LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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	2.870	9	14	24	rVV3	32431	68673	3.61%	0.256%
2	2.952	24	28	41	rVB	213733	245818	12.93%	0.916%
3	4.799	337	342	353	rVB	148446	205547	10.81%	0.766%
4	5.264	414	421	428	rBV	609557	900479	47.38%	3.357%
5	6.828	677	687	702	rVB	653269	1061168	55.83%	3.956%
6	7.175	737	746	760	rVB	644530	998802	52.55%	3.724%
7	7.281	760	764	771	rVB3	34679	53413	2.81%	0.199%
8	7.634	817	824	831	rBV	205322	316820	16.67%	1.181%
9	7.952	866	878	884	rBV	504308	802723	42.24%	2.993%
10	8.187	910	918	924	rVB5	23359	47170	2.48%	0.176%
11	8.781	1003	1019	1026	rBV	398814	717254	37.74%	2.674%
12	8.875	1031	1035	1044	rVB	107270	162006	8.52%	0.604%
13	8.993	1044	1055	1062	rVB9	22057	72566	3.82%	0.271%
14	9.705	1172	1176	1184	rVB4	19971	41615	2.19%	0.155%
15	9.793	1185	1191	1193	rBV2	28159	43471	2.29%	0.162%
16	9.875	1200	1205	1213	rVB2	31330	67632	3.56%	0.252%
17	9.975	1217	1222	1226	rBV2	26934	43040	2.26%	0.160%
18	10.410	1287	1296	1303	rVV2	377880	689655	36.29%	2.571%
19	10.610	1324	1330	1333	rBV	72437	108079	5.69%	0.403%
20	10.834	1363	1368	1372	rVV6	18608	38587	2.03%	0.144%
21	11.134	1416	1419	1423	rVB3	34029	47131	2.48%	0.176%
22	11.275	1439	1443	1448	rBV5	30618	51379	2.70%	0.192%
23	11.363	1454	1458	1464	rVB2	38075	60312	3.17%	0.225%
24	11.469	1470	1476	1482	rBV2	103616	206748	10.88%	0.771%
25	11.610	1495	1500	1505	rVB3	41293	64700	3.40%	0.241%
26	11.722	1515	1519	1527	rVB5	24637	48943	2.58%	0.182%
27	11.875	1536	1545	1552	rBV	292466	474387	24.96%	1.769%
28	11.969	1556	1561	1565	rVV5	29445	50013	2.63%	0.186%
29	12.346	1620	1625	1630	rVB5	51563	93226	4.91%	0.348%
30	12.475	1643	1647	1651	rBV5	20813	41304	2.17%	0.154%
31	12.522	1651	1655	1658	rVV	30844	45711	2.41%	0.170%
32	12.563	1658	1662	1666	rVV2	33946	52265	2.75%	0.195%
33	12.699	1681	1685	1692	rVB	49692	81358	4.28%	0.303%
34	12.787	1695	1700	1704	rVV4	47475	77454	4.08%	0.289%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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	12.840	1704	1709	1713	rVV	103140	163240	8.59%	0.609%
36	12.899	1713	1719	1729	rVB	844822	1240443	65.27%	4.625%
37	13.134	1750	1759	1766	rBV	305260	480435	25.28%	1.791%
38	13.222	1770	1774	1780	rVB2	51438	79147	4.16%	0.295%
39	13.446	1807	1812	1816	rBV6	26678	50884	2.68%	0.190%
40	13.657	1843	1848	1854	rBV5	41517	76406	4.02%	0.285%
41	13.710	1854	1857	1860	rVV2	37648	48033	2.53%	0.179%
42	13.746	1860	1863	1866	rVV	80950	112173	5.90%	0.418%
43	13.798	1869	1872	1876	rVV3	102693	156249	8.22%	0.583%
44	13.840	1876	1879	1888	rVB6	50639	104537	5.50%	0.390%
45	14.216	1938	1943	1948	rBV	244141	323543	17.02%	1.206%
46	14.281	1948	1954	1960	rVV	337310	514610	27.08%	1.919%
47	14.345	1960	1965	1968	rVV	36421	49883	2.62%	0.186%
48	14.681	2016	2022	2027	rBV4	39393	80064	4.21%	0.299%
49	14.845	2046	2050	2056	rVB3	51032	77820	4.09%	0.290%
50	14.916	2057	2062	2065	rBV2	29724	43007	2.26%	0.160%
51	15.181	2102	2107	2111	rVB	167708	203095	10.69%	0.757%
52	15.340	2129	2134	2140	rVB	51031	72077	3.79%	0.269%
53	15.592	2169	2177	2181	rBV2	52493	99711	5.25%	0.372%
54	15.781	2203	2209	2219	rVB	772370	1089941	57.35%	4.064%
55	16.045	2250	2254	2257	rBV	107536	134221	7.06%	0.500%
56	16.075	2257	2259	2263	rVB	47089	49969	2.63%	0.186%
57	16.798	2376	2382	2386	rBV5	19091	38909	2.05%	0.145%
58	16.845	2386	2390	2396	rVV2	78826	129475	6.81%	0.483%
59	16.898	2396	2399	2411	rVB	30206	50158	2.64%	0.187%
60	17.045	2418	2424	2427	rBV	401444	571424	30.07%	2.130%
61	17.087	2427	2431	2437	rVV	472449	629913	33.14%	2.349%
62	17.175	2439	2446	2452	rVB	109757	162199	8.53%	0.605%
63	17.587	2511	2516	2520	rBV2	52032	67400	3.55%	0.251%
64	17.757	2540	2545	2555	rVB	370677	428522	22.55%	1.598%
65	17.922	2568	2573	2577	rBV	48332	71341	3.75%	0.266%
66	17.969	2577	2581	2588	rVV2	118864	182275	9.59%	0.680%
67	18.045	2588	2594	2598	rVV2	32465	51410	2.70%	0.192%
68	18.104	2599	2604	2608	rVV2	96435	171238	9.01%	0.638%
69	18.139	2608	2610	2619	rVB	46731	67939	3.57%	0.253%
70	18.263	2627	2631	2636	rBV2	43633	55544	2.92%	0.207%
71	18.410	2652	2656	2659	rBV	41232	53620	2.82%	0.200%

LSC Area Percent Report

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Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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	18.816	2721	2725	2729	rBV	40418	62997	3.31%	0.235%
73	18.869	2729	2734	2736	rVV	954496	1182790	62.23%	4.410%
74	18.898	2736	2739	2750	rVB2	1126274	1414751	74.44%	5.275%
75	19.028	2757	2761	2764	rBV	149437	160988	8.47%	0.600%
76	19.069	2764	2768	2776	rVB	669936	812353	42.74%	3.029%
77	19.304	2805	2808	2812	rVB	30777	38672	2.03%	0.144%
78	19.422	2819	2828	2836	rBV	563054	946590	49.80%	3.529%
79	19.498	2837	2841	2849	rVB3	28769	58009	3.05%	0.216%
80	19.633	2859	2864	2874	rVB	1537619	1900602	100.00%	7.086%
81	19.745	2877	2883	2889	rBV3	38010	98419	5.18%	0.367%
82	19.910	2907	2911	2916	rVB	100376	132367	6.96%	0.494%
83	19.963	2917	2920	2922	rVV2	41298	44967	2.37%	0.168%
84	20.004	2924	2927	2931	rVB	85955	112202	5.90%	0.418%
85	20.063	2932	2937	2940	rBV3	54400	82686	4.35%	0.308%
86	20.198	2957	2960	2964	rVB	34467	40793	2.15%	0.152%
87	20.245	2964	2968	2973	rBV3	41912	75430	3.97%	0.281%
88	20.451	2999	3003	3006	rBV	49798	59199	3.11%	0.221%
89	20.839	3066	3069	3072	rBV2	39395	40978	2.16%	0.153%
90	20.898	3072	3079	3089	rVV5	182348	338976	17.84%	1.264%
91	21.145	3115	3121	3125	rBV2	566926	1060986	55.82%	3.956%
92	21.180	3125	3127	3137	rVB	270401	350292	18.43%	1.306%
93	21.298	3144	3147	3150	rBV2	37531	43575	2.29%	0.162%
94	21.333	3150	3153	3158	rVB2	62287	68267	3.59%	0.255%
95	22.239	3304	3307	3311	rVB	72607	87377	4.60%	0.326%
96	22.716	3383	3388	3391	rBV	182771	351985	18.52%	1.312%
97	23.186	3464	3468	3476	rVB	122921	216527	11.39%	0.807%
98	23.280	3480	3484	3489	rBV	152477	264619	13.92%	0.987%
99	23.380	3496	3501	3507	rVB	273412	462030	24.31%	1.723%
100	25.633	3880	3884	3893	rVB3	95439	251982	13.26%	0.939%

Sum of corrected areas: 26821713

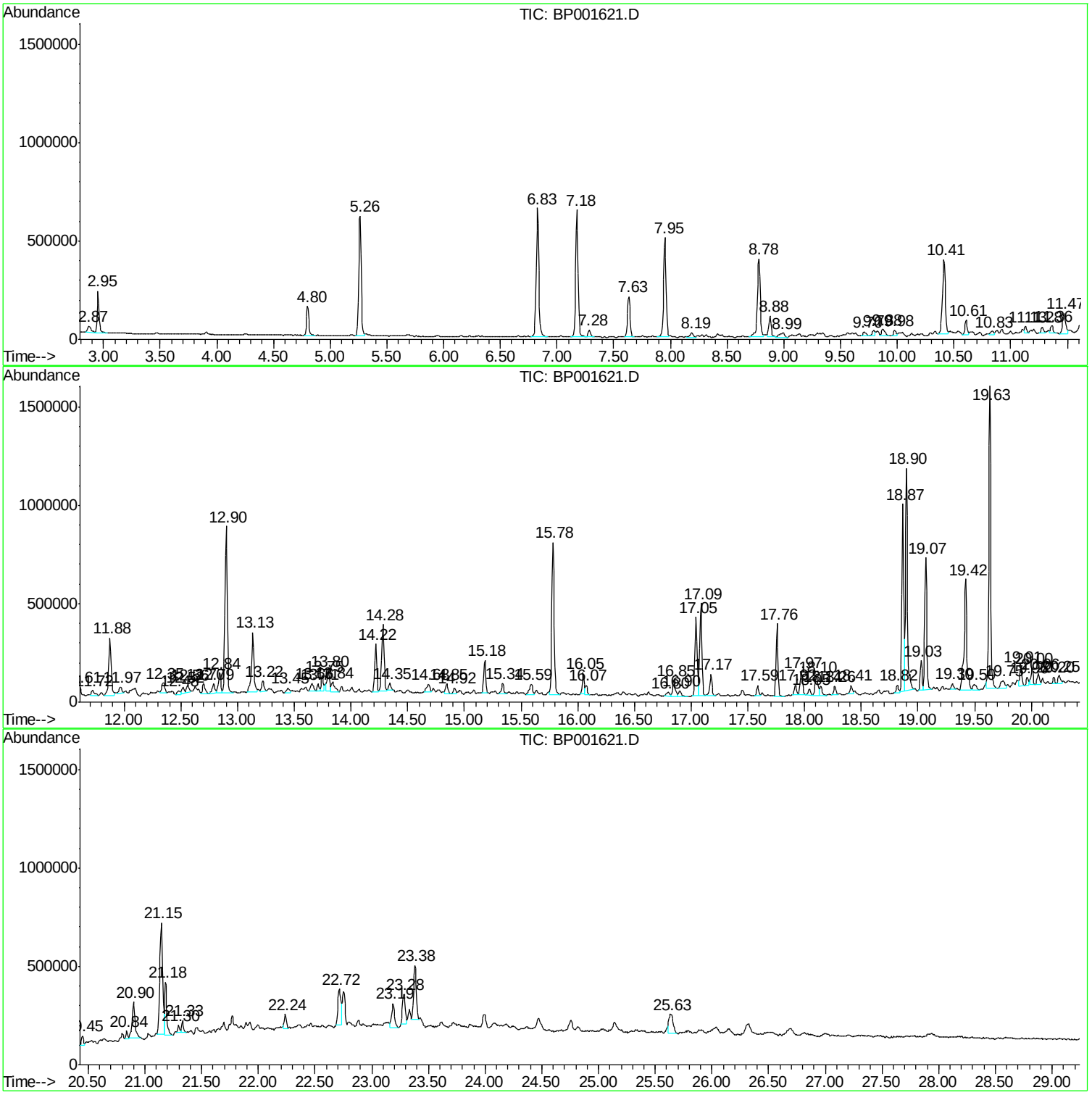
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

