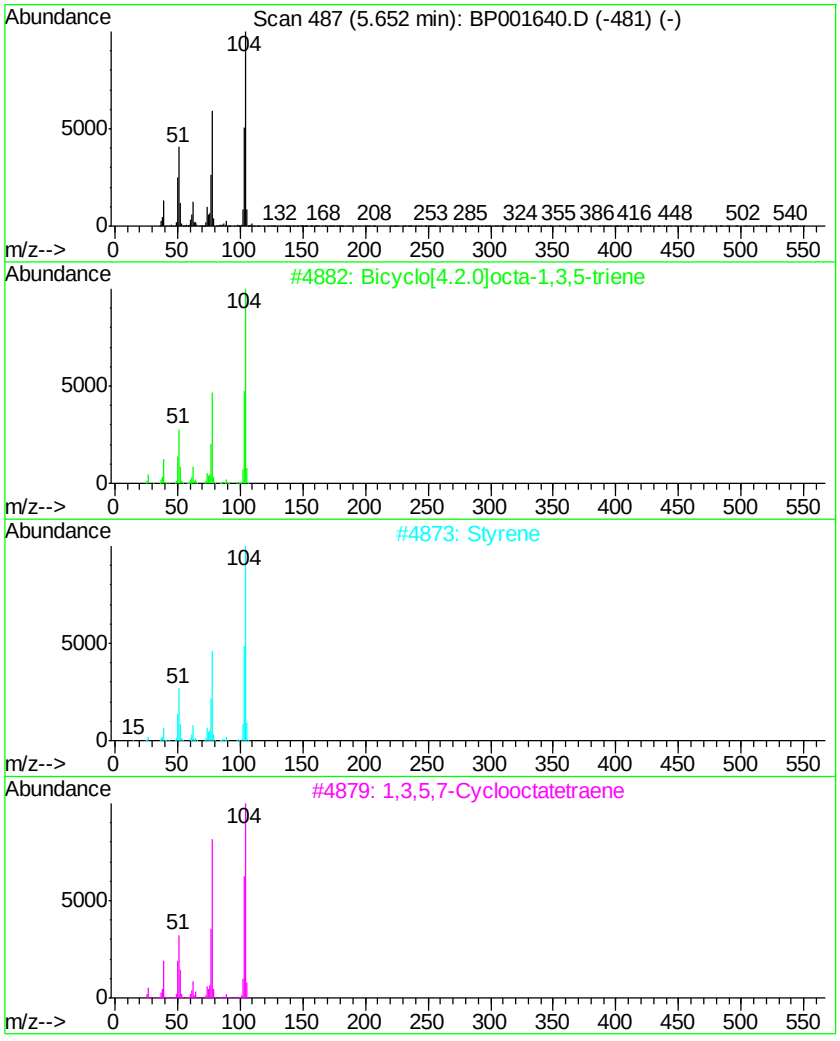
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

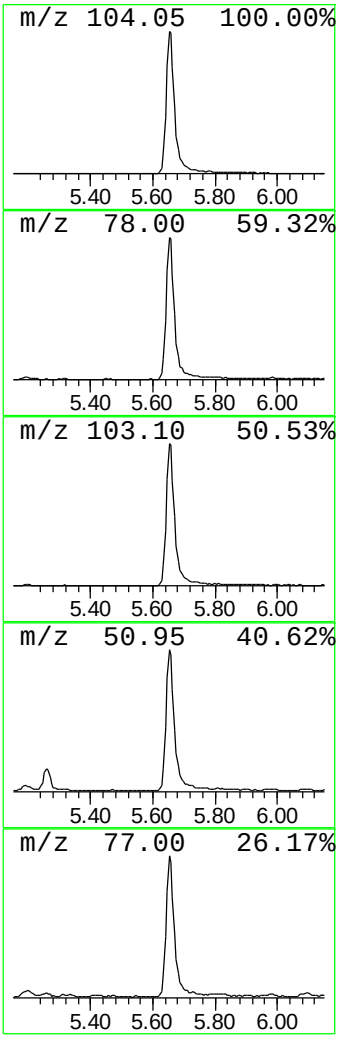
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	61.87 ng	916145	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	97
2	Styrene	104	C8H8	000100-42-5	97
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	95
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5	2,4-Hexadiyne	78	C6H6	002809-69-0	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

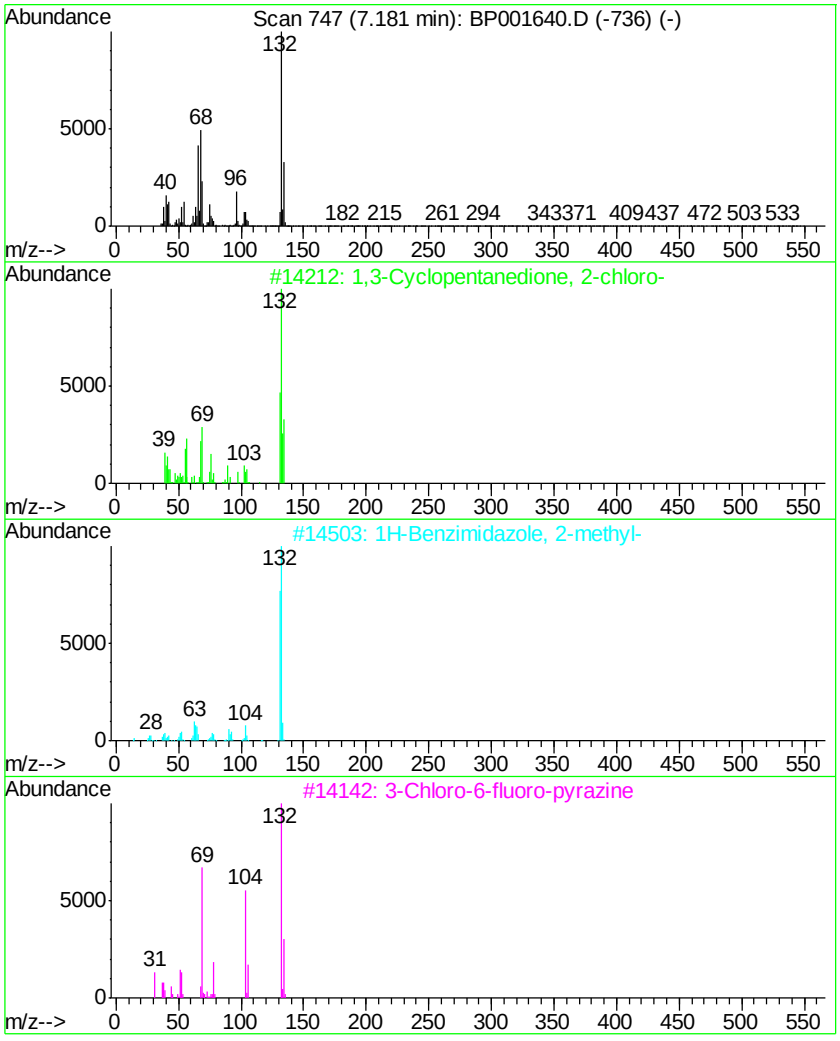
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

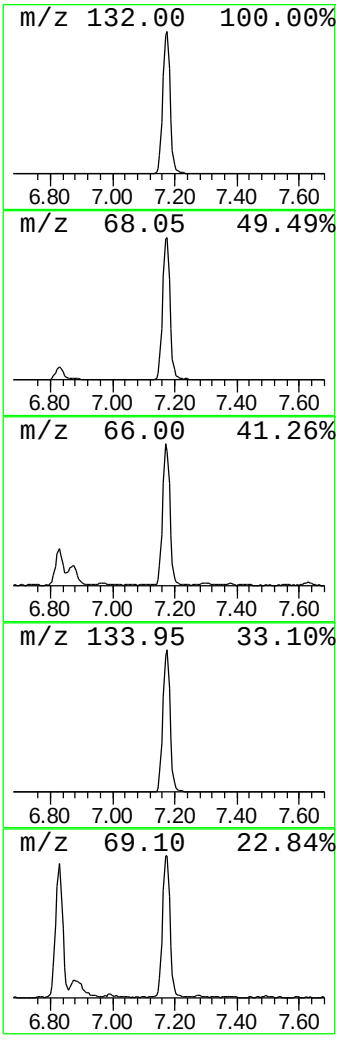
****

Peak Number 4 unknown7.18 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	70.26 ng	1040440	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	22
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

