LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024896.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	329	rBV	2399207	3162399	6.34%	0.441%
2	5.243	386	392	407	rBV	720550	1166137	2.34%	0.163%
3	6.813	653	659	681	rBV	2110105	3751752	7.52%	0.523%
4	7.607	783	794	801	rBV	908830	1403178	2.81%	0.196%
5	8.760	983	990	996	rBV	1823869	3117206	6.25%	0.435%
6	8.819	996	1000	1010	rVB	574368	847989	1.70%	0.118%
7	9.807	1160	1168	1179	rBV2	313730	633585	1.27%	0.088%
8	10.354	1254	1261	1272	rBV2	2818463	5973246	11.98%	0.833%
9	10.543	1288	1293	1299	rVB	1001448	1543808	3.10%	0.215%
10	11.072	1373	1383	1386	rBV3	458490	1183081	2.37%	0.165%
11	11.137	1391	1394	1401	rVB2	433233	712228	1.43%	0.099%
12	11.213	1402	1407	1414	rBV3	658529	1162382	2.33%	0.162%
13	11.295	1415	1421	1428	rVB2	958671	1748966	3.51%	0.244%
14	11.401	1433	1439	1444	rBV	2789309	4469628	8.96%	0.623%
15	11.660	1476	1483	1488	rBV3	387405	767589	1.54%	0.107%
16	11.813	1499	1509	1519	rBV	8666729	13510606	27.09%	1.885%
17	11.943	1528	1531	1535	rVB2	370518	557035	1.12%	0.078%
18	12.043	1543	1548	1554	rVB2	1488342	3225488	6.47%	0.450%
19	12.113	1556	1560	1567	rBV7	221888	536235	1.08%	0.075%
20	12.266	1580	1586	1596	rBV2	1257528	2762401	5.54%	0.385%
21	12.448	1612	1617	1621	rBV2	1058477	1792351	3.59%	0.250%
22	12.495	1621	1625	1626	rBV2	844684	1123962	2.25%	0.157%
23	12.560	1632	1636	1639	rBV	1028970	1203827	2.41%	0.168%
24	12.631	1644	1648	1652	rBV	2318150	3027873	6.07%	0.422%
25	12.725	1659	1664	1668	rBV	1679840	2821493	5.66%	0.394%
26	12.778	1668	1673	1678	rVV	4757707	7597965	15.23%	1.060%
27	12.860	1682	1687	1694	rVB	5063204	7549864	15.14%	1.053%
28	13.013	1710	1713	1716	rBV	786968	1096124	2.20%	0.153%
29	13.078	1716	1724	1730	rVB	13934591	24976025	50.07%	3.484%
30	13.166	1735	1739	1742	rBV	1173166	1741240	3.49%	0.243%
31	13.231	1748	1750	1754	rVB3	757056	836946	1.68%	0.117%
32	13.272	1754	1757	1760	rBV2	598221	806168	1.62%	0.112%
33	13.301	1760	1762	1770	rVB6	968456	1414042	2.83%	0.197%
34	13.401	1773	1779	1781	rBV	2305508	3843807	7.71%	0.536%
35	13.566	1802	1807	1811	rBV	4239288	7654626	15.35%	1.068%
36	13.619	1813	1816	1819	rVB2	1498946	2337750	4.69%	0.326%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.742	1828	1837	1841	rBV3	8401197	16089517	32.26%	2.244%
38	13.784	1841	1844	1852	rVB3	4032824	6716515	13.47%	0.937%
39	13.854	1852	1856	1860	rVB2	2983462	4250417	8.52%	0.593%
40	13.901	1860	1864	1868	rBV5	846502	1569781	3.15%	0.219%
41	13.948	1869	1872	1874	rBV3	833797	1056235	2.12%	0.147%
42	14.078	1891	1894	1903	rVB2	2794167	5452147	10.93%	0.760%
43	14.172	1903	1910	1914	rBV	20975533	34531571	69.23%	4.817%
44	14.231	1915	1920	1930	rVB6	3159441	9525415	19.10%	1.329%
45	14.613	1981	1985	1986	rBV2	2044023	2654757	5.32%	0.370%
46	14.672	1991	1995	2000	rVV2	6615200	9214144	18.47%	1.285%
47	14.742	2001	2007	2012	rVV2	3847687	8132417	16.30%	1.134%
48	14.795	2012	2016	2022	rVB2	8335074	11536080	23.13%	1.609%
49	14.860	2023	2027	2029	rBV	2979159	3656756	7.33%	0.510%
50	14.889	2029	2032	2036	rVV	3117813	4563622	9.15%	0.637%
51	14.936	2038	2040	2044	rVB	2384800	2980150	5.97%	0.416%
52	15.060	2055	2061	2064	rBV5	2355995	4460922	8.94%	0.622%
53	15.101	2064	2068	2069	rBV	1438208	1826528	3.66%	0.255%
54	15.142	2069	2075	2079	rVB	21316709	34024969	68.21%	4.746%
55	15.313	2101	2104	2108	rBV3	1943030	2821261	5.66%	0.394%
56	15.366	2109	2113	2118	rVB3	2445243	4602672	9.23%	0.642%
57	15.548	2136	2144	2148	rBV	12345869	23353614	46.82%	3.257%
58	15.642	2157	2160	2166	rVB2	4659873	7081514	14.20%	0.988%
59	15.701	2166	2170	2175	rBV2	5019644	8868411	17.78%	1.237%
60	15.766	2175	2181	2188	rVB5	5620666	11600782	23.26%	1.618%
61	16.025	2218	2225	2228	rBV2	23334643	49879909	100.00%	6.957%
62	16.366	2278	2283	2286	rBV2	4343750	7658003	15.35%	1.068%
63	16.425	2291	2293	2299	rVB3	3826810	4532285	9.09%	0.632%
64	16.478	2299	2302	2306	rVB2	3149274	3282729	6.58%	0.458%
65	16.530	2308	2311	2316	rVB	2726632	3815603	7.65%	0.532%
66	16.601	2320	2323	2325	rBV	2715466	2902223	5.82%	0.405%
67	16.836	2357	2363	2366	rBV	21134087	32986744	66.13%	4.601%
68	16.883	2366	2371	2383	rVB	15067611	24237143	48.59%	3.381%
69	17.066	2398	2402	2405	rBV3	2725014	4735151	9.49%	0.660%
70	17.107	2405	2409	2411	rVV	2701160	3882917	7.78%	0.542%
71	17.313	2441	2444	2451	rBV2	3670998	4581019	9.18%	0.639%
72	17.389	2452	2457	2462	rVV4	5085368	9652725	19.35%	1.346%
73	17.436	2463	2465	2470	rVV2	2360313	2961039	5.94%	0.413%
74	17.501	2472	2476	2481	rVB	3719535	6334850	12.70%	0.884%
75	17.595	2486	2492	2497	rVB	22207181	35044287	70.26%	4.888%
76	17.666	2501	2504	2514	rVB3	3607490	7176030	14.39%	1.001%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	17.883	2537	2541	2545	rBV4	1986286	3747731	7.51%	0.523%
78	17.972	2552	2556	2559	rBV	3487622	4677586	9.38%	0.652%
79	18.019	2559	2564	2567	rBV2	4969062	7784891	15.61%	1.086%
80	18.160	2585	2588	2592	rVB2	3587772	4486414	8.99%	0.626%
81	18.207	2592	2596	2601	rVB2	3549532	5977071	11.98%	0.834%
82	18.319	2609	2615	2622	rBV	19764280	32385275	64.93%	4.517%
83	18.383	2622	2626	2630	rVV2	2692991	4061342	8.14%	0.566%
84	18.795	2692	2696	2701	rVV2	4697463	7101015	14.24%	0.990%
85	18.842	2702	2704	2708	rVB2	2511163	2441674	4.90%	0.341%
86	18.924	2716	2718	2722	rVB	3747641	4663256	9.35%	0.650%
87	18.977	2722	2727	2732	rVB2	17115388	24866289	49.85%	3.468%
88	19.024	2733	2735	2739	rBV3	1650748	1865403	3.74%	0.260%
89	19.201	2762	2765	2767	rBV2	1620334	1904952	3.82%	0.266%
90	19.272	2775	2777	2780	rVB	1518110	1452849	2.91%	0.203%
91	19.360	2790	2792	2797	rBV3	1493726	1854949	3.72%	0.259%
92	19.577	2825	2829	2837	rBV2	13070155	19138179	38.37%	2.669%
93	19.754	2856	2859	2862	rBV2	2234976	3075526	6.17%	0.429%
94	19.795	2862	2866	2870	rVB	8667213	11705364	23.47%	1.633%
95	20.136	2920	2924	2928	rBV	9638416	11560515	23.18%	1.613%
96	20.660	3009	3013	3018	rBV2	5052642	6690827	13.41%	0.933%
97	21.171	3097	3100	3103	rVB	3605865	3980970	7.98%	0.555%
98	21.501	3153	3156	3162	rVB2	2405966	3679062	7.38%	0.513%
99	21.736	3194	3196	3199	rVB	1904290	1536099	3.08%	0.214%