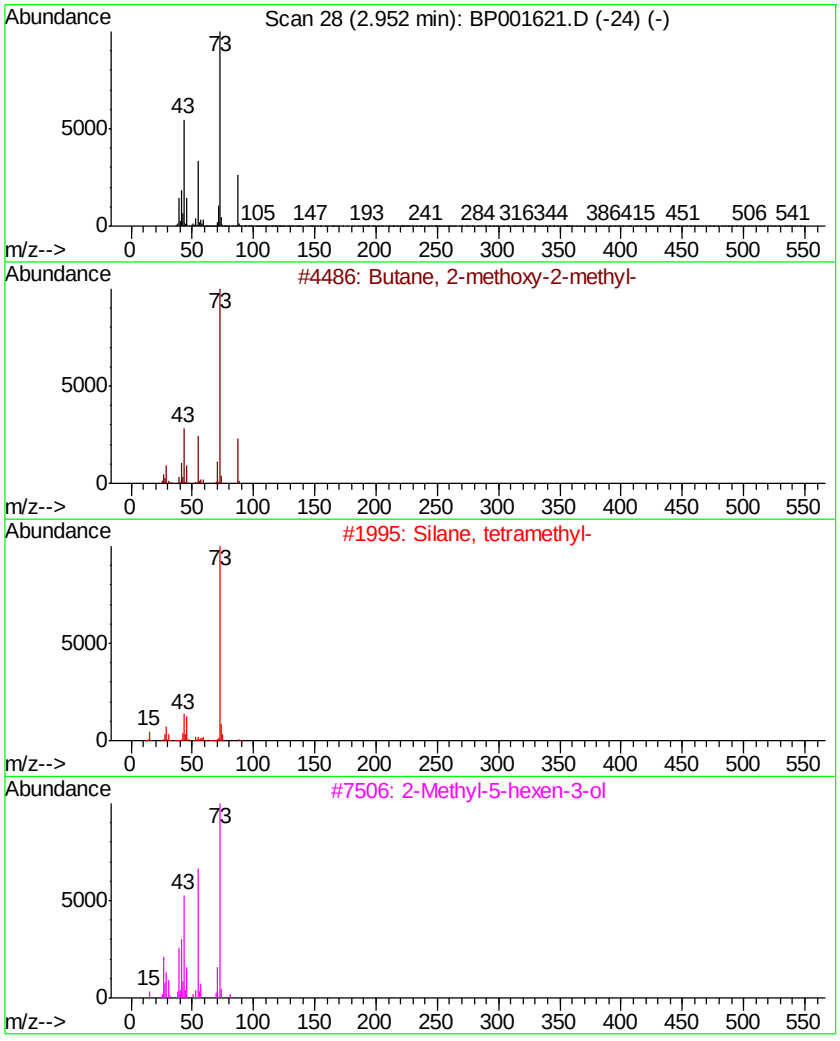
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

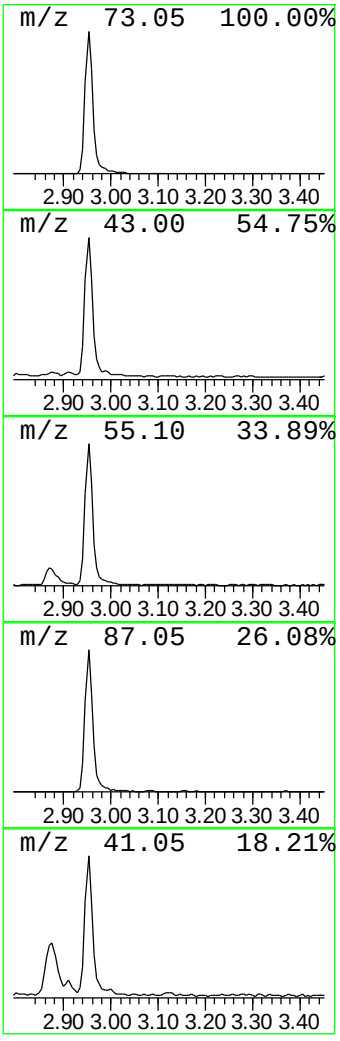
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	15.52 ng	245818	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	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

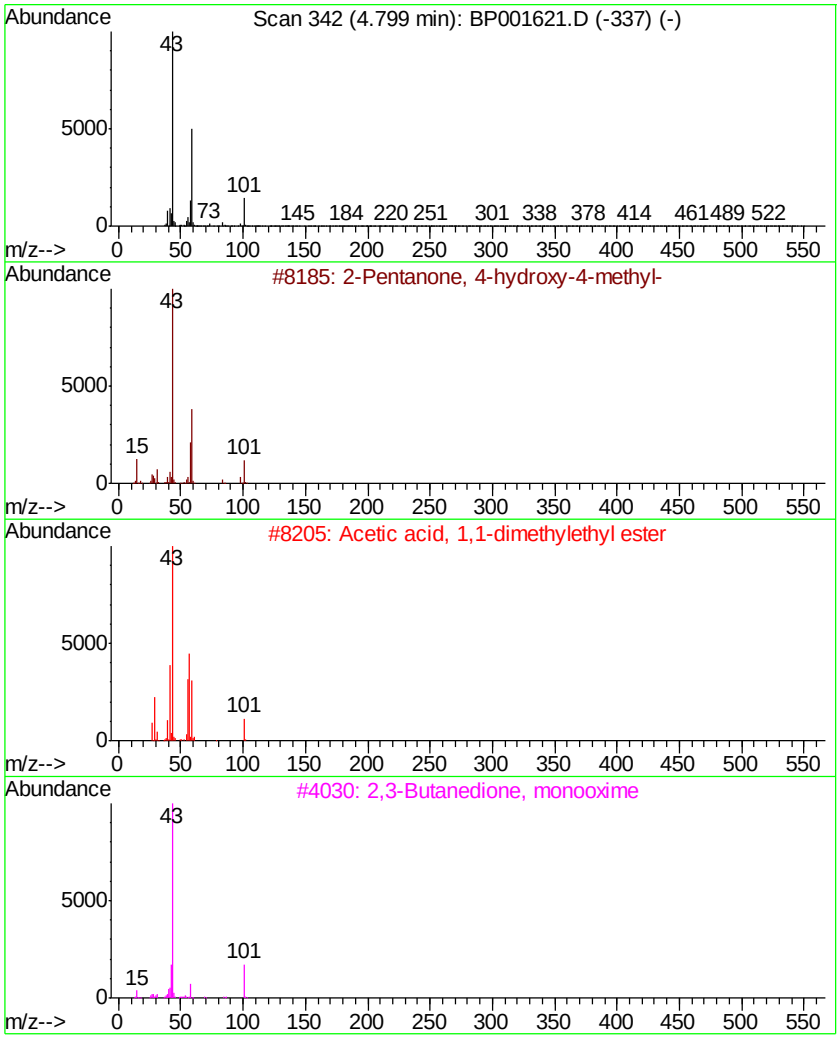
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

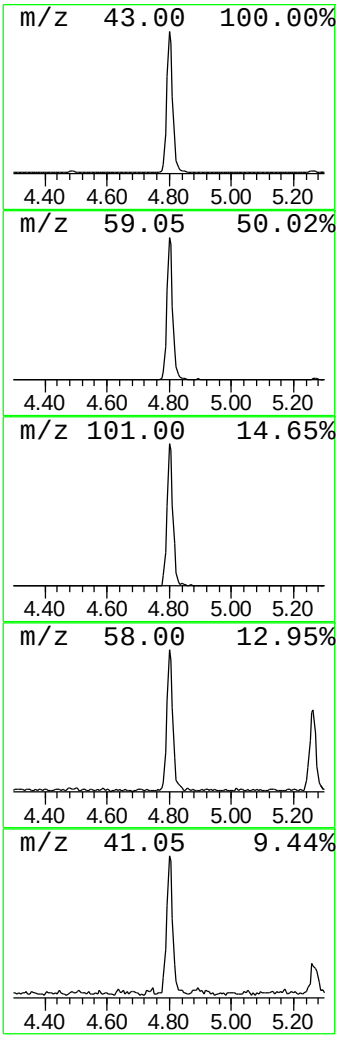
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	12.98 ng	205547	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	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Butane	58	C4H10	000106-97-8	9
5	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

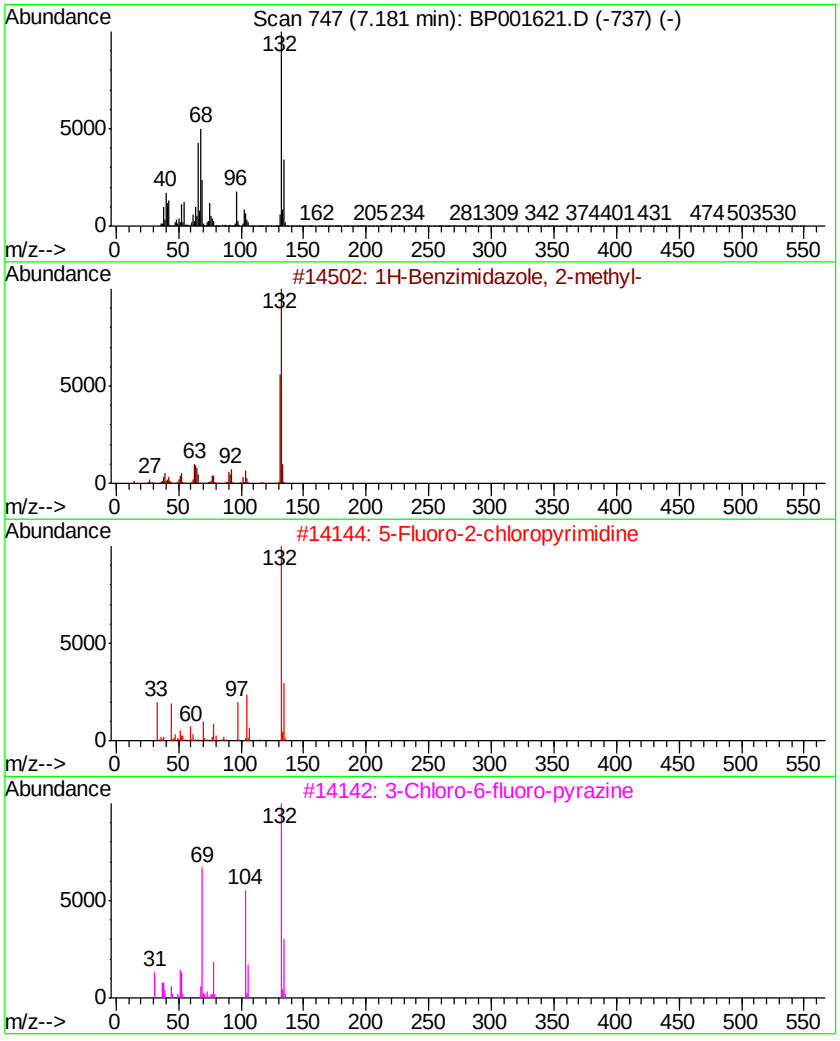
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