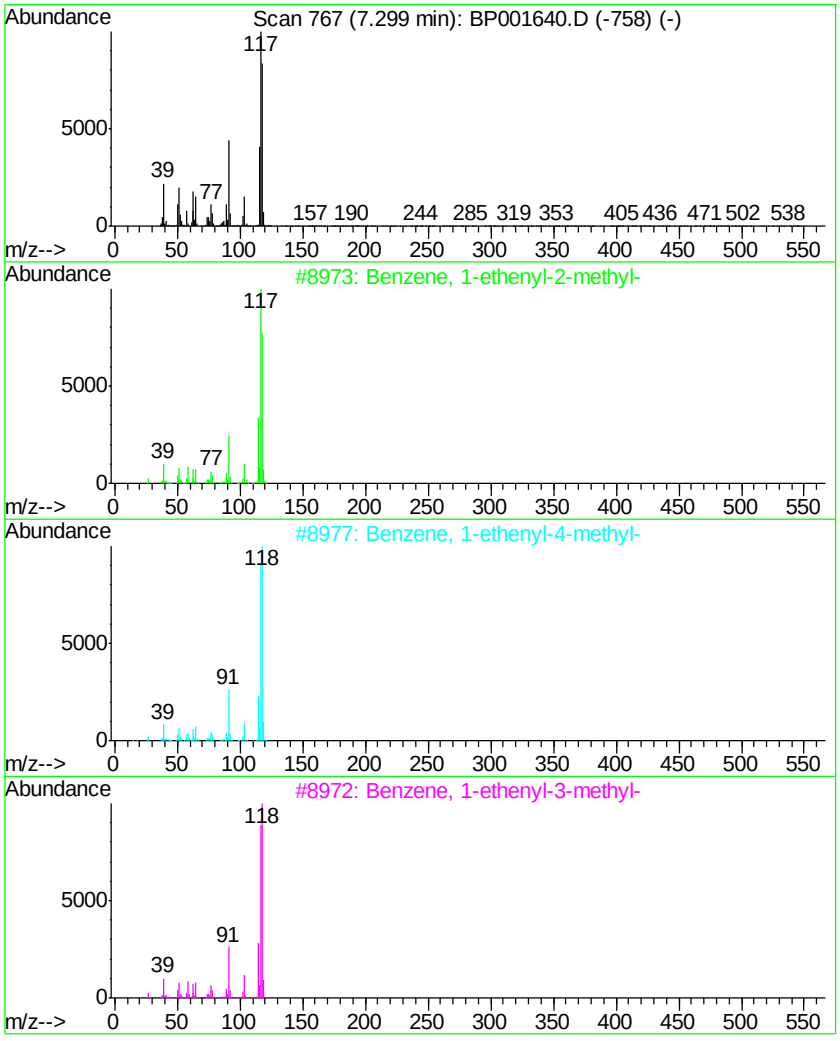
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

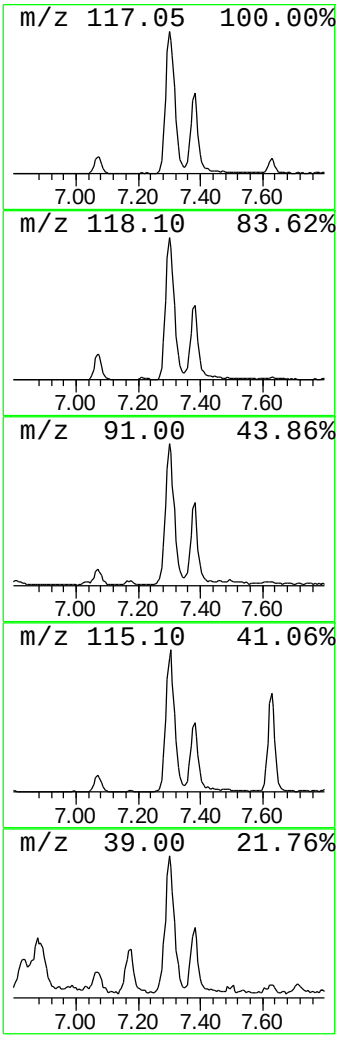
****

Peak Number 5 Benzene, 1-ethenyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	39.96 ng	591800	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

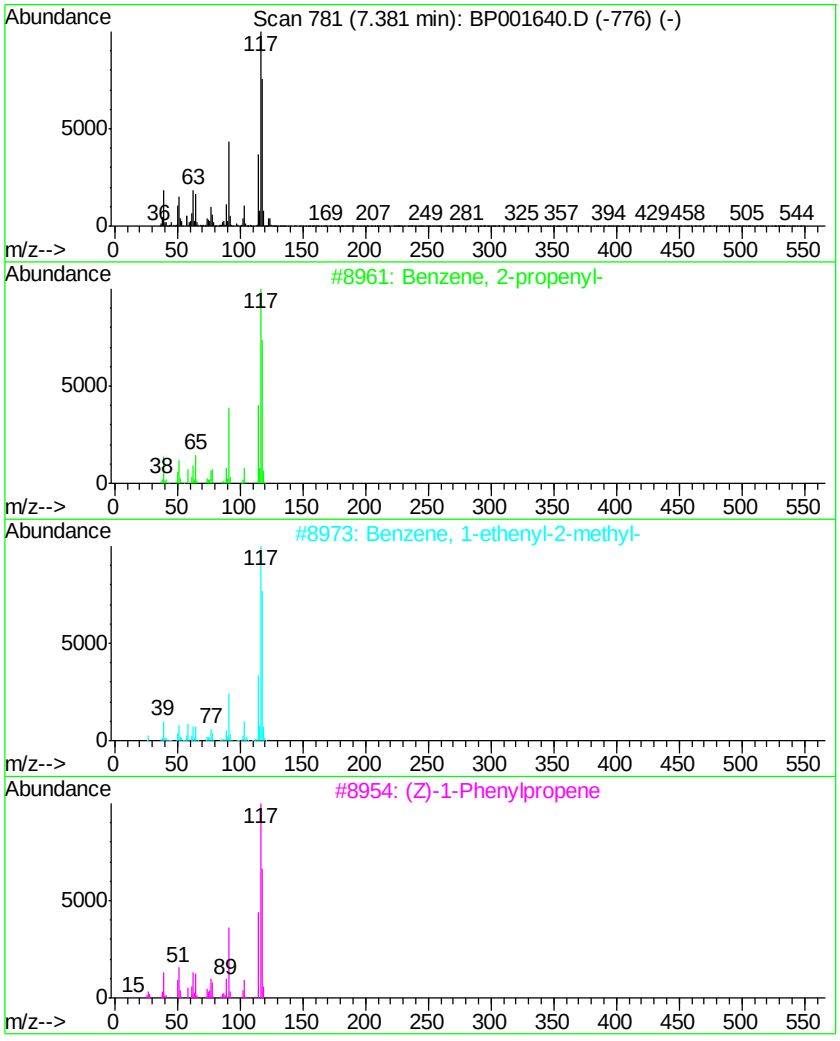
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

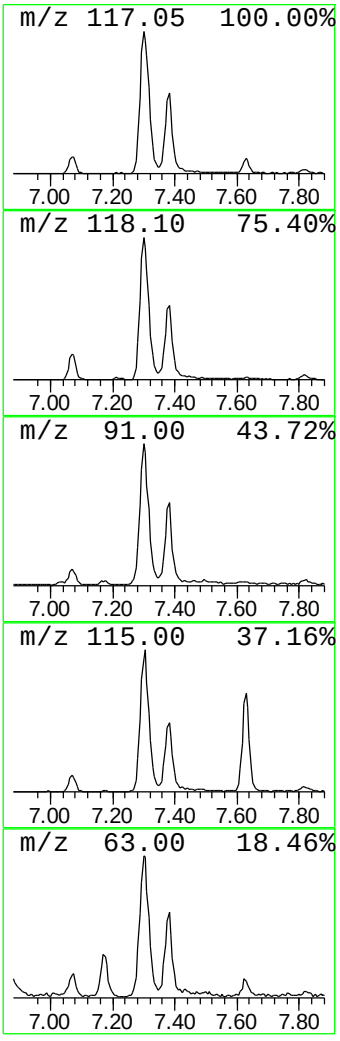
****

Peak Number 6 Benzene, 2-propenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	14.32 ng	212088	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

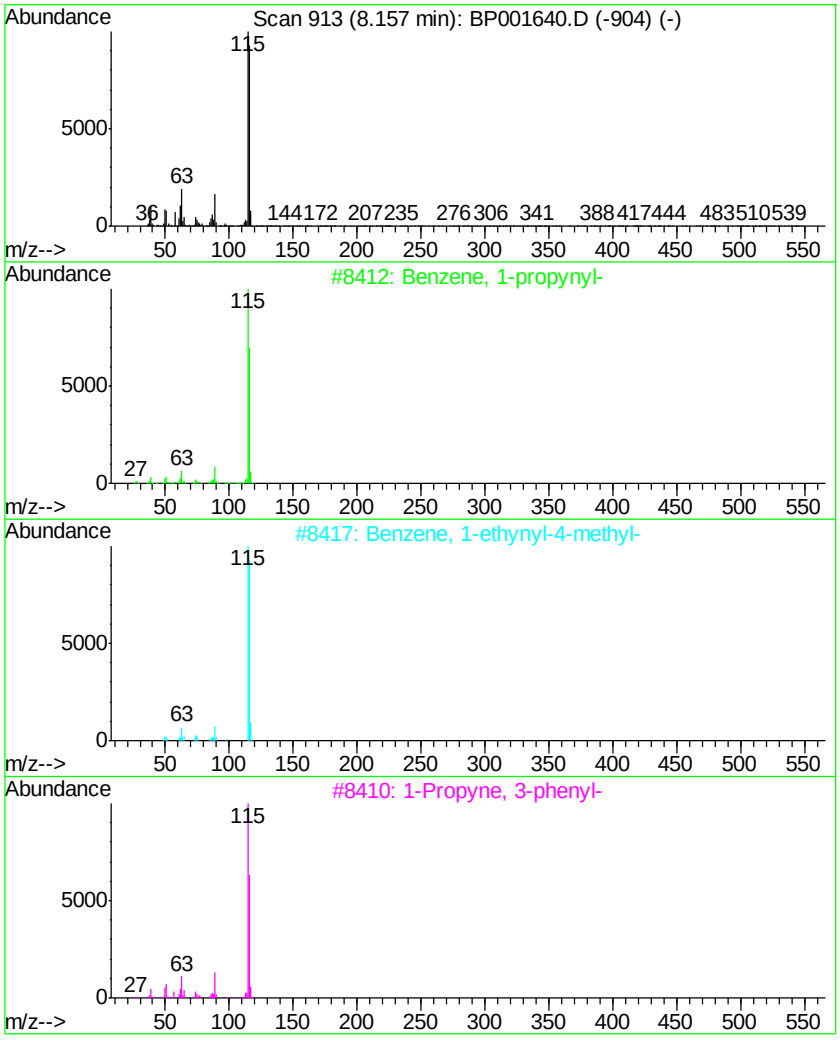
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