Sum of corrected areas: 716929095

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
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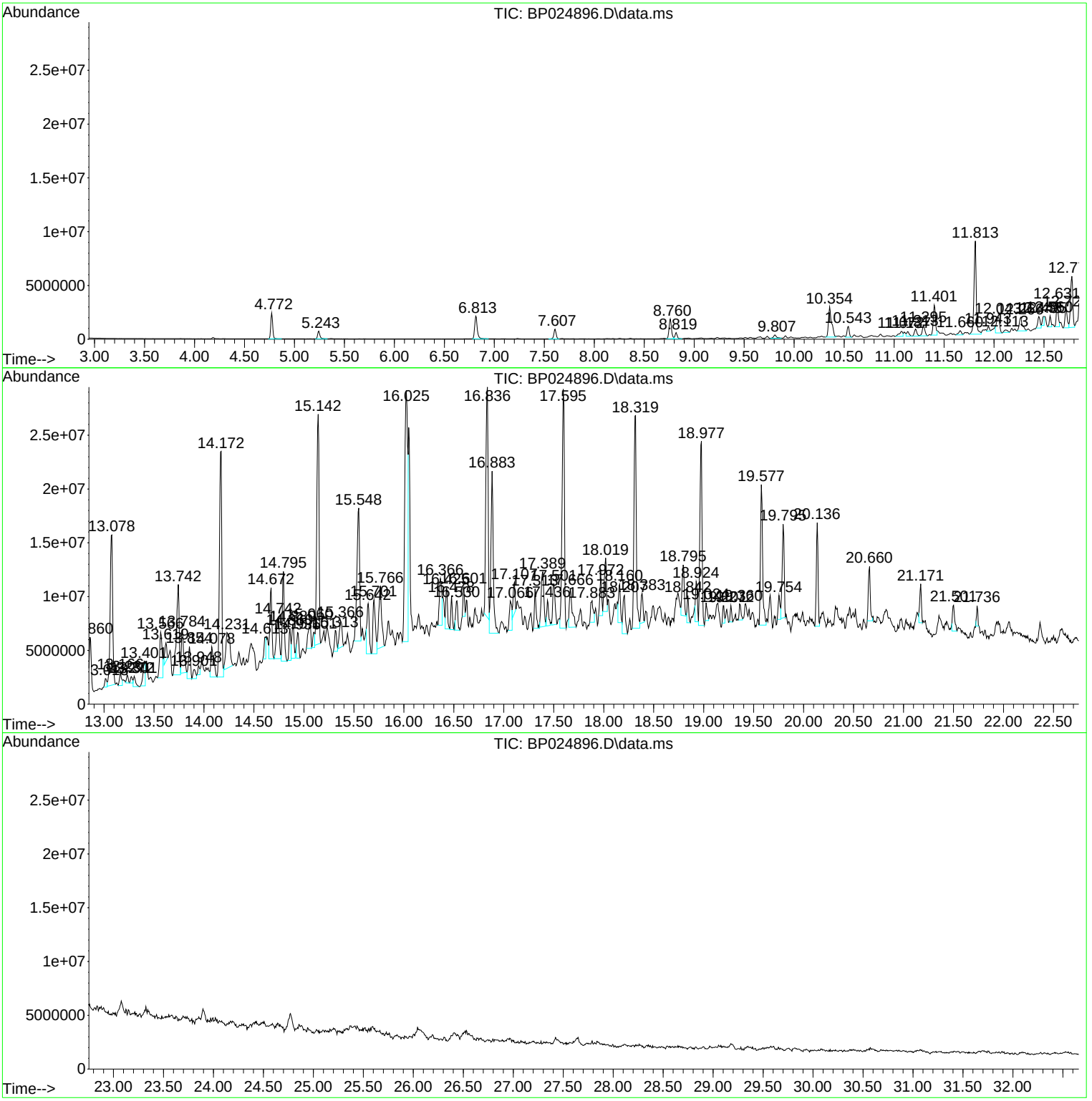
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