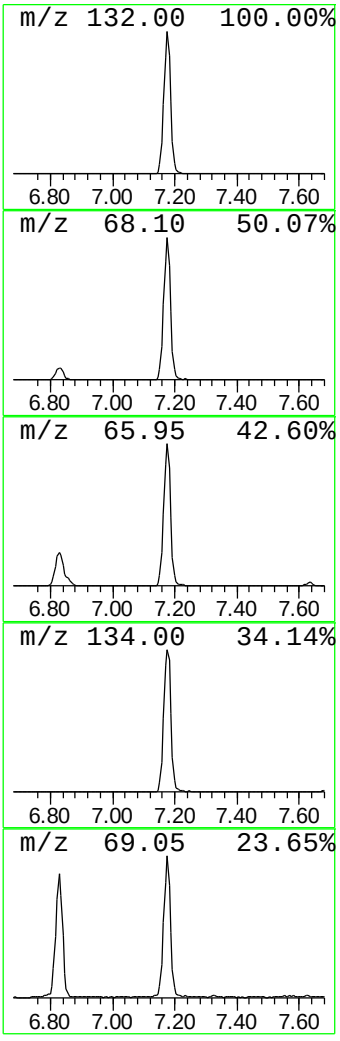
****

Peak Number 3 unknown7.18 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	63.05 ng	998802	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

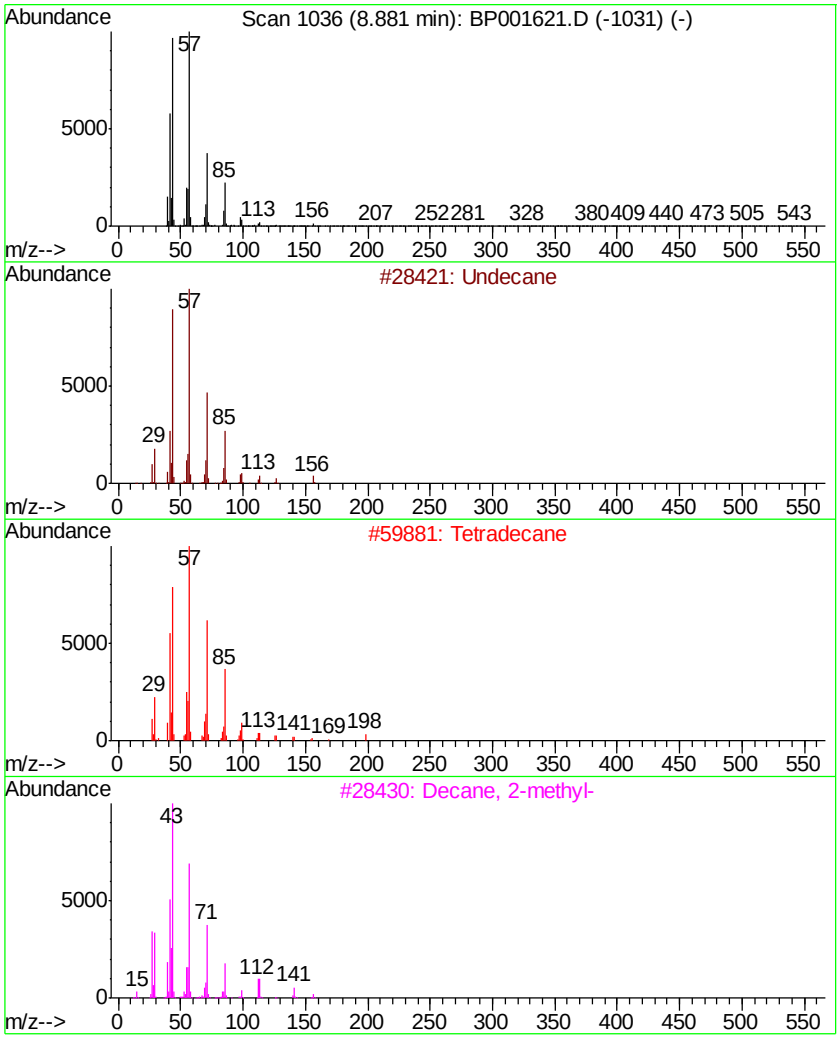
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

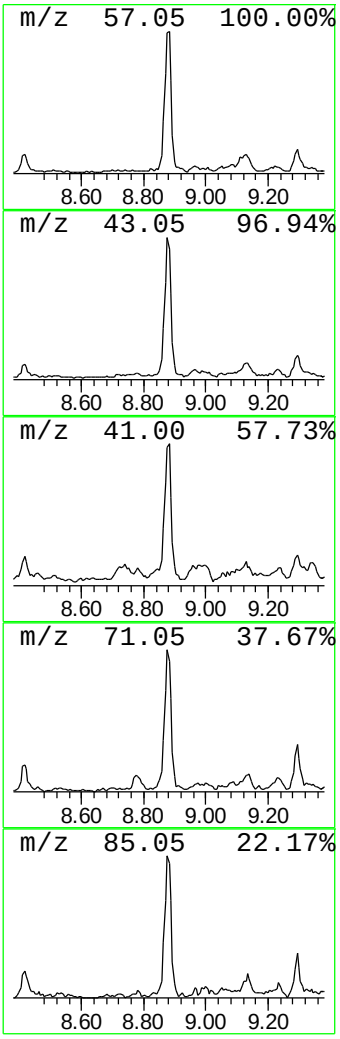
****

Peak Number 5 Undecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	10.23 ng	162006	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Decane, 2-methyl-	156	C11H24	006975-98-0	86
4	Pentadecane	212	C15H32	000629-62-9	83
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

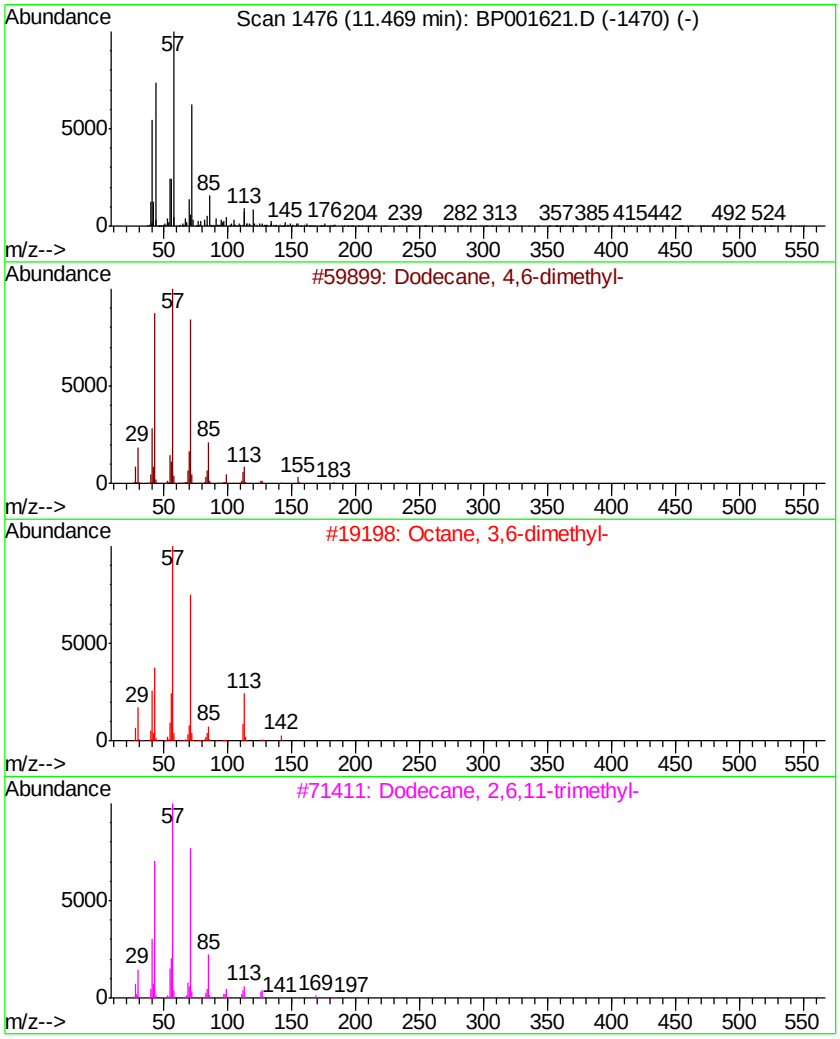
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

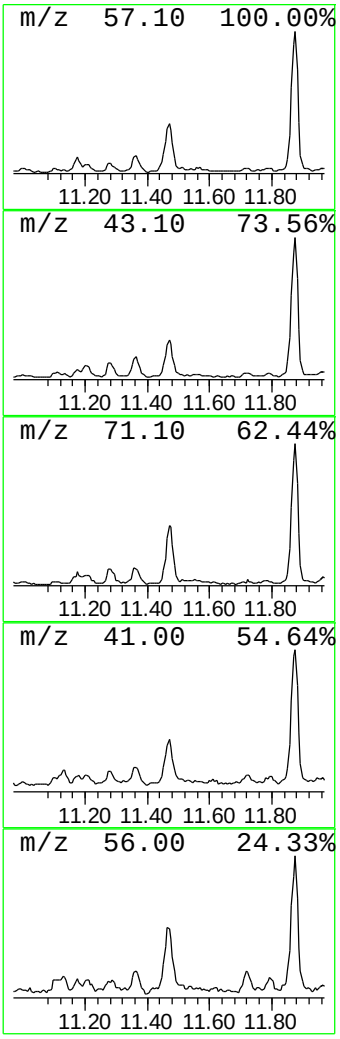
****

Peak Number 6 Dodecane, 4,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	6.00 ng	206748	Naphthalene-d8	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	86
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	64





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Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