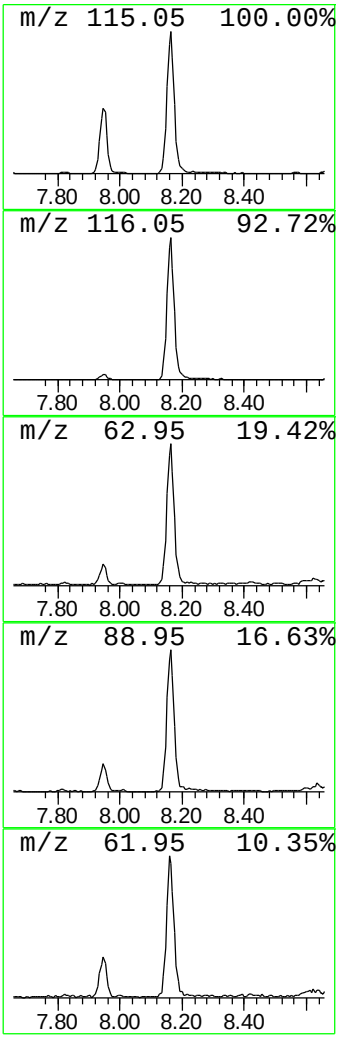
****

Peak Number 8 Benzene, 1-propynyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	41.48 ng	614312	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	Indene	116	C9H8	000095-13-6	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

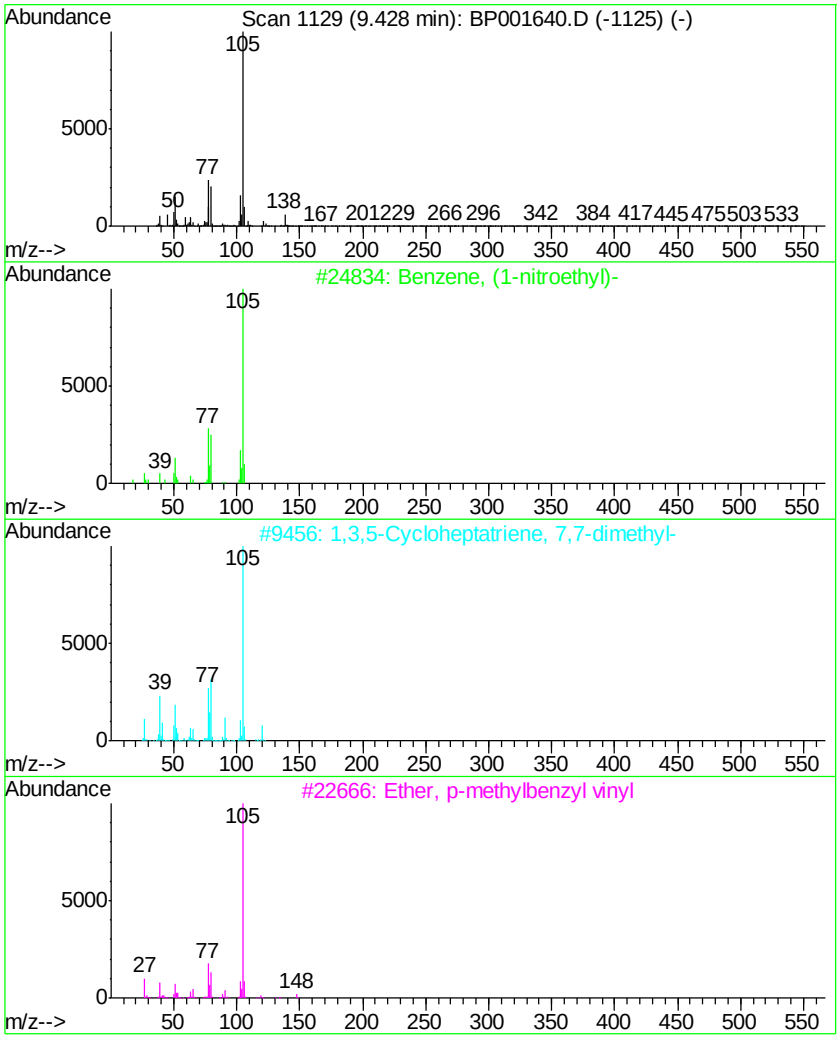
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

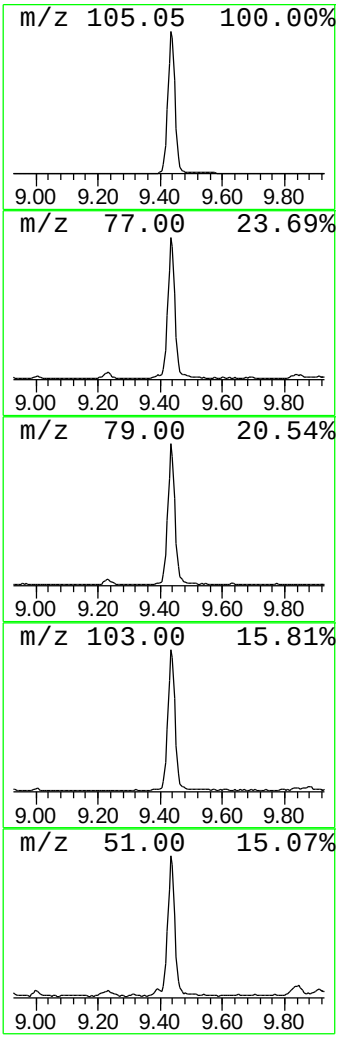
****

Peak Number 9 Benzene, (1-nitroethyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	64.31 ng	1199320	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	86
2	1,3,5-Cycloheptatriene, 7,7-dime...	120	C9H12	007557-11-1	78
3	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	78
4	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	72
5	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

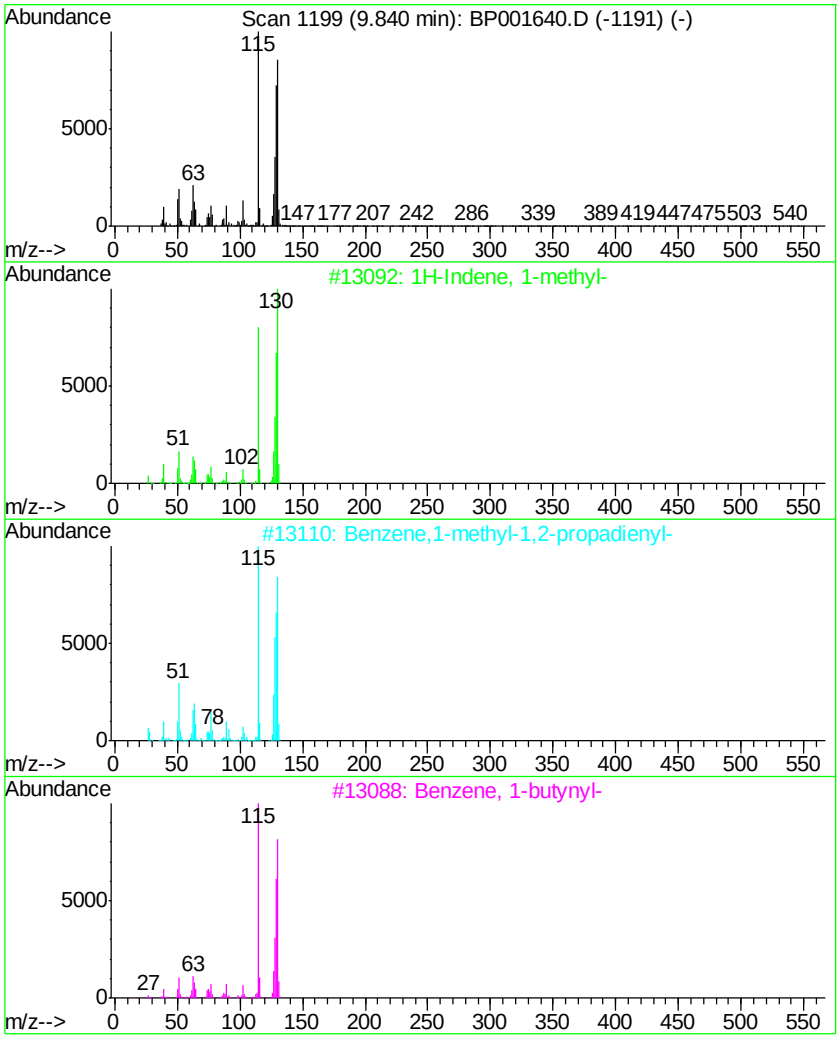
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