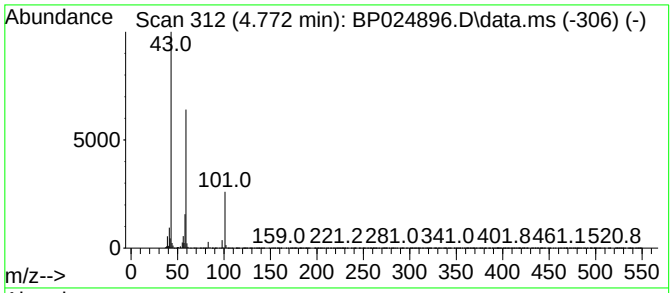
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

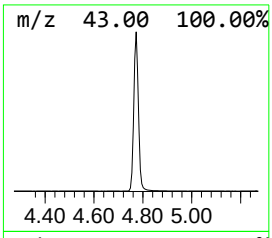
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

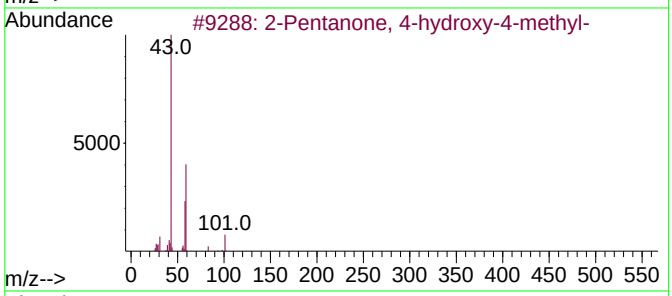
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

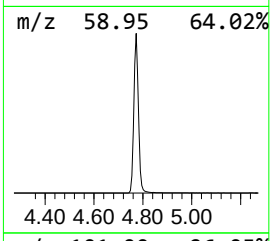
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	45.07 ng	3162400	1,4-Dichlorobenzene-d4	7.607

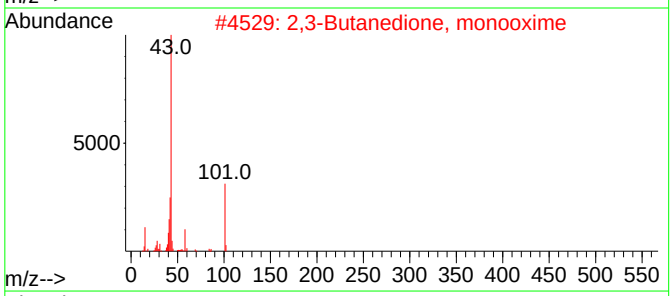
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

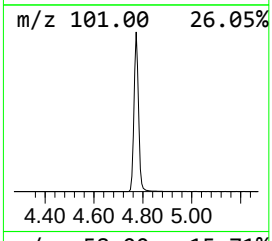


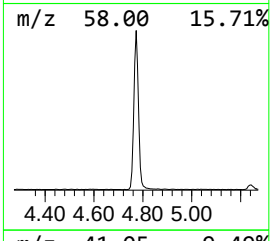


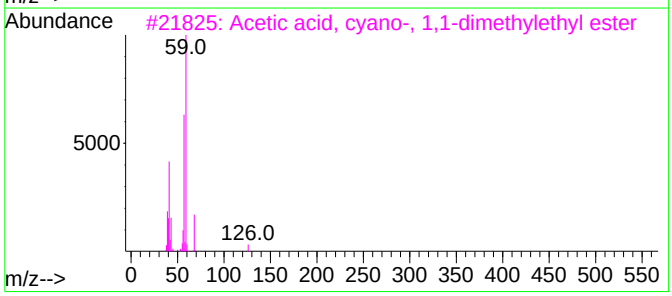


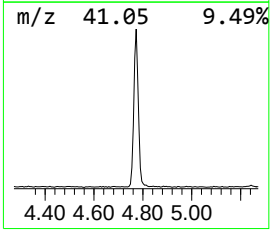












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

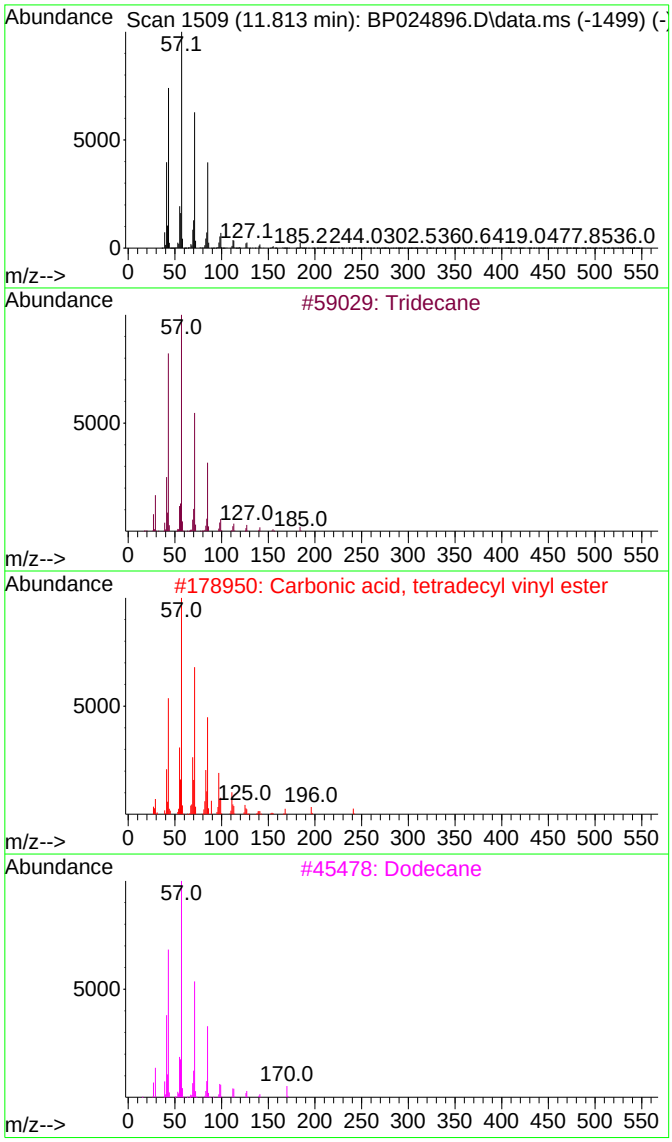
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