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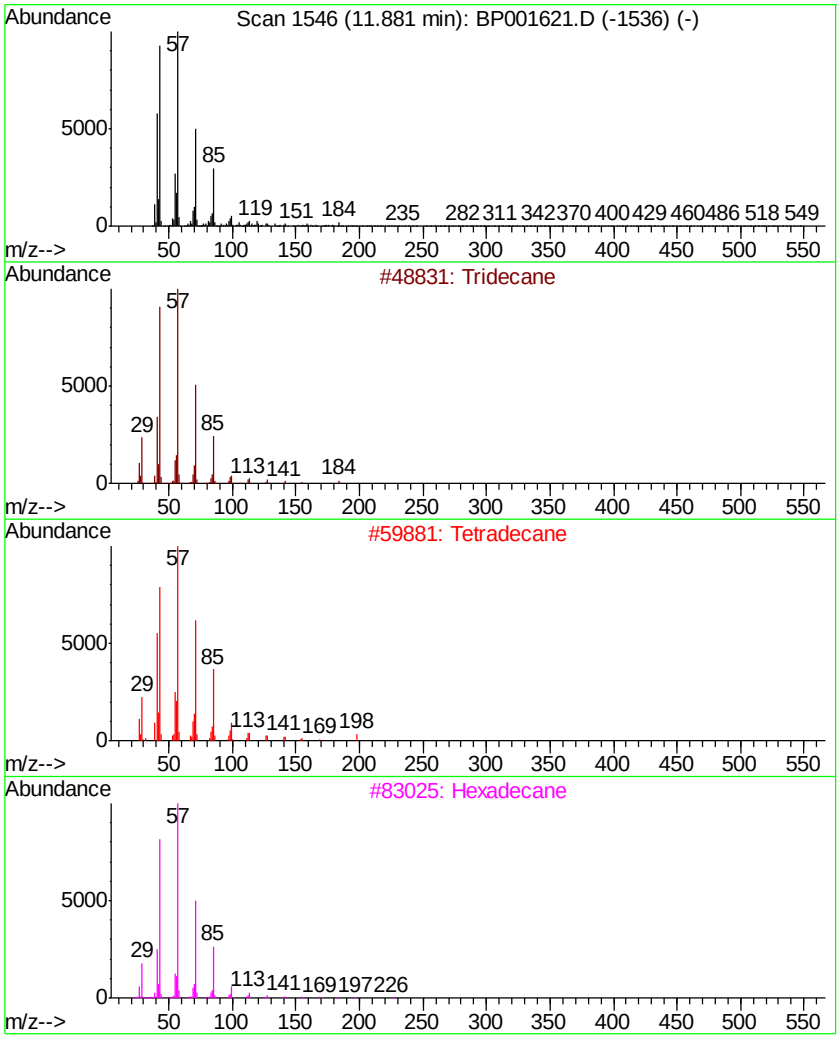
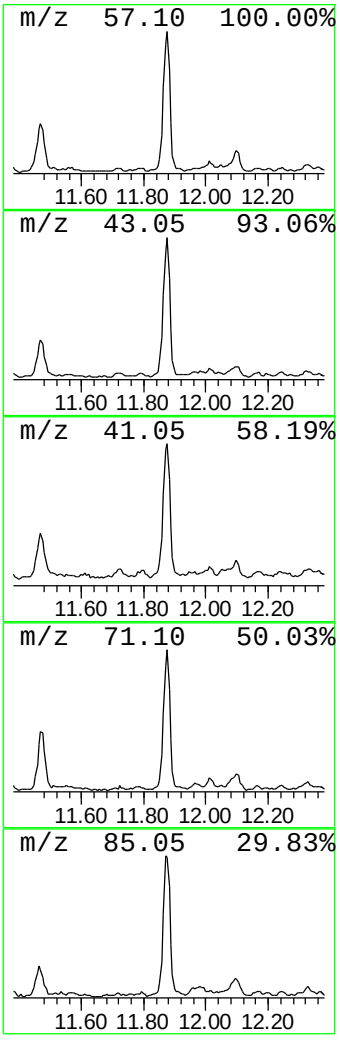
Peak Number 7 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	13.76 ng	474387	Naphthalene-d8	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	78
5	Undecane	156	C11H24	001120-21-4	78





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ClientSampleId : HR-05-011420

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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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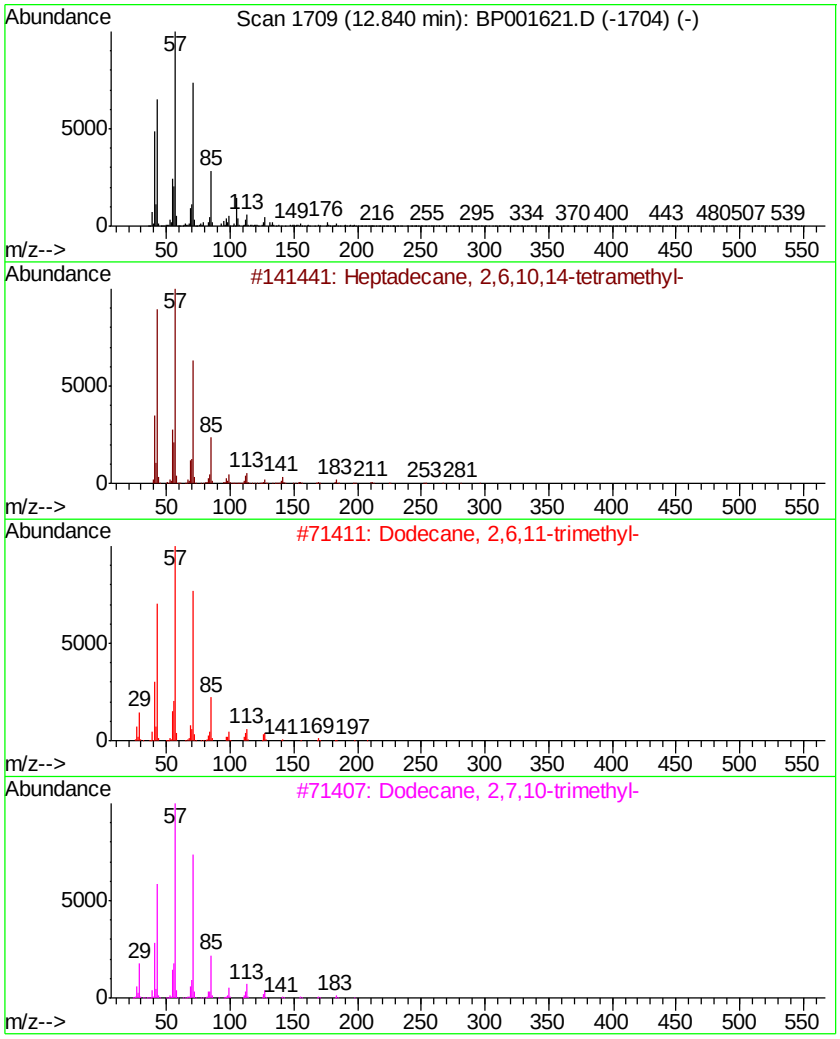
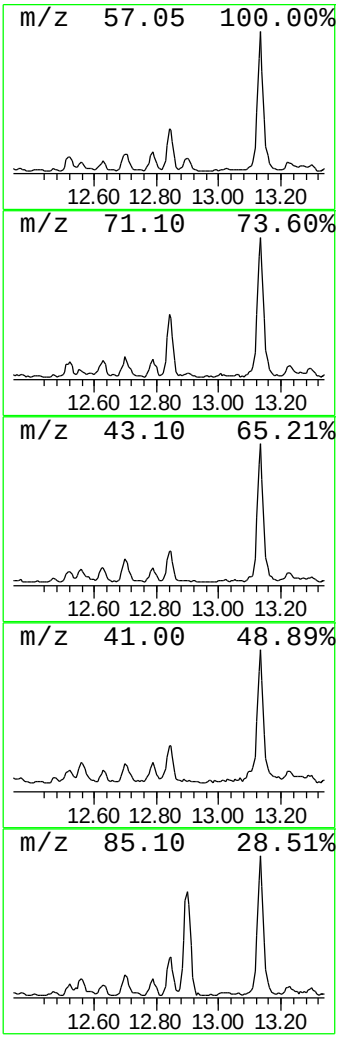
Peak Number 8 Heptadecane, 2,6,10,14-tetr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	6.34 ng	163240	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	90
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64





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Operator : JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : HR-05-011420

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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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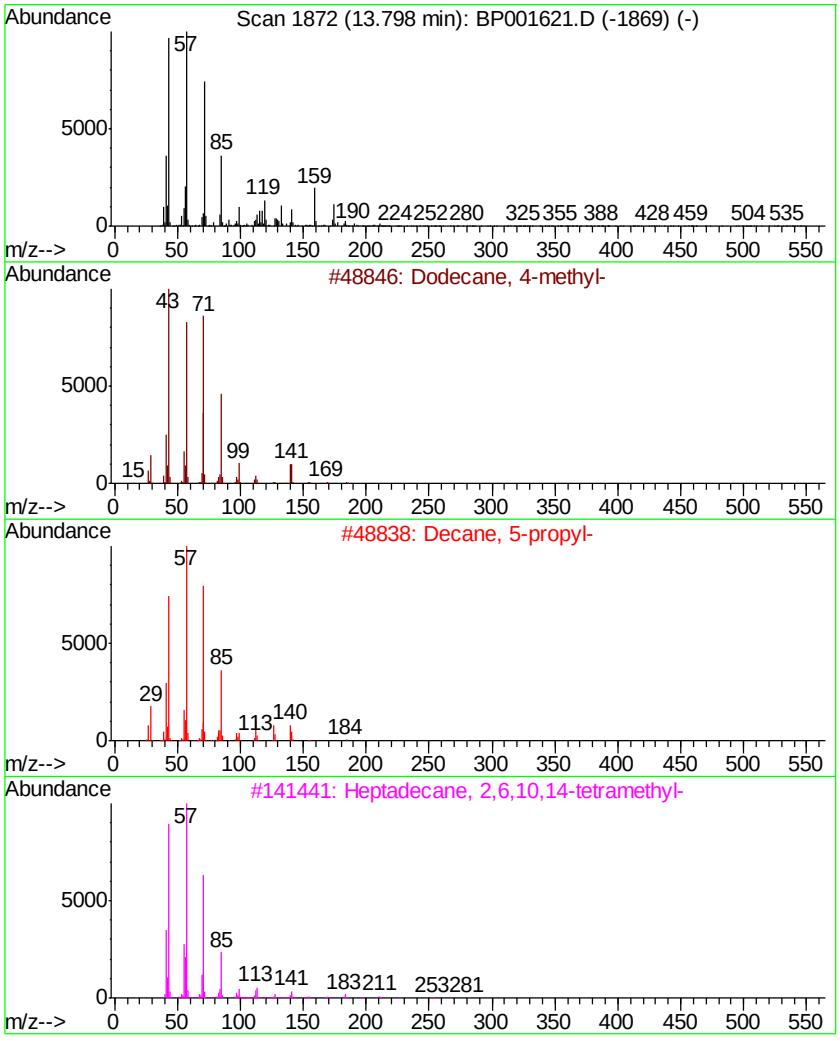
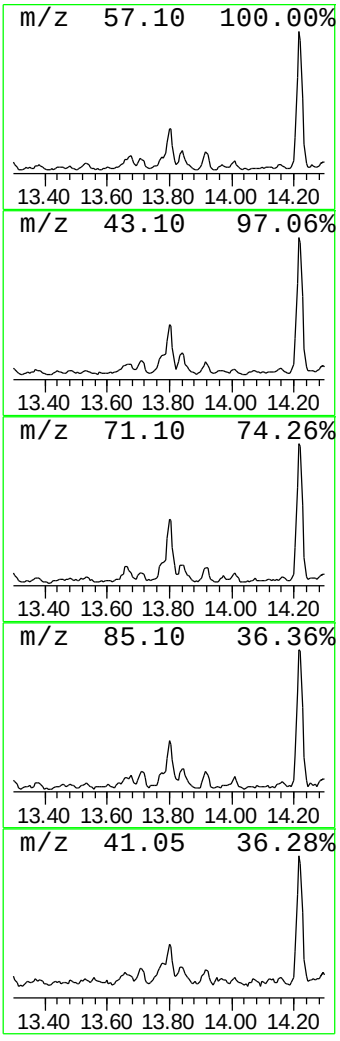
Peak Number 10 Dodecane, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.07 ng	156249	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	60
2	Decane, 5-propyl-	184	C13H28	017312-62-8	58
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	53
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50
5	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	50