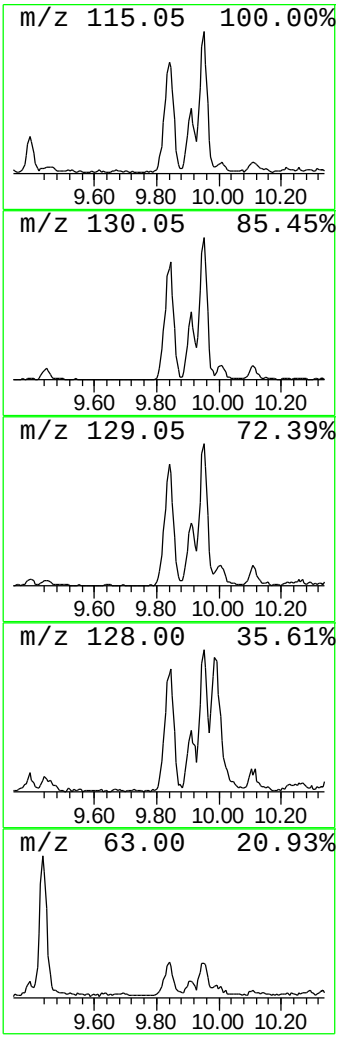
****

Peak Number 10 1H-Indene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	9.11 ng	169935	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
4	2-Methylindene	130	C10H10	002177-47-1	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

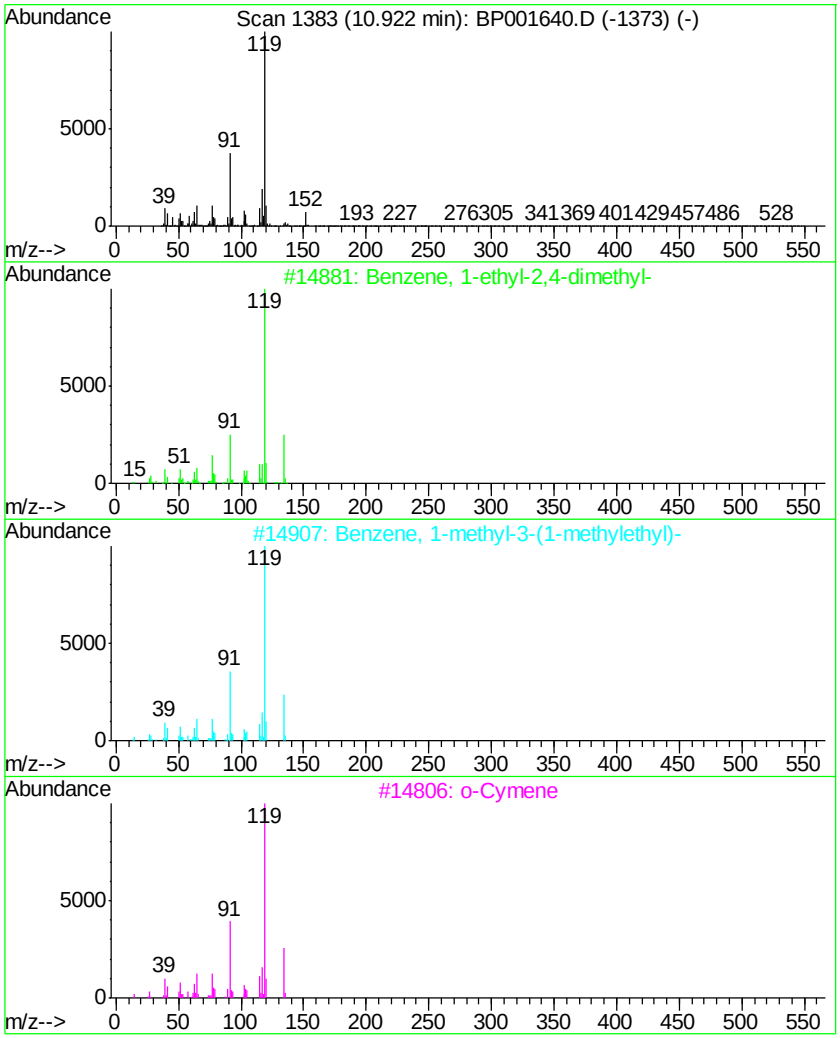
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

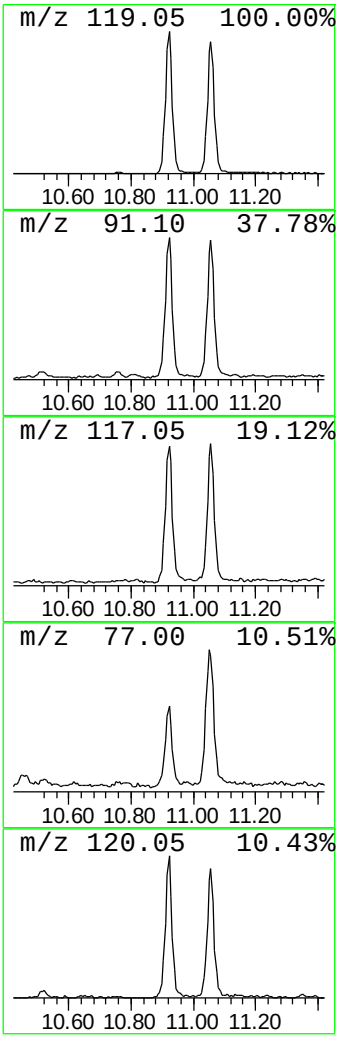
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	24.70 ng	460706	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
3	o-Cymene	134	C10H14	000527-84-4	80
4	p-Cymene	134	C10H14	000099-87-6	72
5	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

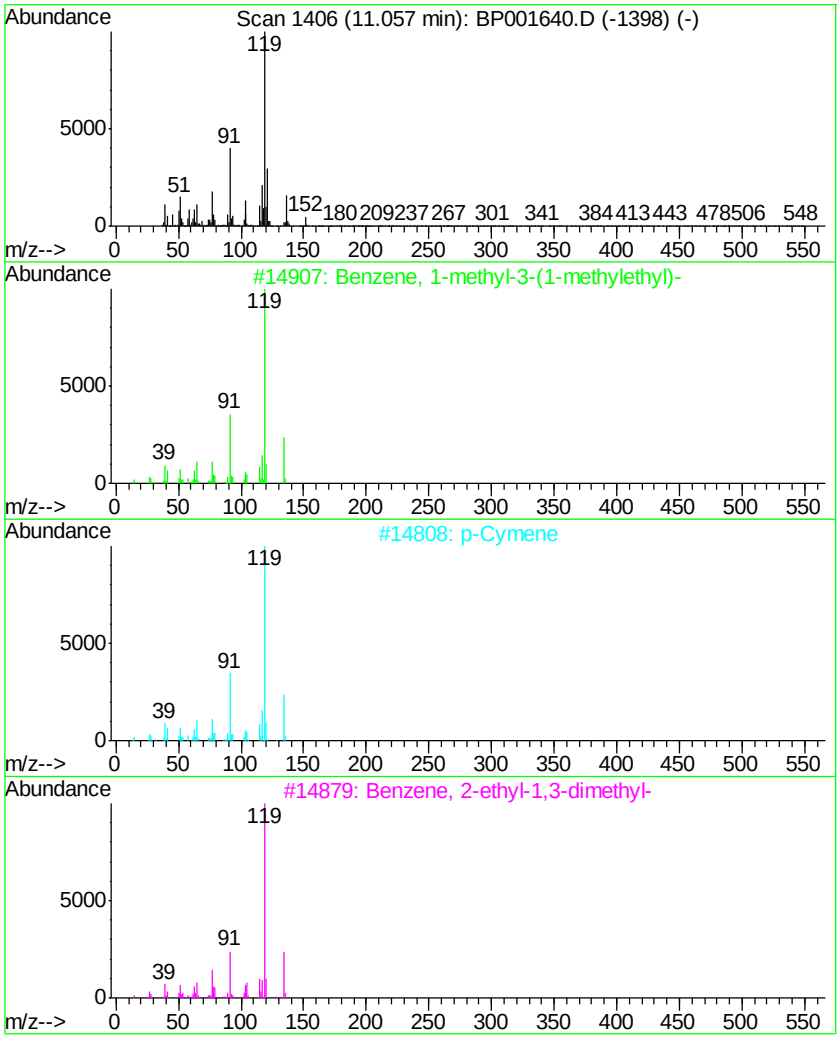
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