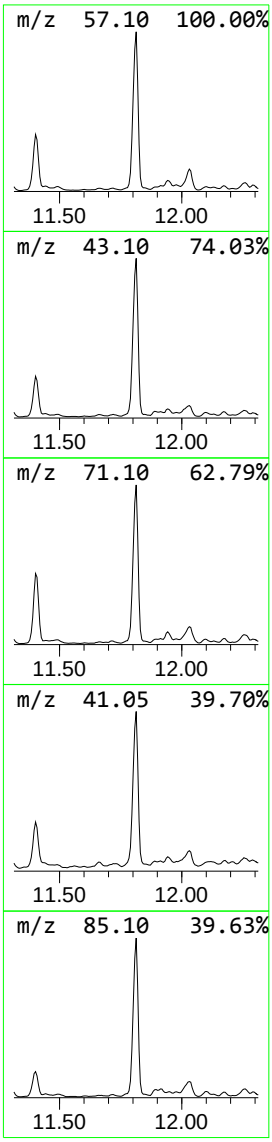
****

Peak Number 2 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.813	45.24 ng	13510600	Naphthalene-d8	10.378

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90
3	Dodecane	170	C12H26	000112-40-3	90
4	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	90
5	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

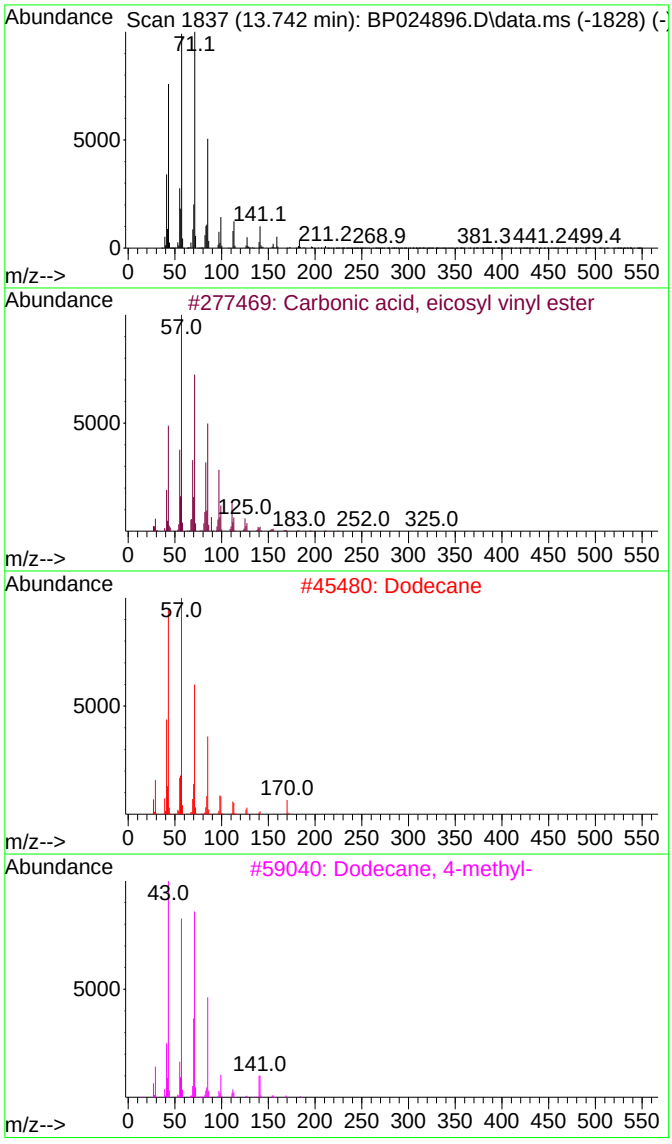
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

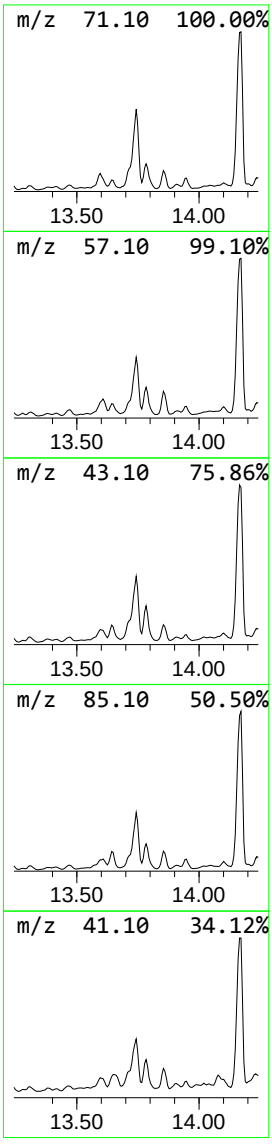
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Carbonic acid, eicosyl viny... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.742	33.78 ng	16089500	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
2	Dodecane	170	C12H26	000112-40-3	86
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	81
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

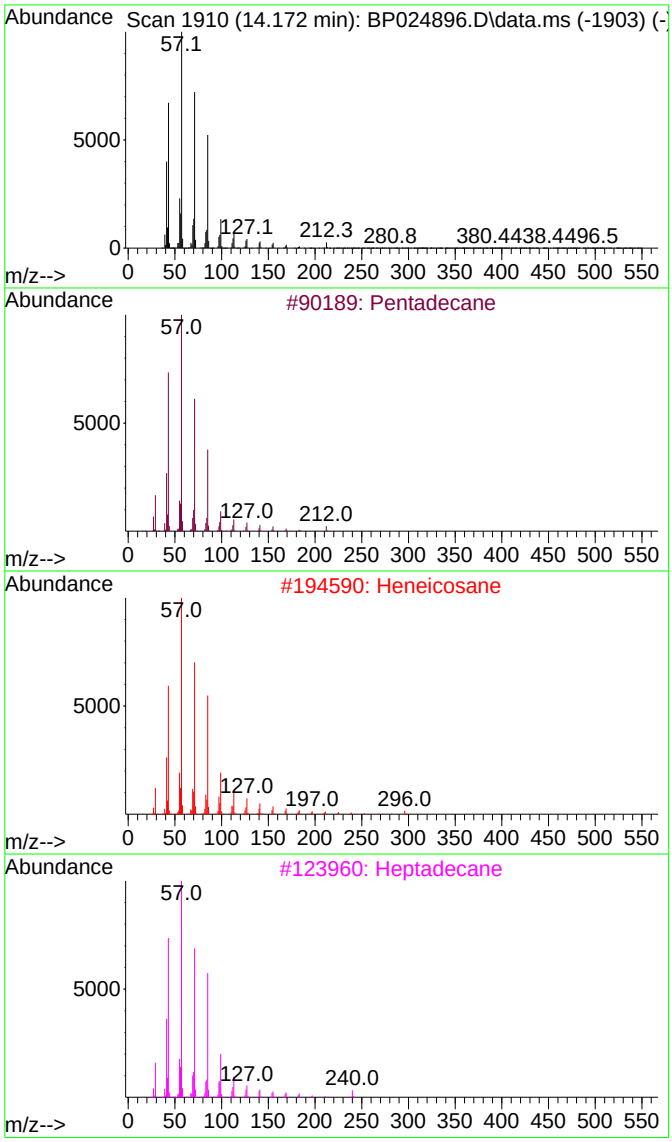
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