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Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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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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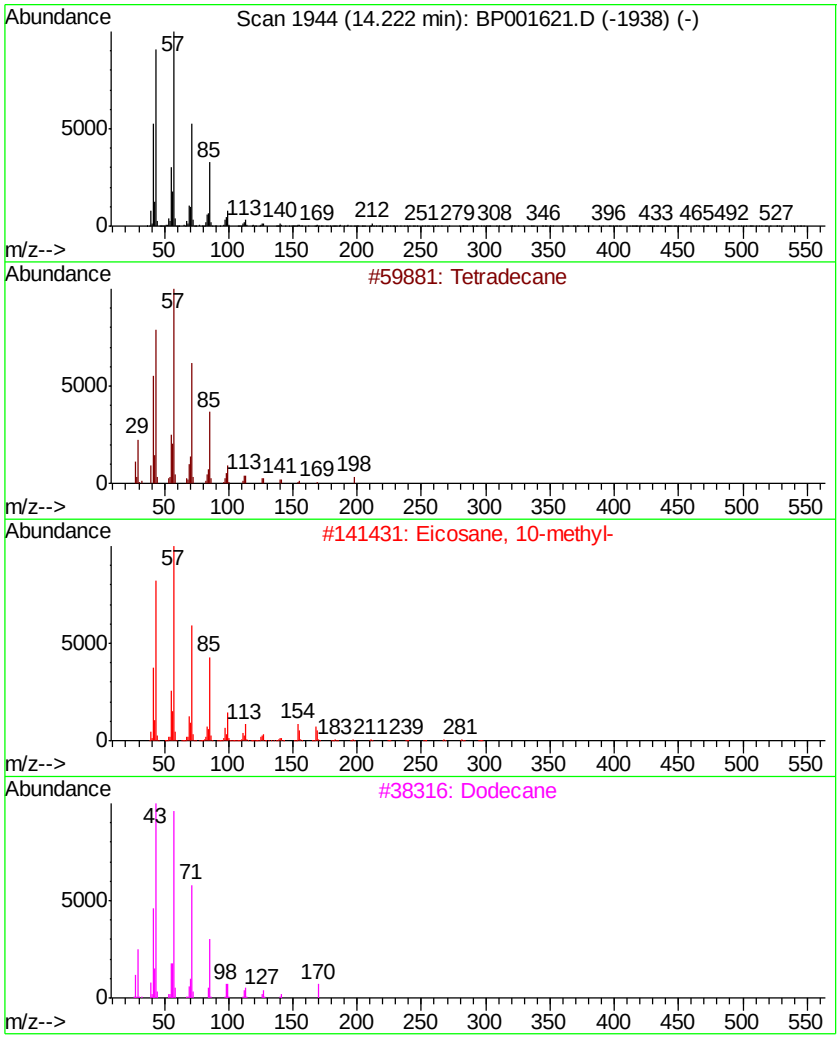
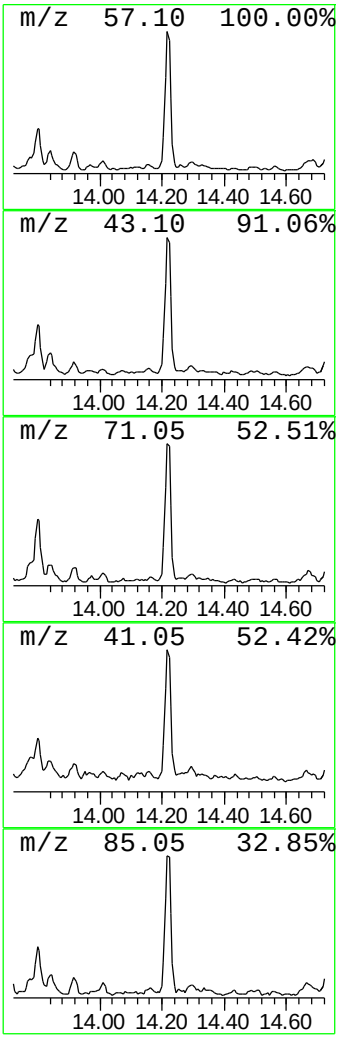
Peak Number 11 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	12.57 ng	323543	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
3	Dodecane	170	C12H26	000112-40-3	91
4	Pentadecane	212	C15H32	000629-62-9	91
5	Hexadecane	226	C16H34	000544-76-3	91





Library Search Compound Report

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Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : HR-05-011420

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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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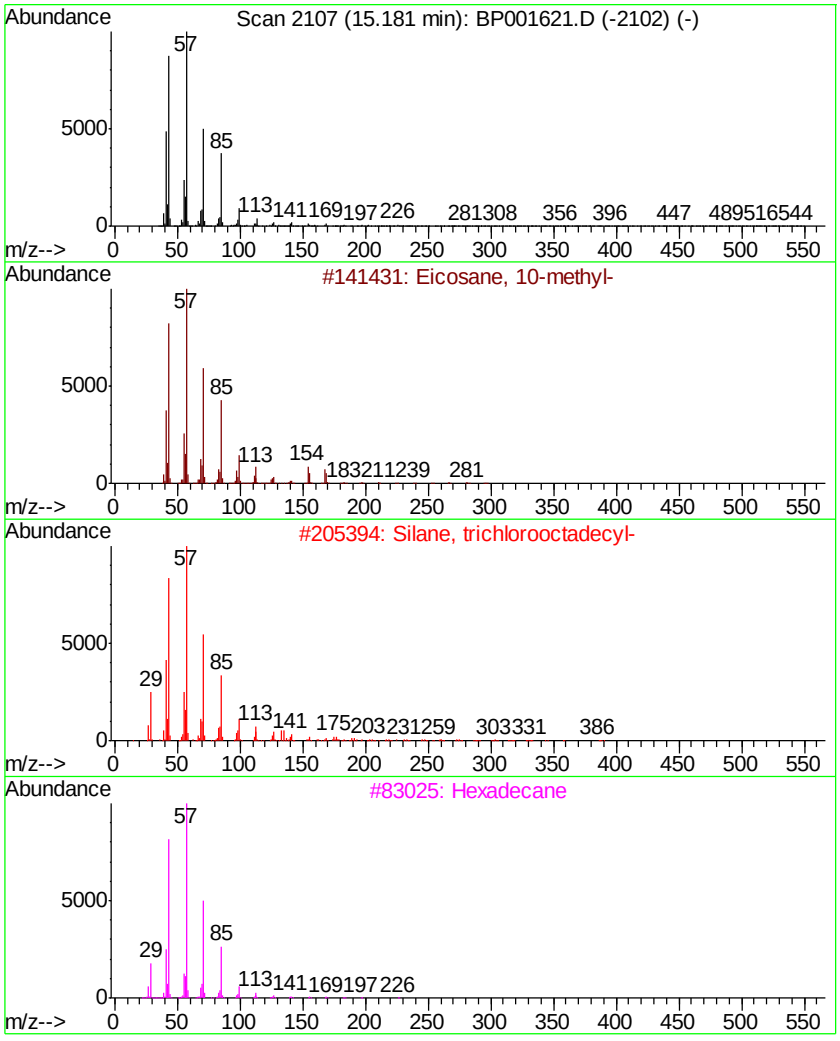
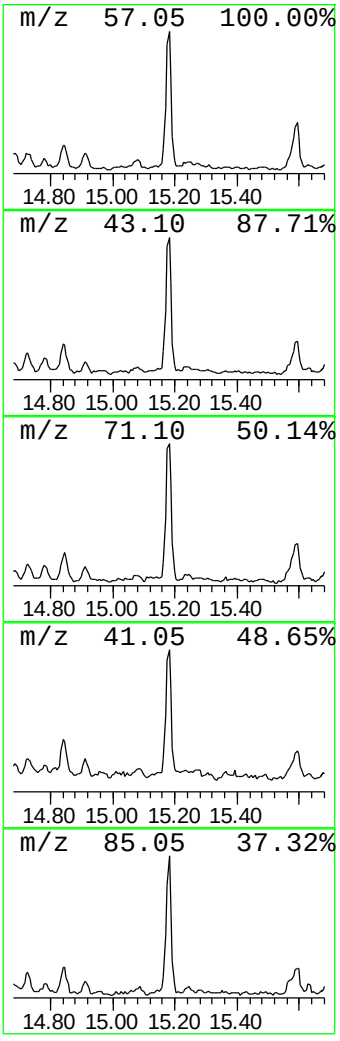
Peak Number 12 Eicosane, 10-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	7.89 ng	203095	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	95
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Hexatriacontane	507	C36H74	000630-06-8	90
5	Dotriacontane	451	C32H66	000544-85-4	90





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Instrument : BNA_P
ClientSampleId : HR-05-011420