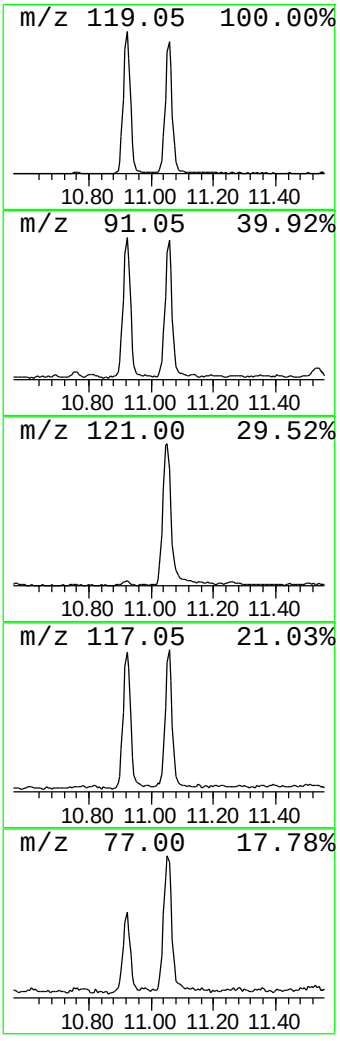
****

Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	32.11 ng	598799	Naphthalene-d8	10.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	p-Cymene	134	C10H14	000099-87-6	76
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
5	o-Cymene	134	C10H14	000527-84-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

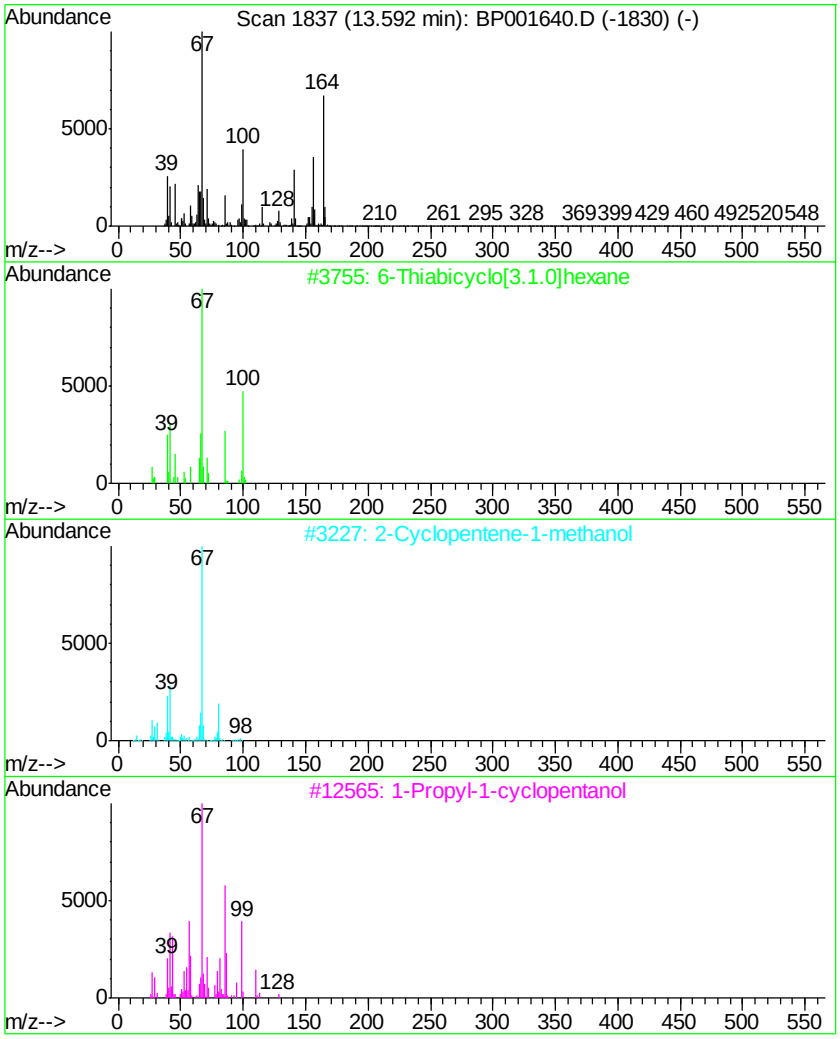
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

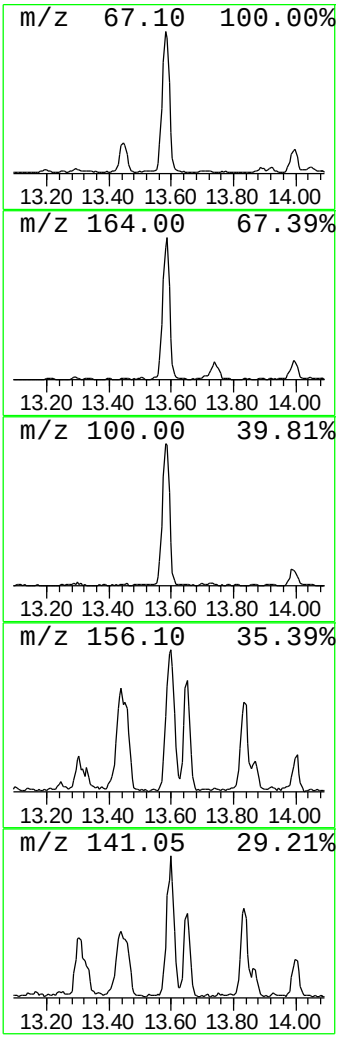
****

Peak Number 13 unknown13.59 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	16.56 ng	418699	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Thiabicyclo[3.1.0]hexane	100	C5H8S	000285-75-6	42
2	2-Cyclopentene-1-methanol	98	C6H10O	013668-59-2	14
3	1-Propyl-1-cyclopentanol	128	C8H16O	001604-02-0	12
4	1,3-Butadiene, 2-(bromomethyl)-	146	C5H7Br	023691-13-6	10
5	2,5-Methano-1H-indene, 2,3,3a,4,...	164	C11H16O	053075-08-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

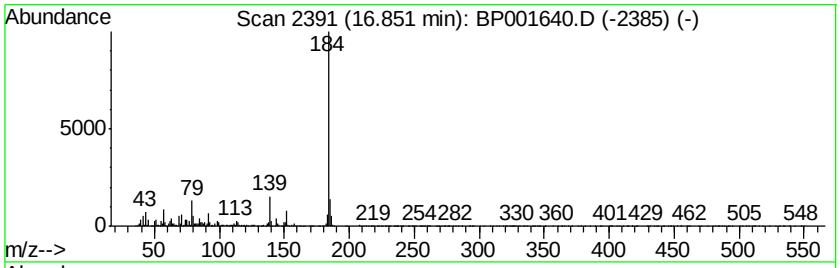
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

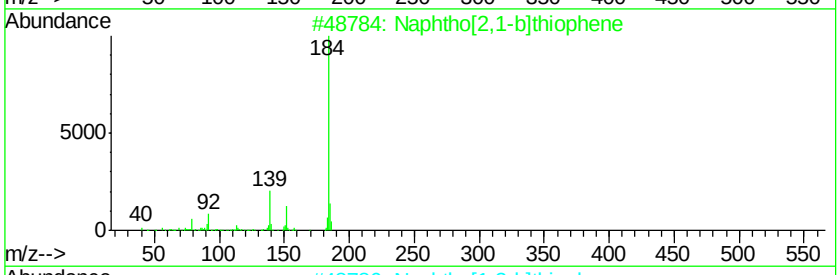
****

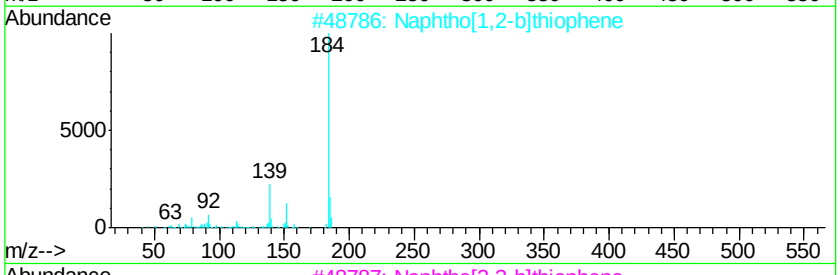
Peak Number 14 Naphtho[2,1-b]thiophene Concentration Rank 15

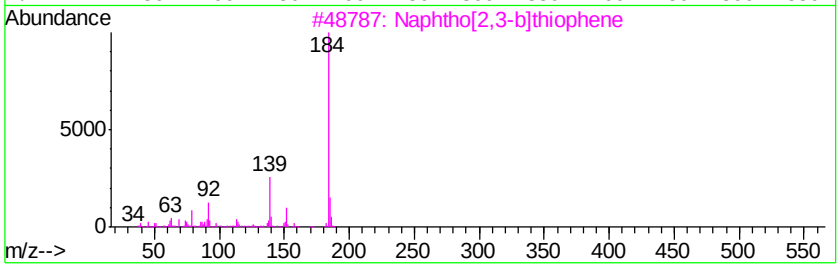
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	14.64 ng	415267	Phenanthrene-d10	17.04

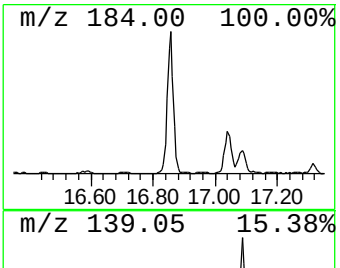
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87