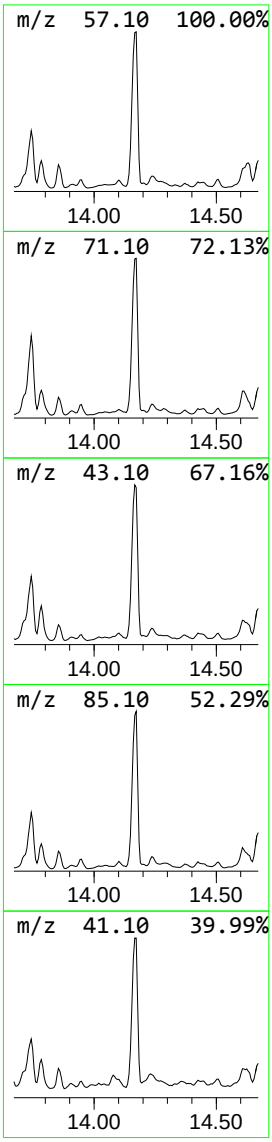
****

Peak Number 4 Pentadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.172	72.50 ng	34531600	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Hexadecane	226	C16H34	000544-76-3	91
5	Tetradecane	198	C14H30	000629-59-4	91





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Operator : RC/JU
Sample : Q2161-02
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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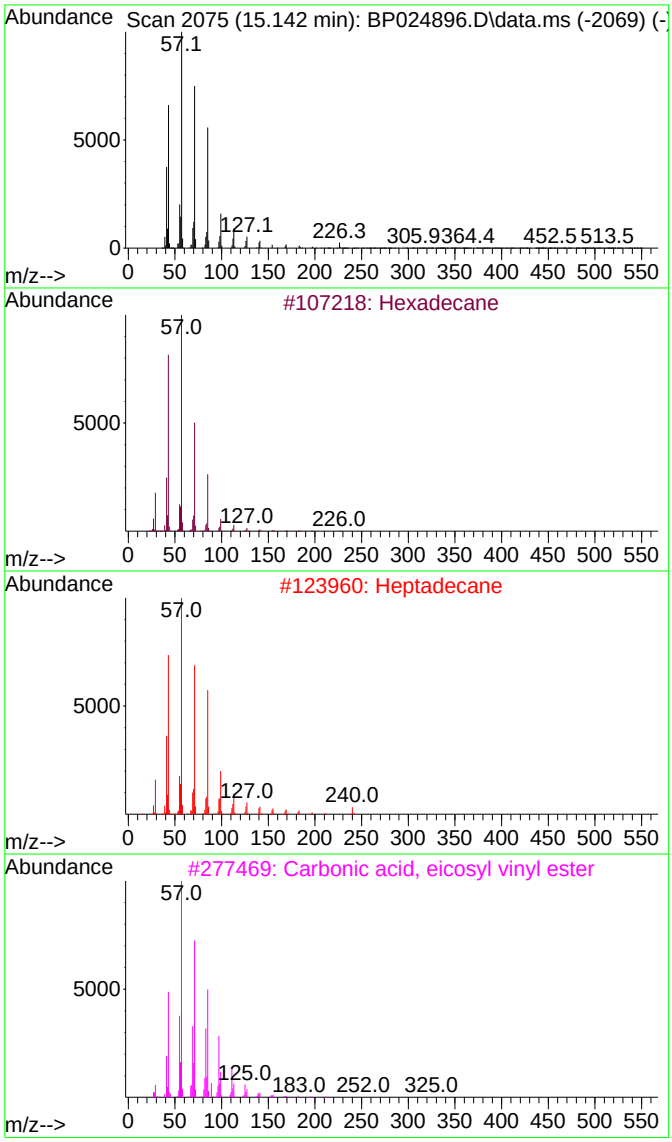
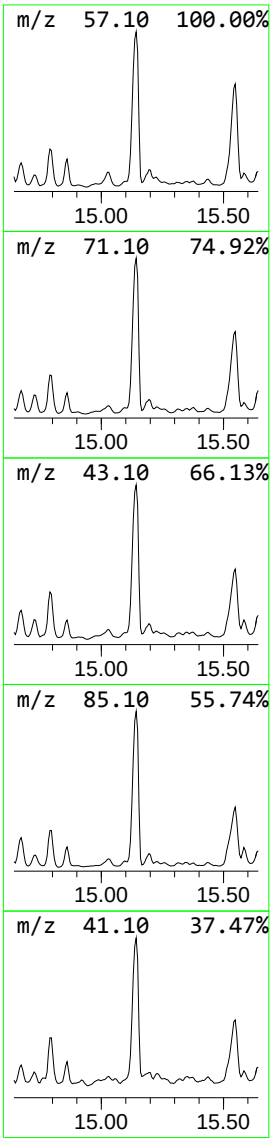
Peak Number 5 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.142	71.44 ng	34025000	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Heptadecane	240	C17H36	000629-78-7	91
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	90
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1010309-12-5	90
5	Nonadecane	268	C19H40	000629-92-5	90