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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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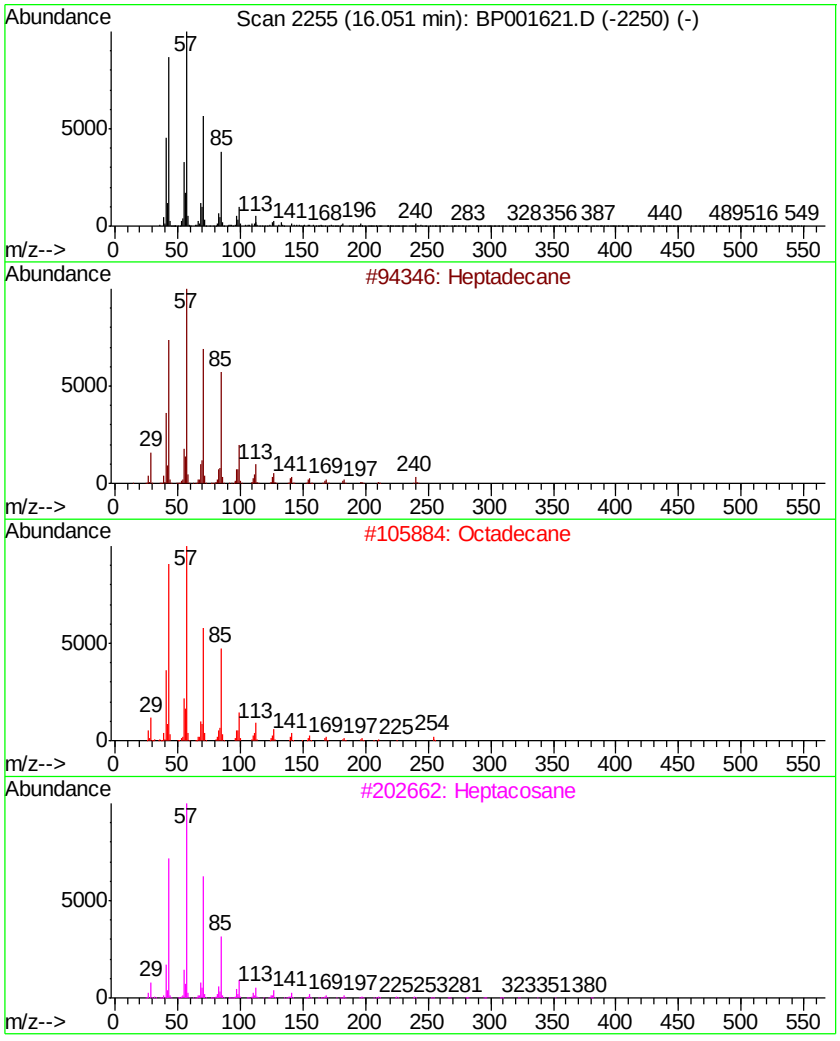
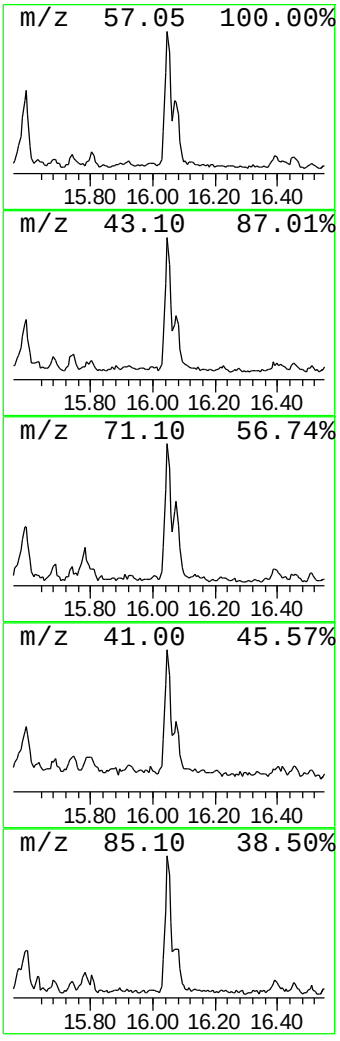
Peak Number 13 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.70 ng	134221	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Octadecane	254	C18H38	000593-45-3	93
3	Heptacosane	380	C27H56	000593-49-7	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Eicosane	282	C20H42	000112-95-8	90





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Misc :
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Instrument : BNA_P
ClientSampleId : HR-05-011420

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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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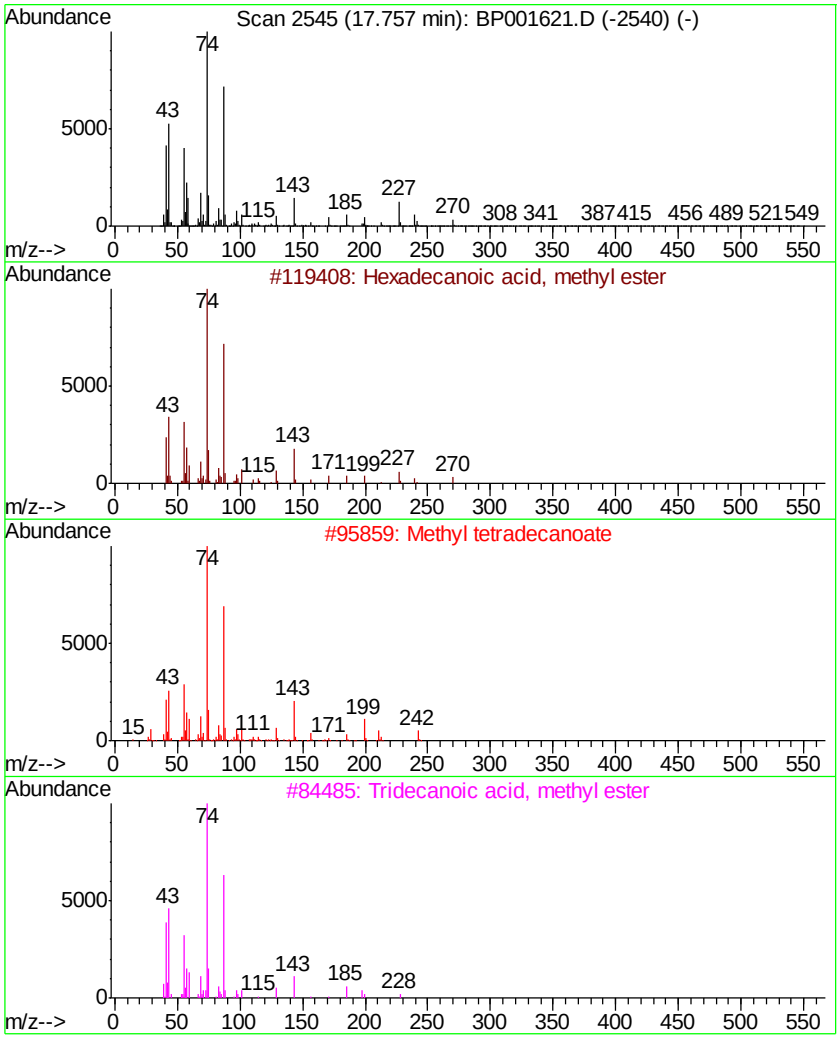
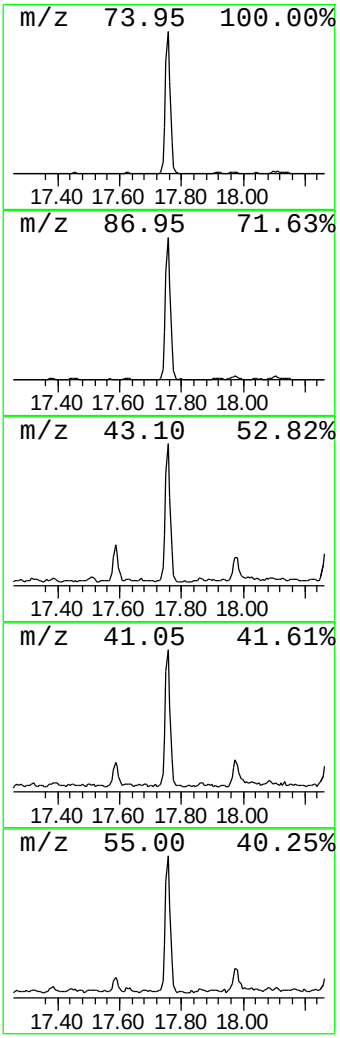
Peak Number 14 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	15.00 ng	428522	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	83
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	83





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ClientSampleId : HR-05-011420