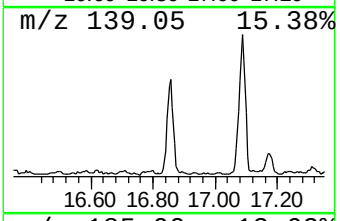


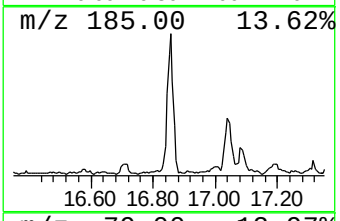


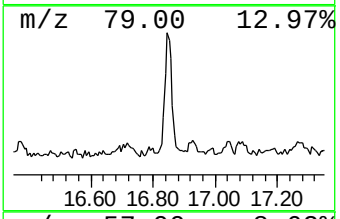


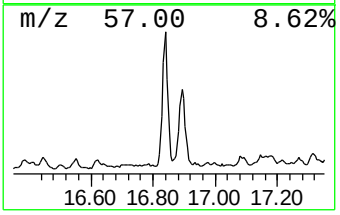












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

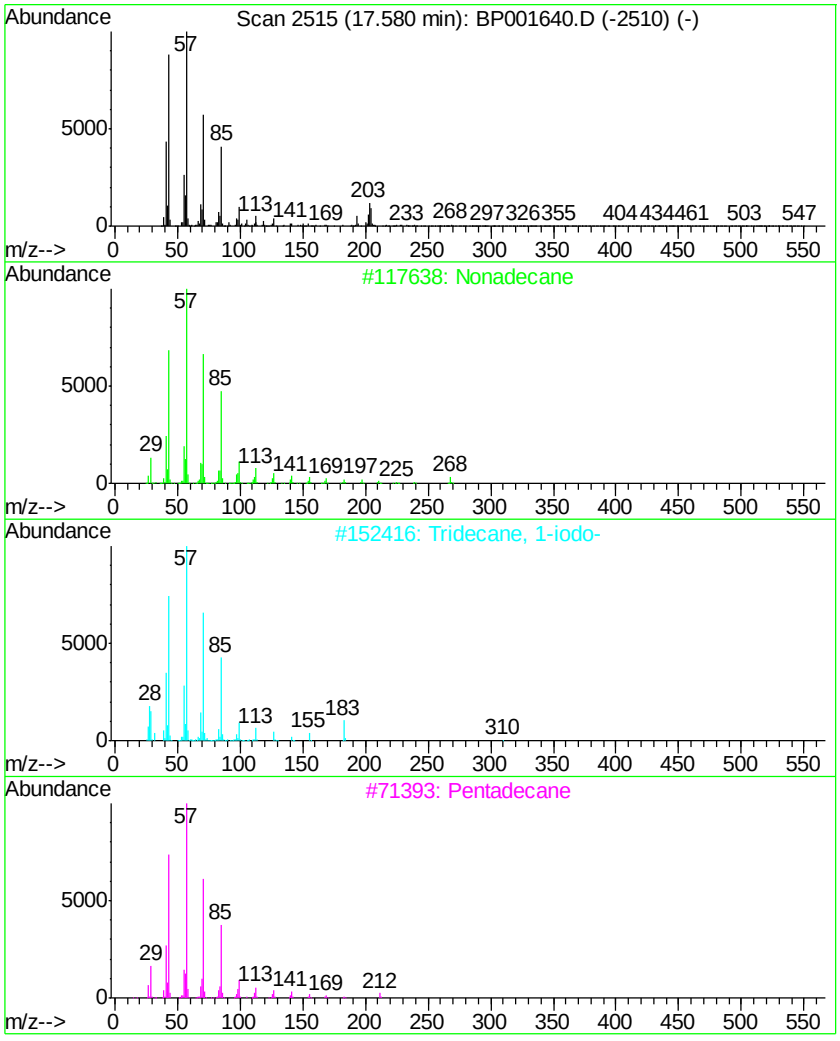
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

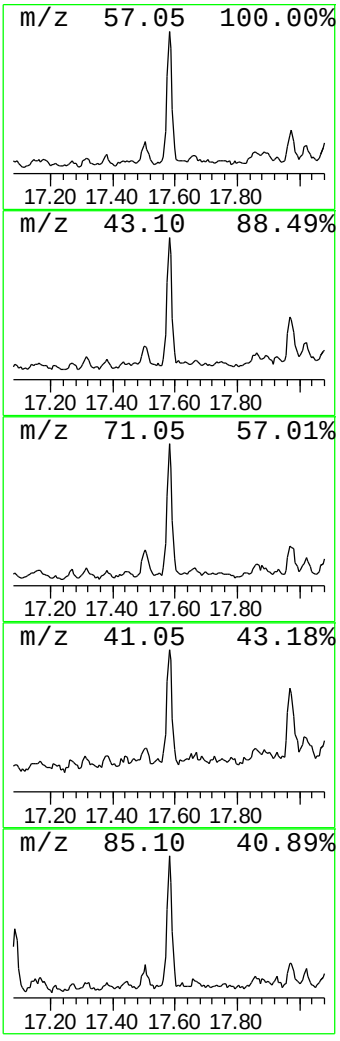
****

Peak Number 15 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	7.98 ng	226315	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	76
3	Pentadecane	212	C15H32	000629-62-9	64
4	Heptacosane	380	C27H56	000593-49-7	64
5	Docosane	310	C22H46	000629-97-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

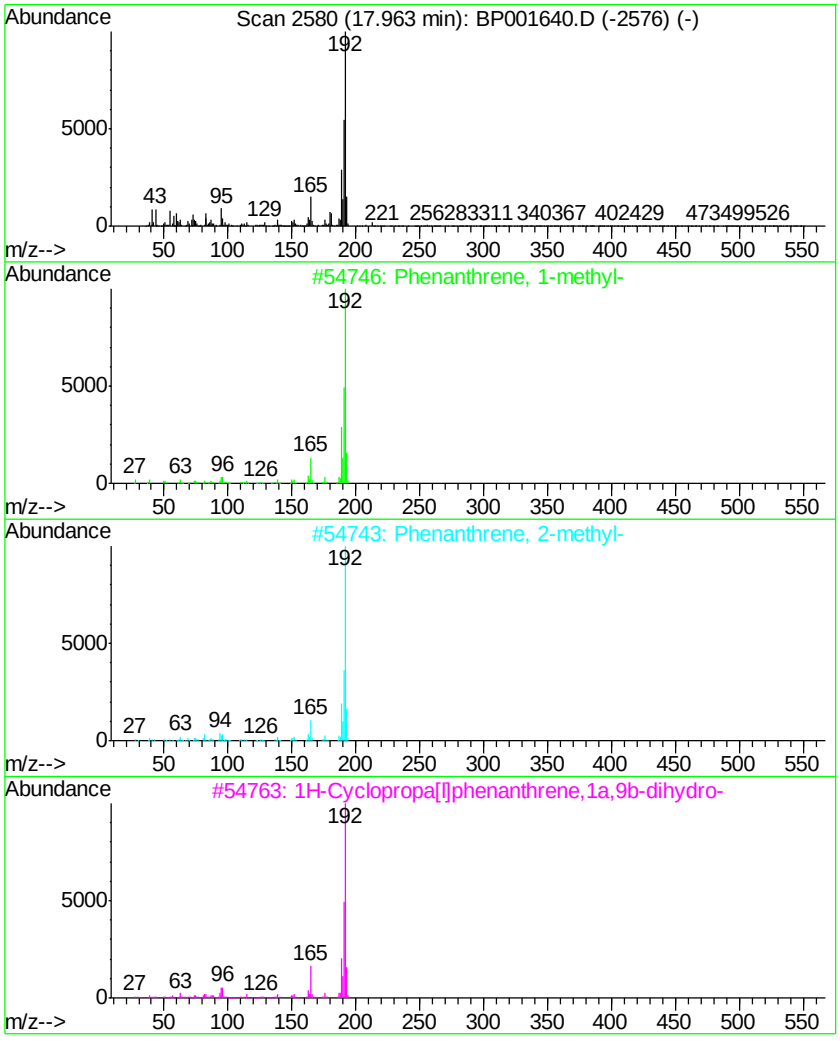
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

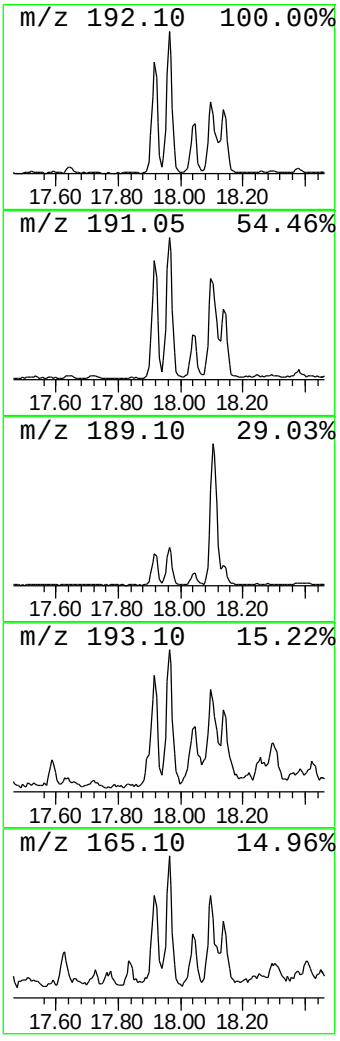
****

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	15.28 ng	433618	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