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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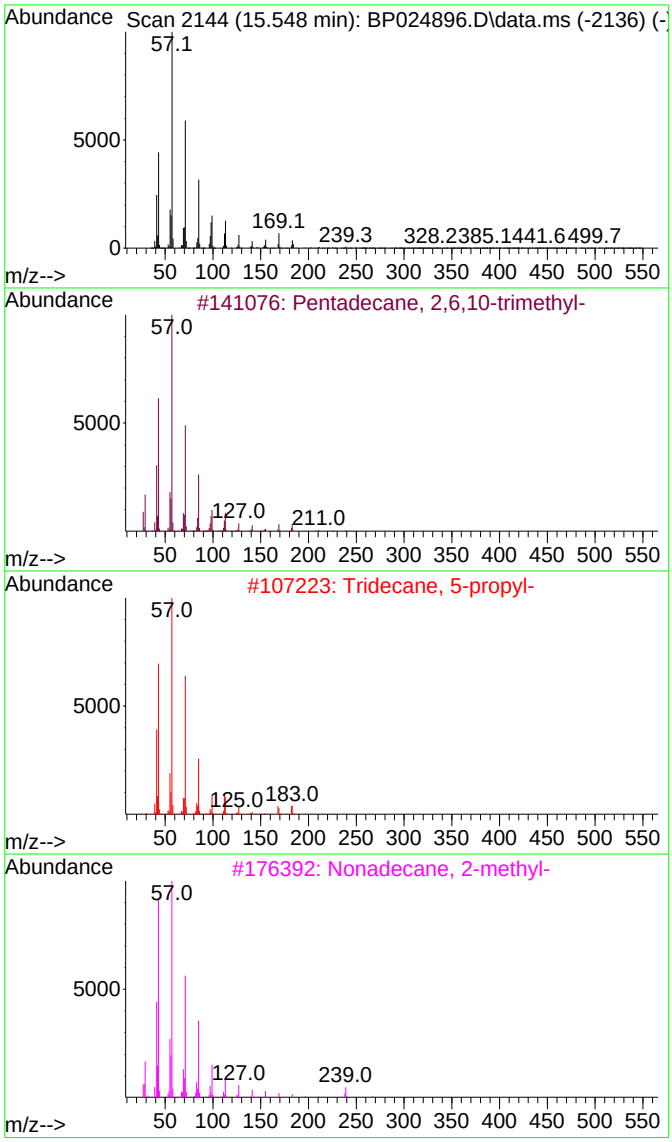
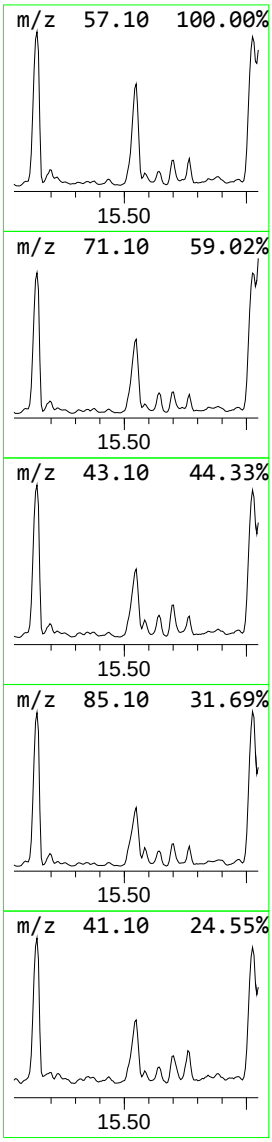
Peak Number 6 Pentadecane, 2,6,10-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	49.03 ng	23353600	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	94
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	80
4	Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	70
5	Dodecane	170	C12H26	000112-40-3	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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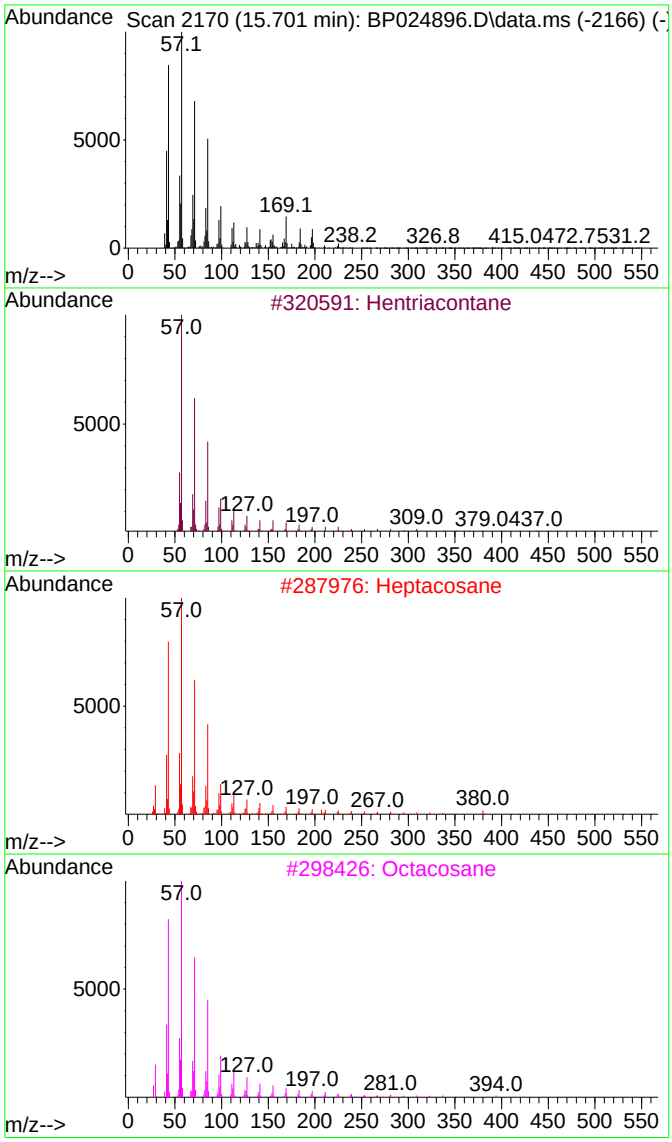
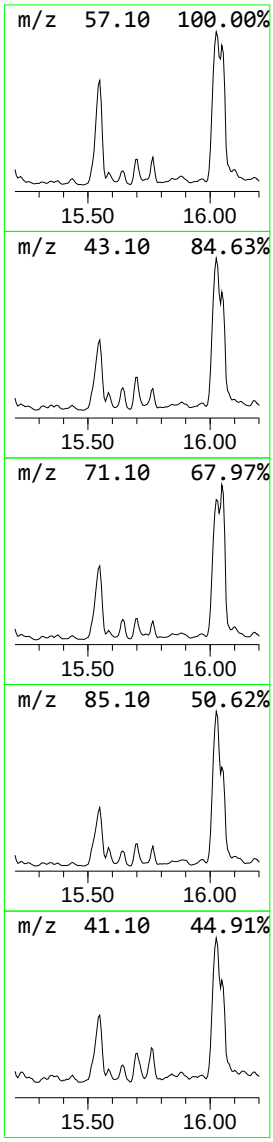
Peak Number 7 Hentriacontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.701	37.46 ng	8868410	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	87
2	Heptacosane	380	C27H56	000593-49-7	87
3	Octacosane	394	C28H58	000630-02-4	87
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	87
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	83