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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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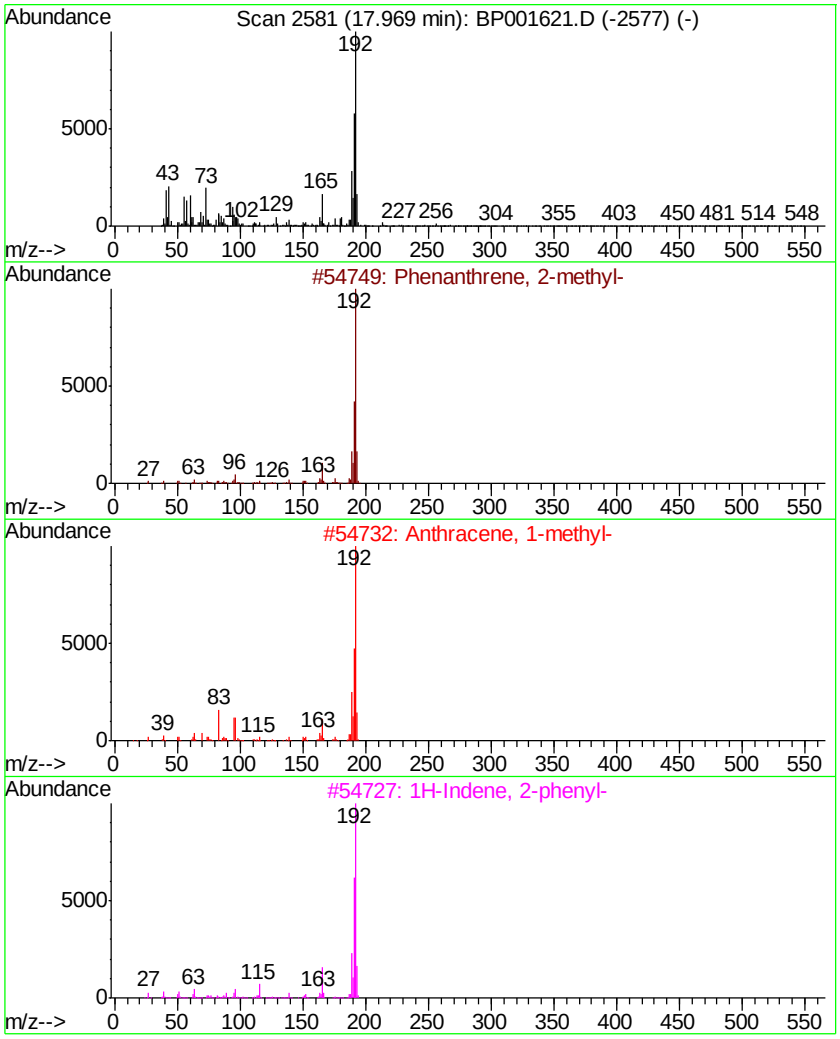
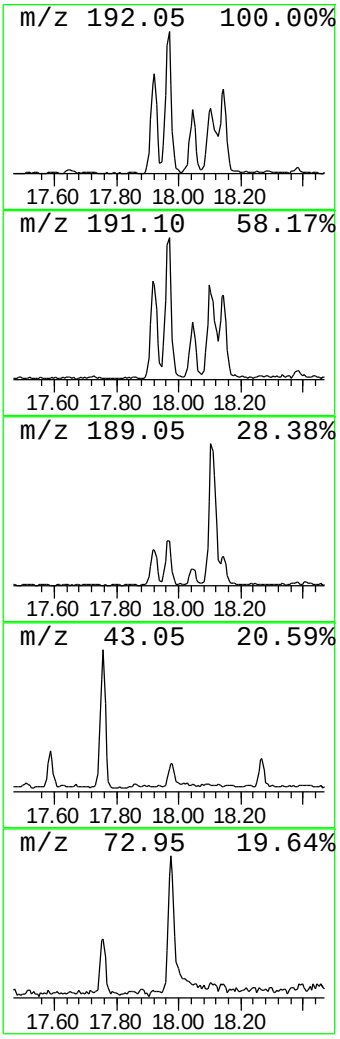
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	6.38 ng	182275	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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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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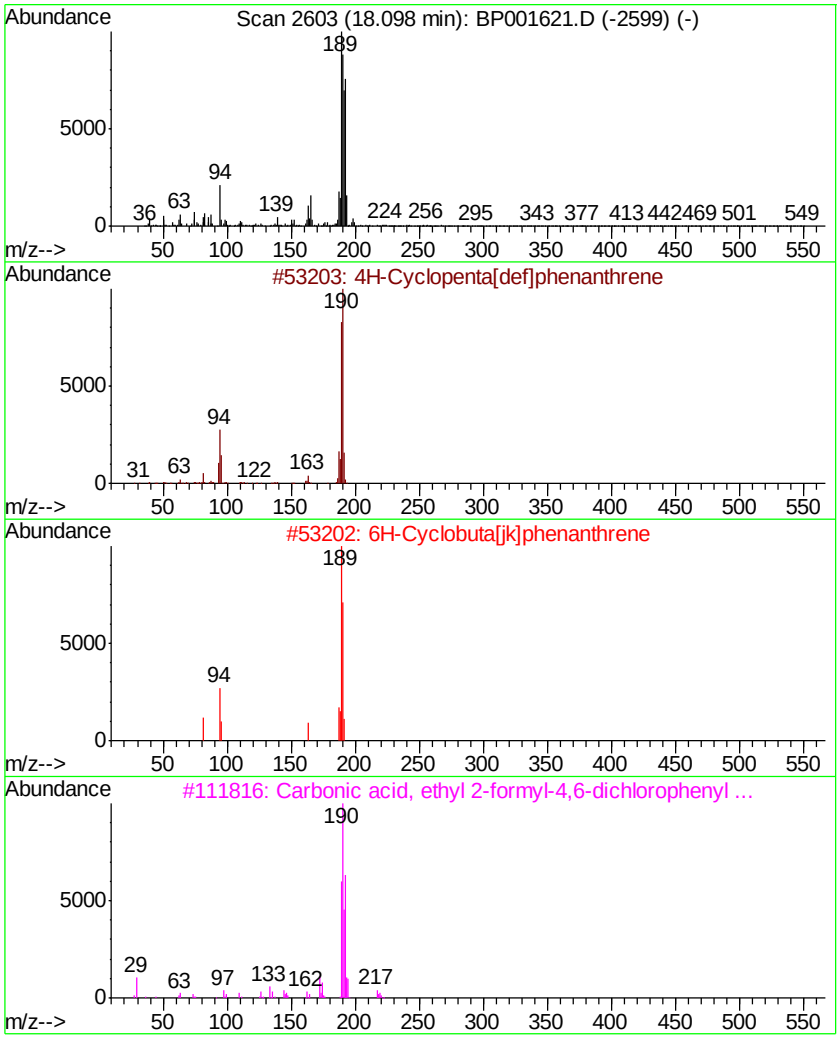
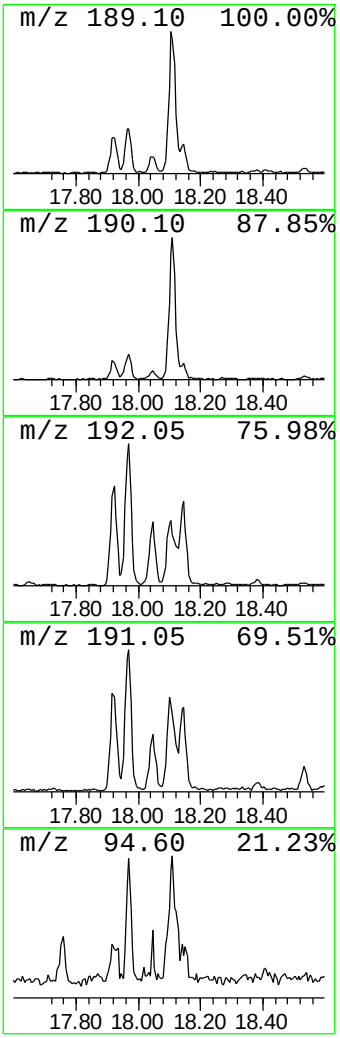
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.99 ng	171238	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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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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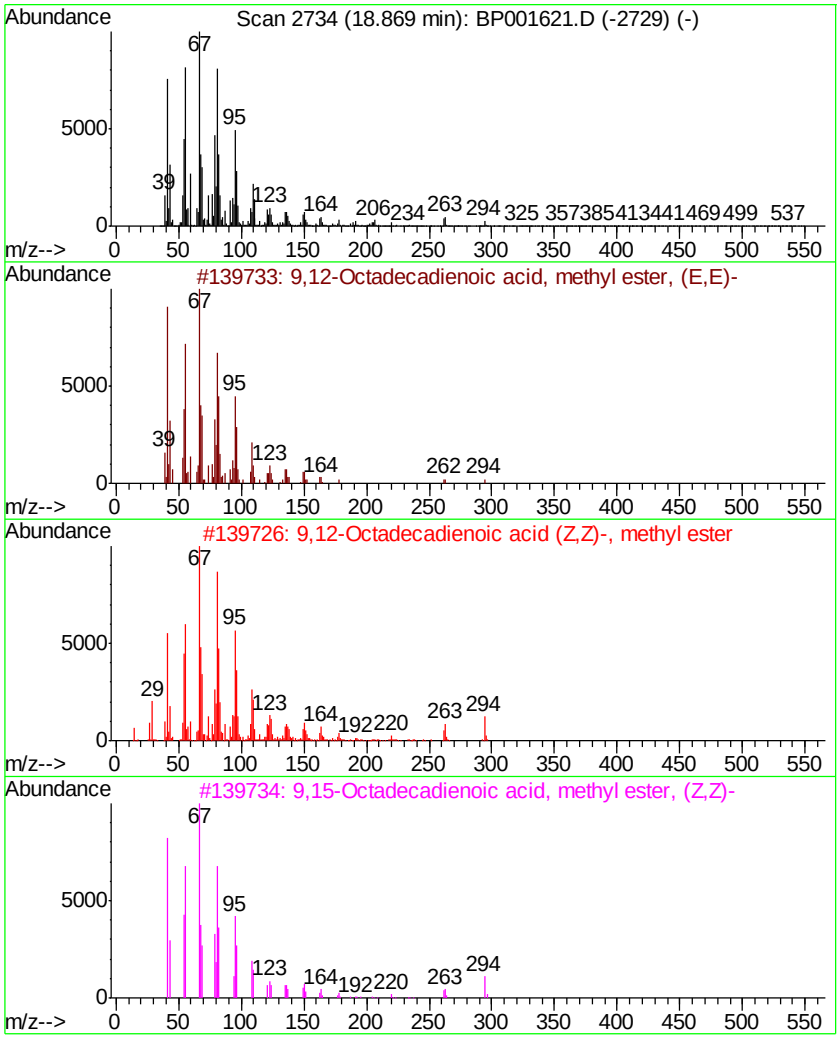
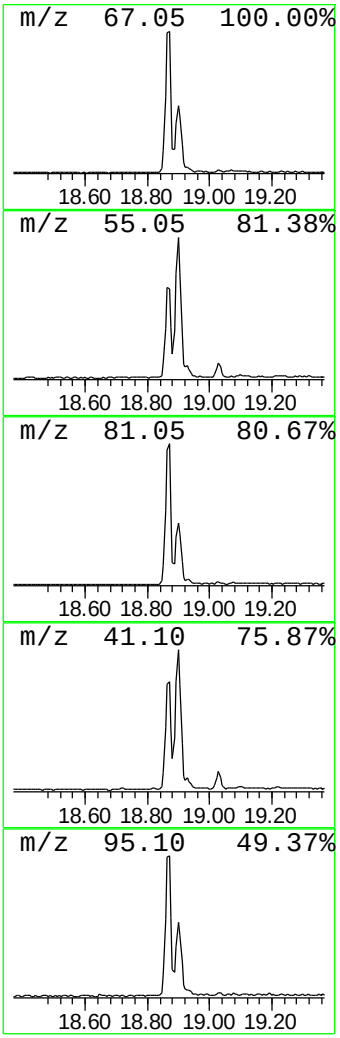
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	41.40 ng	1182790	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	98
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	97





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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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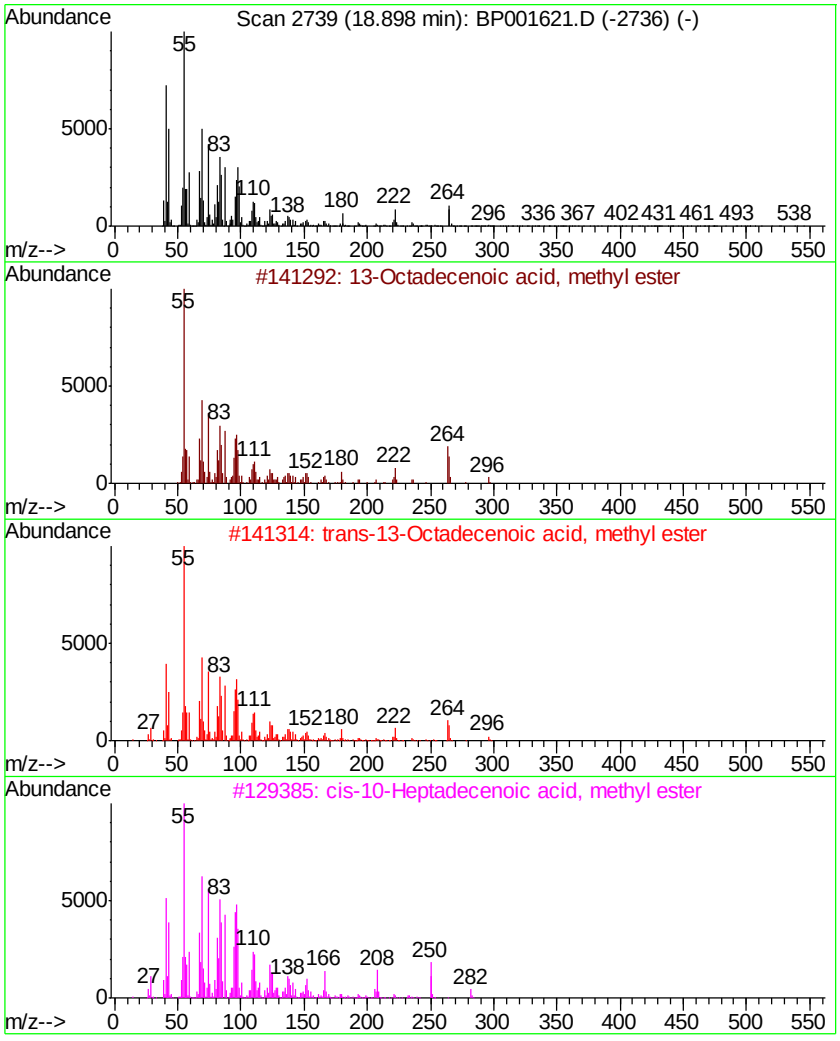
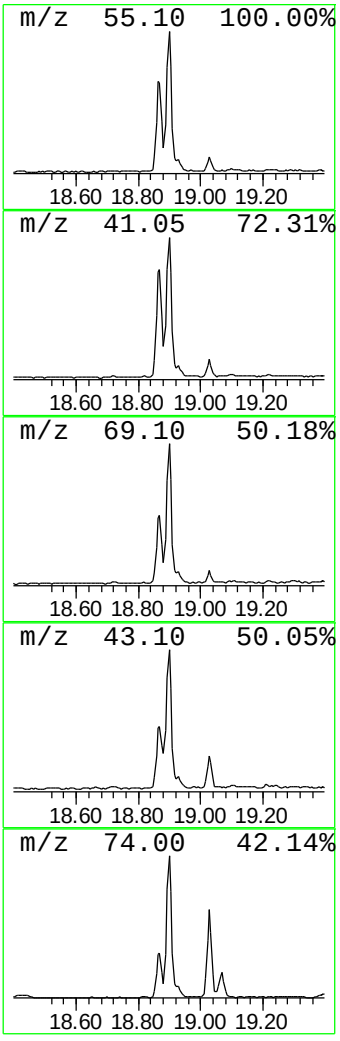
Peak Number 18 13-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	49.52 ng	1414750	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
2	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	94
3	cis-10-Heptadecenoic acid, methy...	282	C18H34O2	1000333-62-1	93
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	91