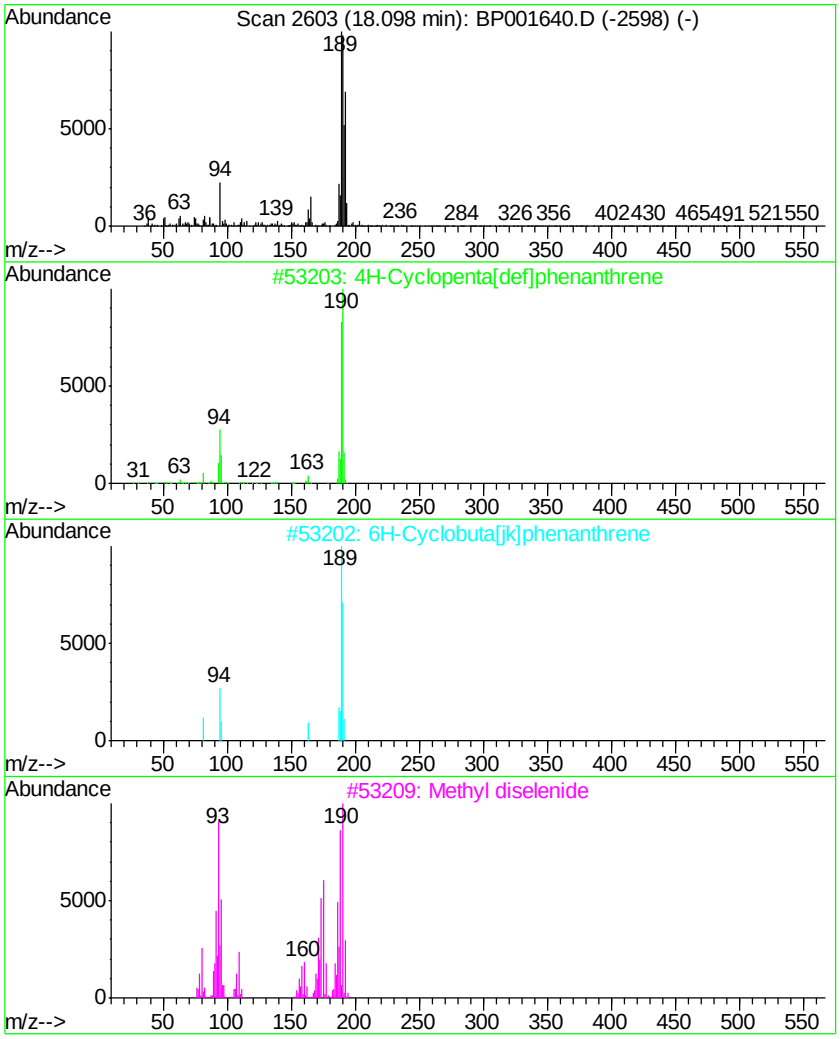
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

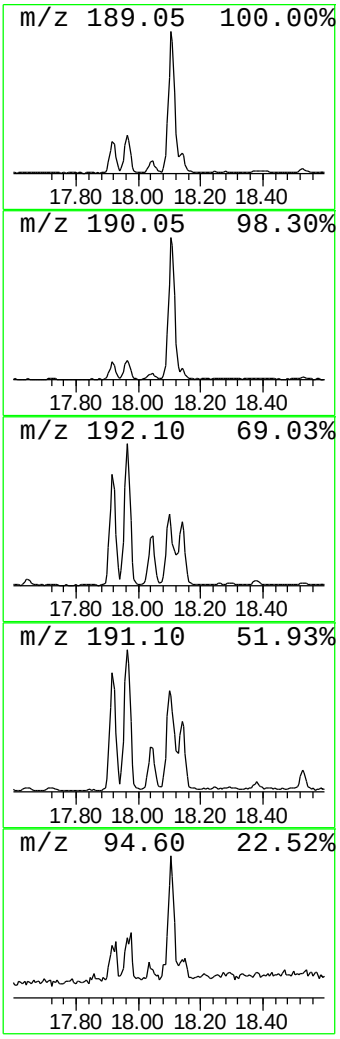
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	20.64 ng	585430	Phenanthrene-d10	17.04

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	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

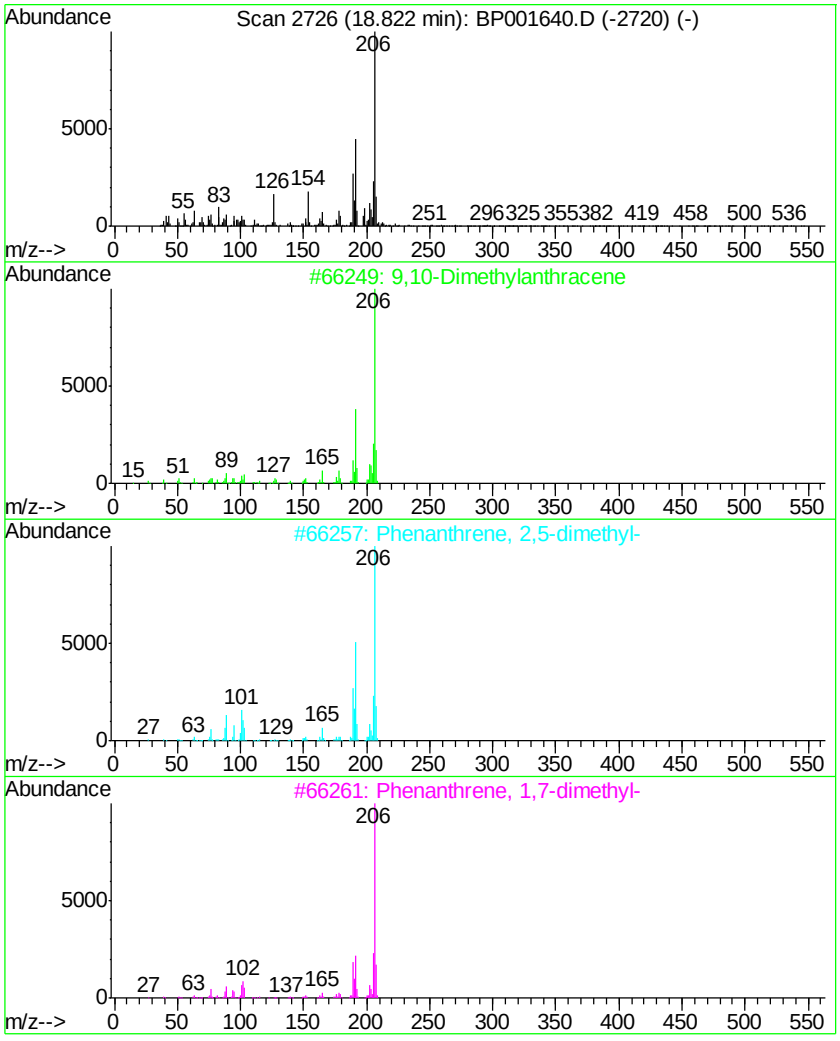
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

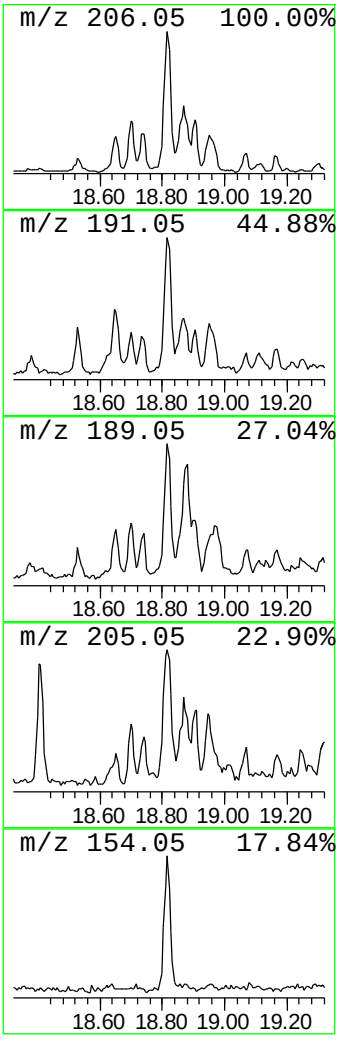
****

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	10.19 ng	288985	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