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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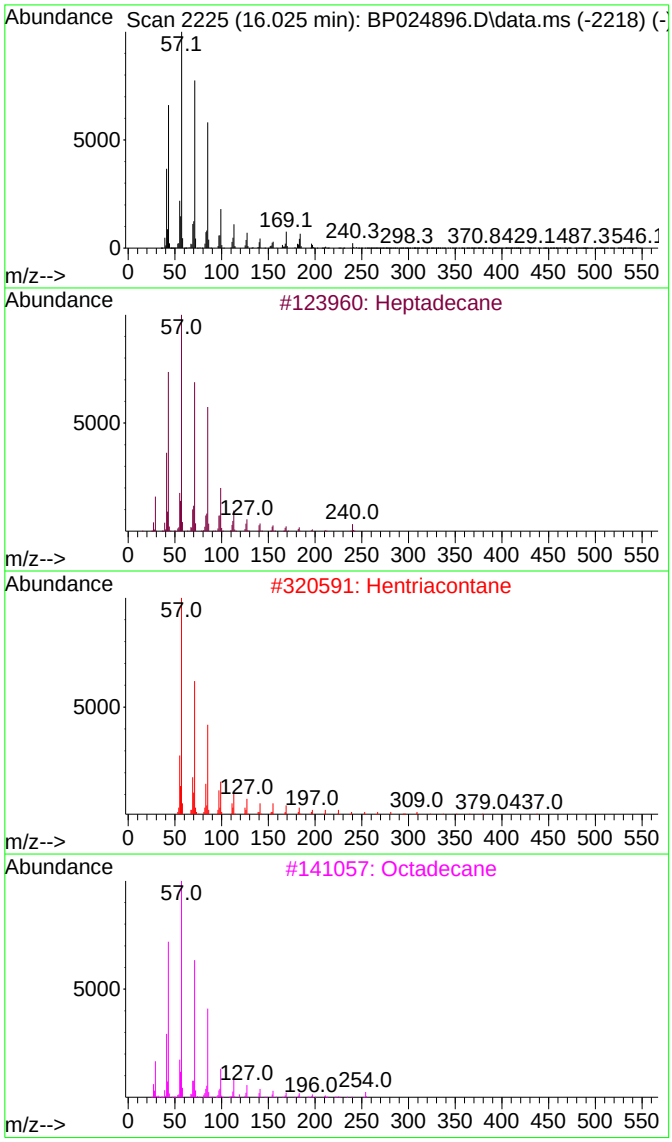
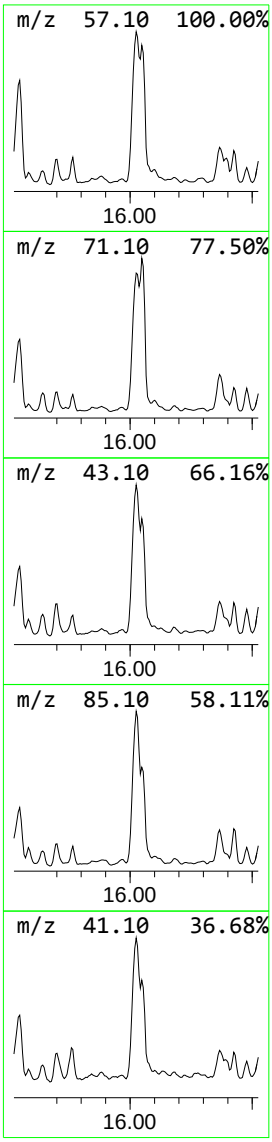
Peak Number 8 Heptadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.025	210.68 ng	49879900	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	98
2	Hentriacontane	437	C31H64	000630-04-6	90
3	Octadecane	254	C18H38	000593-45-3	87
4	Tridecane	184	C13H28	000629-50-5	87
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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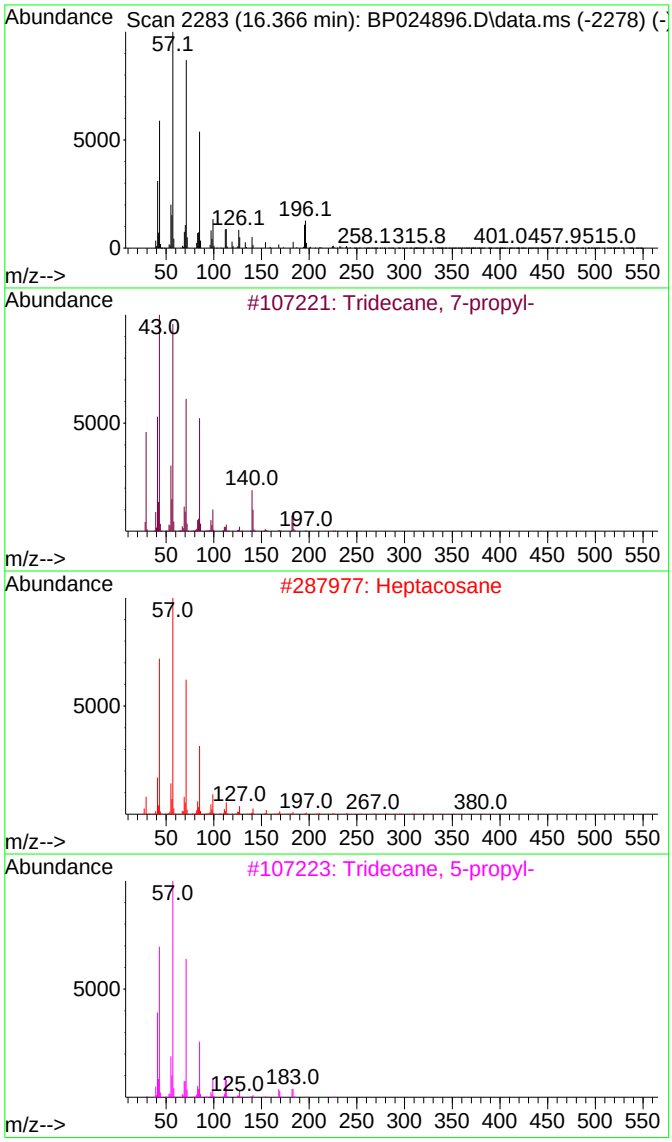
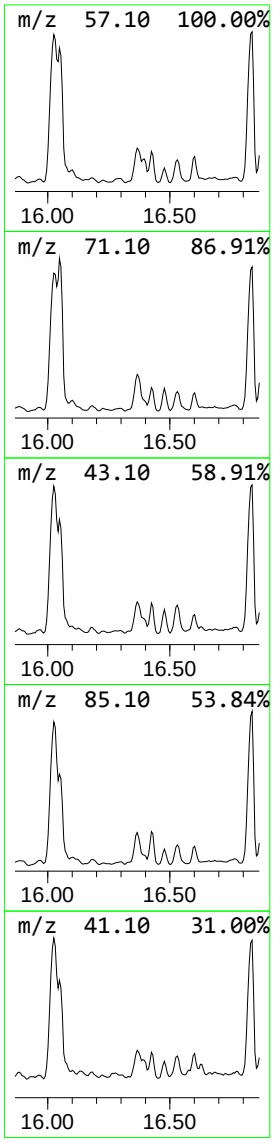
Peak Number 9 Tridecane, 7-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.366	32.35 ng	7658000	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	68
2	Heptacosane	380	C27H56	000593-49-7	59
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	58
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5	Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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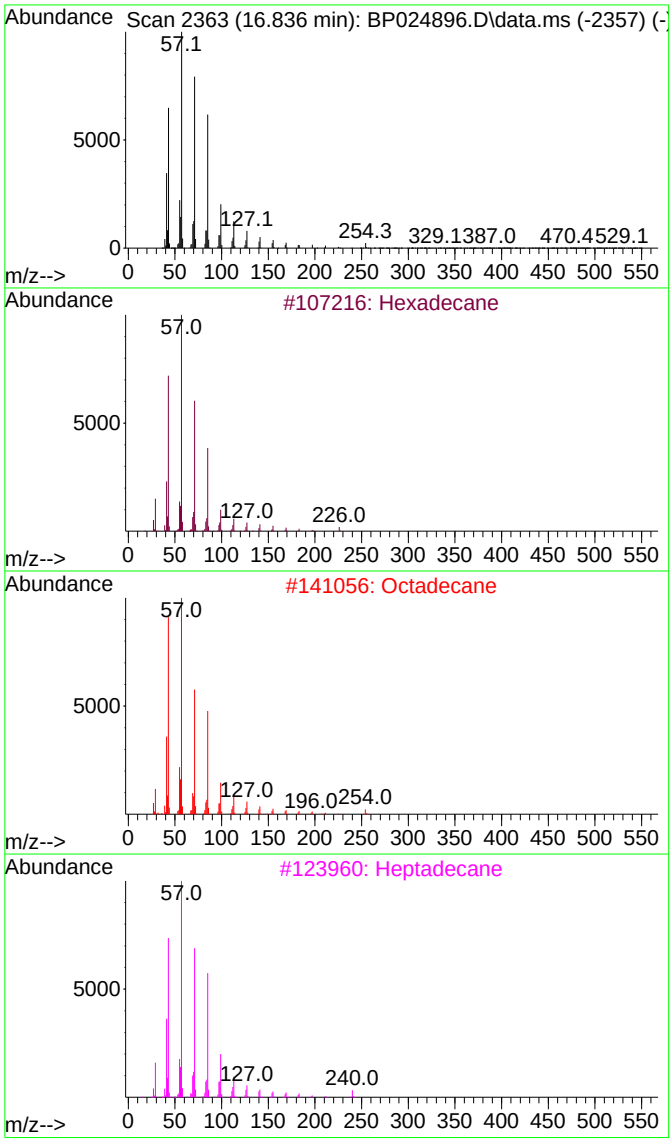
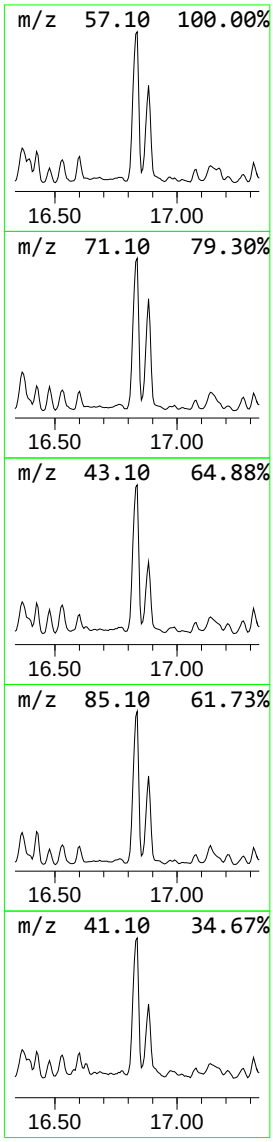
Peak Number 10 Octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.836	139.33 ng	32986700	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Octadecane	254	C18H38	000593-45-3	95
3	Heptadecane	240	C17H36	000629-78-7	91
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	91
5	Heneicosane	296	C21H44	000629-94-7	91