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

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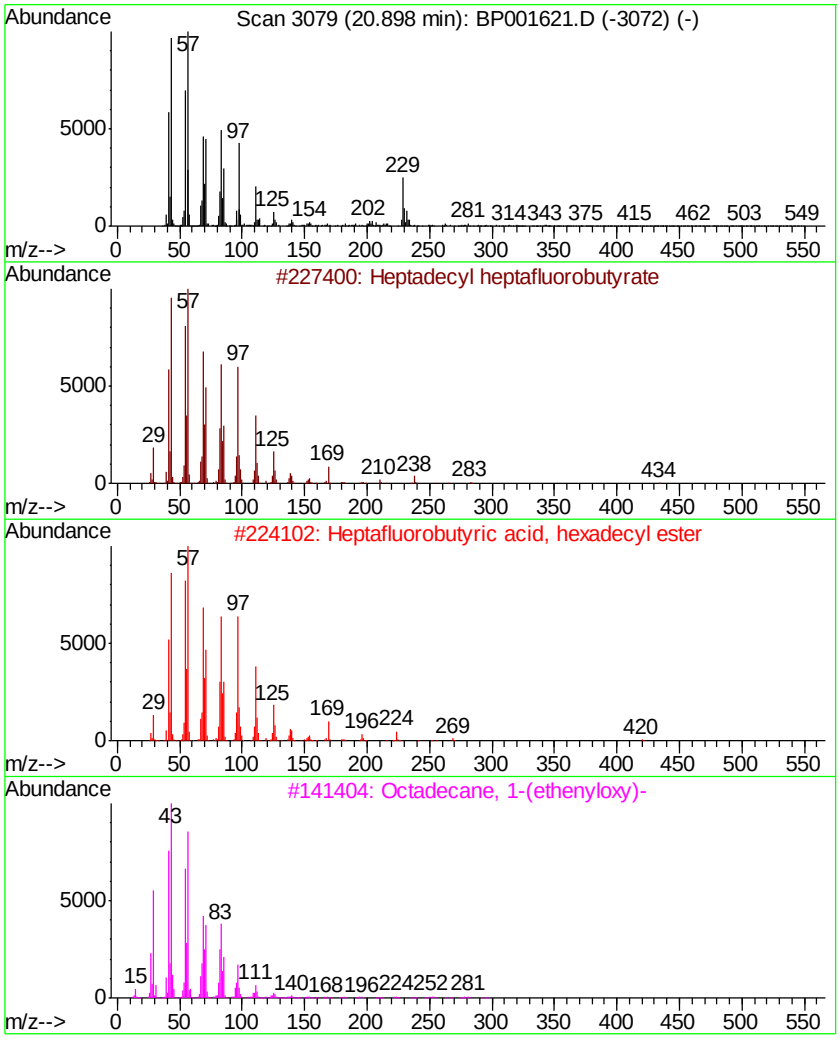
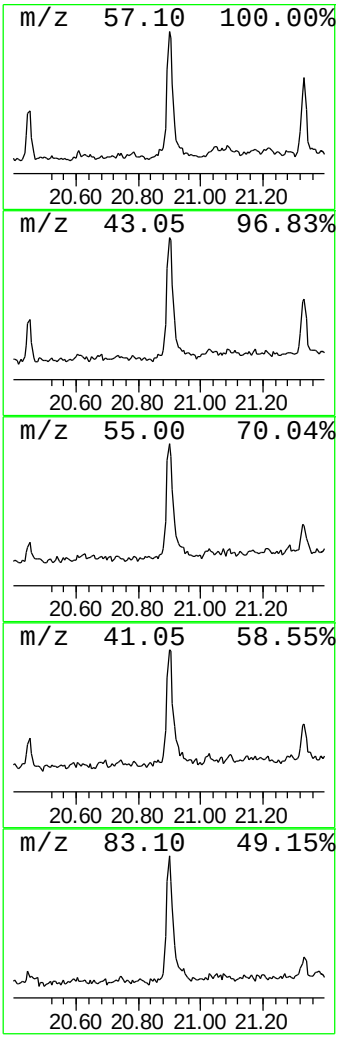
Peak Number 19 Heptadecyl heptafluorobutyrate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	6.39 ng	338976	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	76
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	76
3	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	70
4	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	68
5	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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

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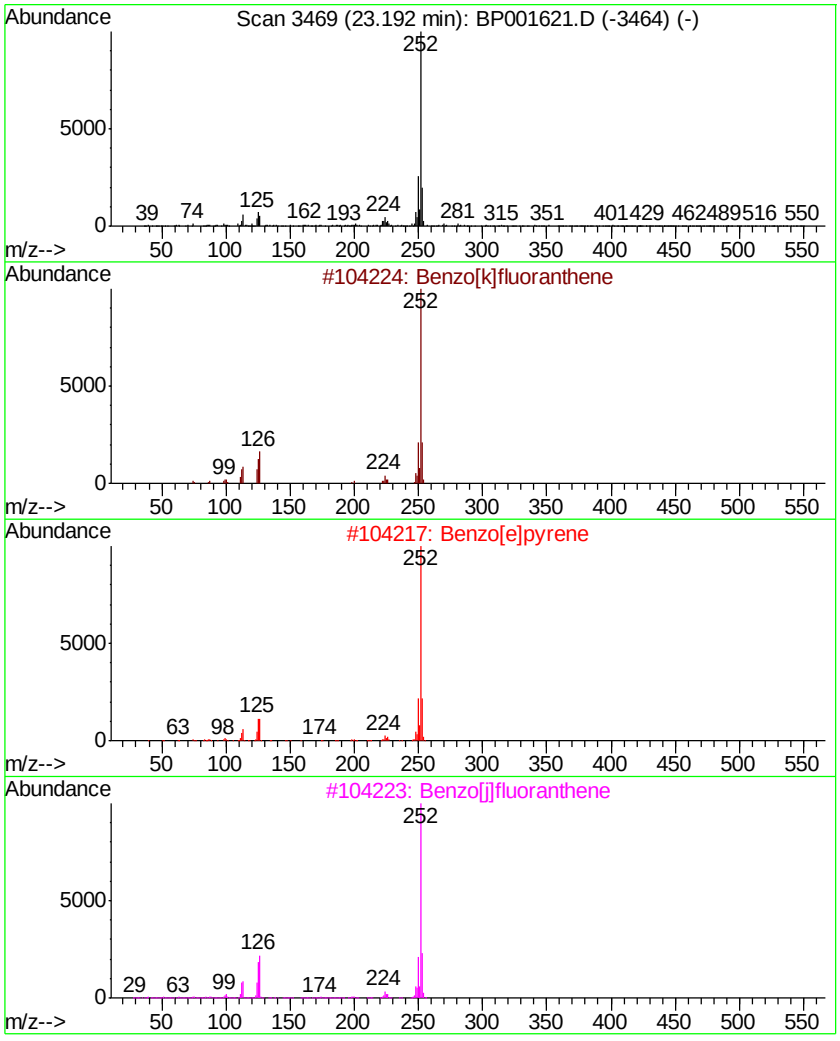
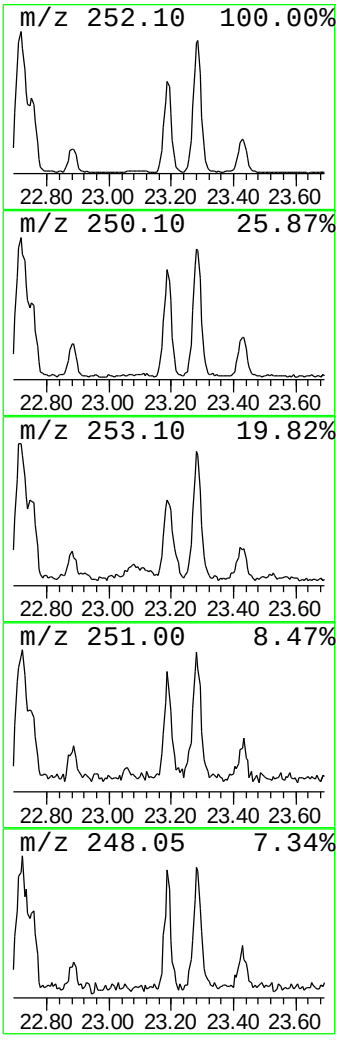
Peak Number 20 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	9.37 ng	216527	Perylene-d12	23.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP011520\
Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-05-011420

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...	2.95	15.5	ng	245818	1	7.63	316820	20.0
2-Pentanone, 4-hy...	4.80	13.0	ng	205547	1	7.63	316820	20.0
unknown7.18	7.18	63.0	ng	998802	1	7.63	316820	20.0
Undecane	8.88	10.2	ng	162006	1	7.63	316820	20.0
Dodecane, 4,6-dim...	11.47	6.0	ng	206748	2	10.41	689655	20.0
Tridecane	11.88	13.8	ng	474387	2	10.41	689655	20.0
Heptadecane, 2,6,...	12.84	6.3	ng	163240	3	14.28	514610	20.0
Dodecane, 4-methyl-	13.80	6.1	ng	156249	3	14.28	514610	20.0
Tetradecane	14.22	12.6	ng	323543	3	14.28	514610	20.0
Eicosane, 10-methyl-	15.18	7.9	ng	203095	3	14.28	514610	20.0
Heptadecane	16.05	4.7	ng	134221	4	17.05	571424	20.0
Hexadecanoic acid...	17.76	15.0	ng	428522	4	17.05	571424	20.0
Phenanthrene, 2-m...	17.97	6.4	ng	182275	4	17.05	571424	20.0
4H-Cyclopenta[def...	18.10	6.0	ng	171238	4	17.05	571424	20.0
9,12-Octadecadien...	18.87	41.4	ng	1182790	4	17.05	571424	20.0
13-Octadecenoic a...	18.90	49.5	ng	1414750	4	17.05	571424	20.0
Heptadecyl heptaf...	20.90	6.4	ng	338976	5	21.15	1060990	20.0
Benzo[e]pyrene	23.19	9.4	ng	216527	6	23.38	462030	20.0