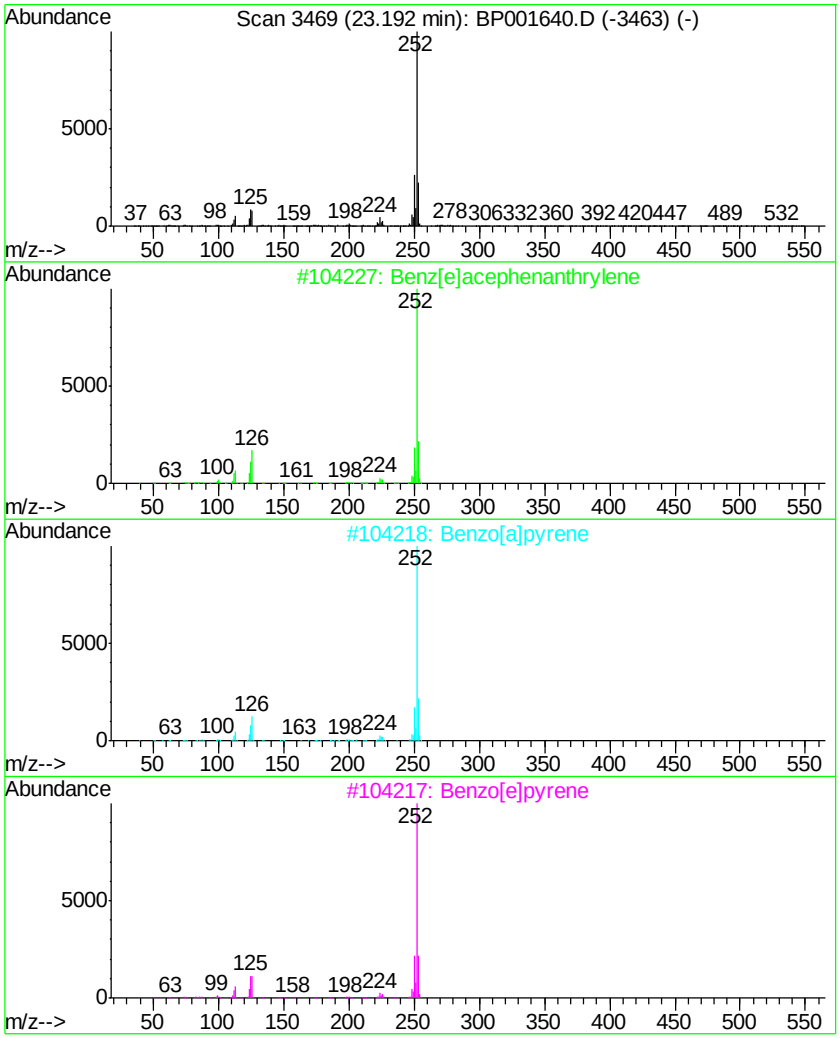
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

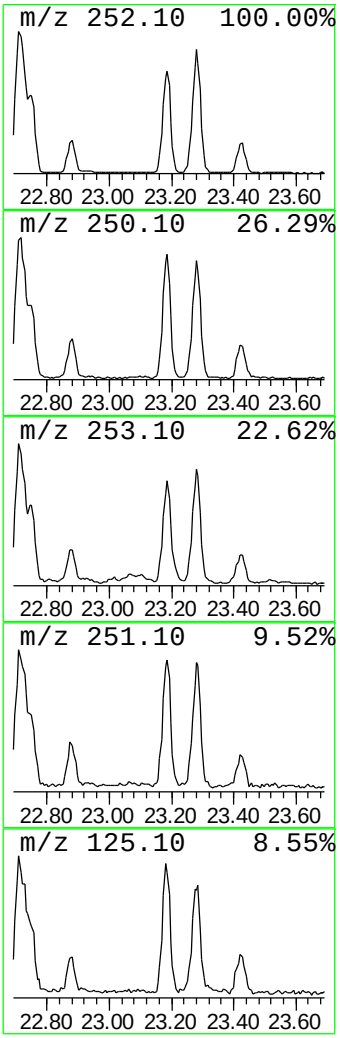
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	22.42 ng	532527	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

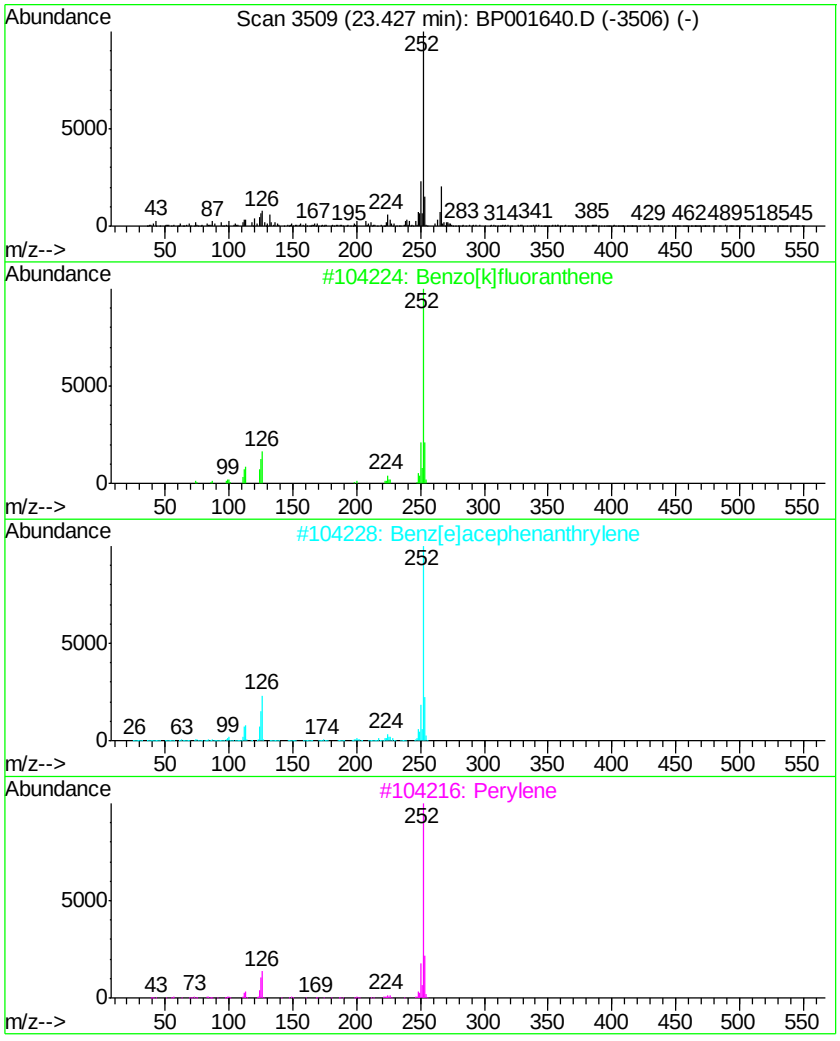
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

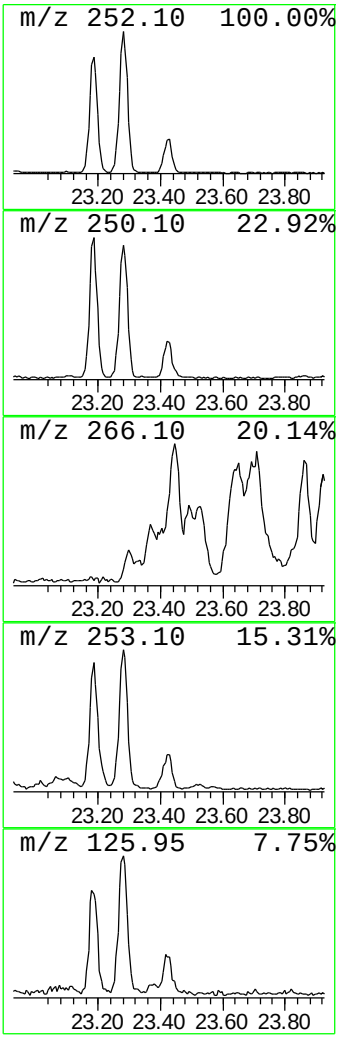
****

Peak Number 20 Perylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	8.16 ng	193787	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	58
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	50
3	Perylene	252	C20H12	000198-55-0	50
4	Benzo[e]pyrene	252	C20H12	000192-97-2	50
5	Benzo[a]pyrene	252	C20H12	000050-32-8	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP011620\
Data File : BP001640.D
Acq On : 16 Jan 2020 22:04
Operator : JU
Sample : L1148-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SB-27-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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...	2.94	27.5	ng	407252	1	7.63	296172	20.0
2-Pentanone, 4-hy...	4.80	20.9	ng	309558	1	7.63	296172	20.0
Bicyclo[4.2.0]oct...	5.65	61.9	ng	916145	1	7.63	296172	20.0
unknown7.18	7.18	70.3	ng	1040440	1	7.63	296172	20.0
Benzene, 1-etheny...	7.30	40.0	ng	591800	1	7.63	296172	20.0
Benzene, 2-propenyl-	7.38	14.3	ng	212088	1	7.63	296172	20.0
Benzene, 1-propynyl-	8.16	41.5	ng	614312	1	7.63	296172	20.0
Benzene, (1-nitro...	9.43	64.3	ng	1199320	2	10.40	372982	20.0
1H-Indene, 1-methyl-	9.84	9.1	ng	169935	2	10.40	372982	20.0
Benzene, 1-ethyl-...	10.92	24.7	ng	460706	2	10.40	372982	20.0
Benzene, 1-methyl...	11.06	32.1	ng	598799	2	10.40	372982	20.0
unknown13.59	13.59	16.6	ng	418699	3	14.28	505723	20.0
Naphtho[2,1-b]thi...	16.85	14.6	ng	415267	4	17.04	567399	20.0
Nonadecane	17.58	8.0	ng	226315	4	17.04	567399	20.0
Phenanthrene, 1-m...	17.96	15.3	ng	433618	4	17.04	567399	20.0
4H-Cyclopenta[def...	18.10	20.6	ng	585430	4	17.04	567399	20.0
9,10-Dimethylanth...	18.82	10.2	ng	288985	4	17.04	567399	20.0
Benzo[e]pyrene	23.19	22.4	ng	532527	6	23.37	475064	20.0
Perylene	23.43	8.2	ng	193787	6	23.37	475064	20.0