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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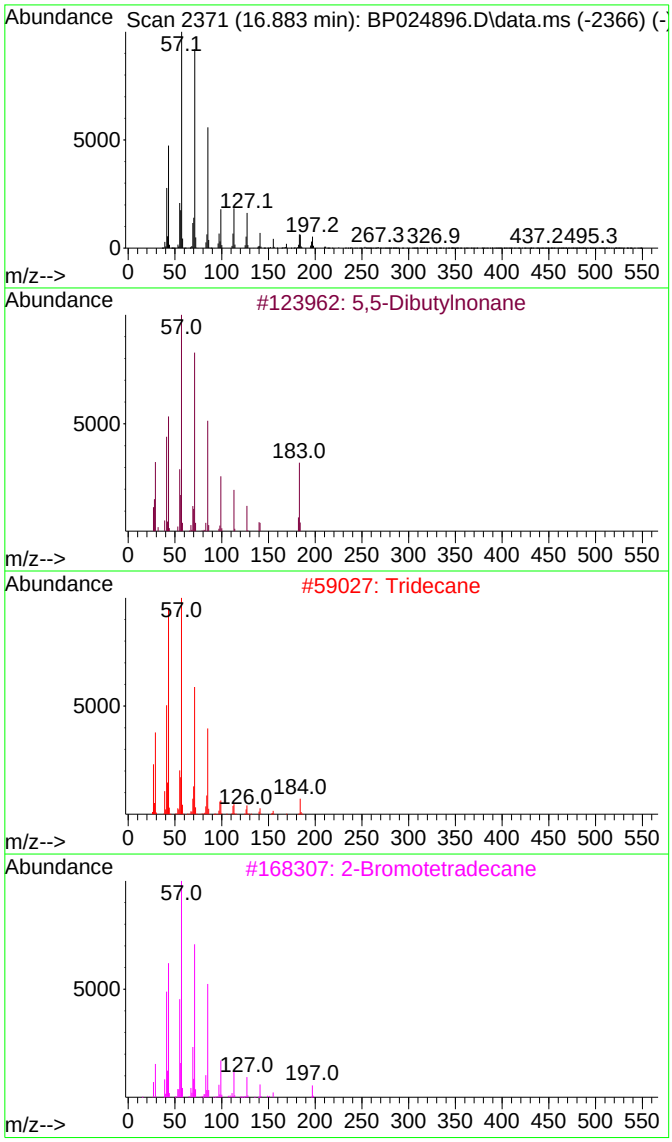
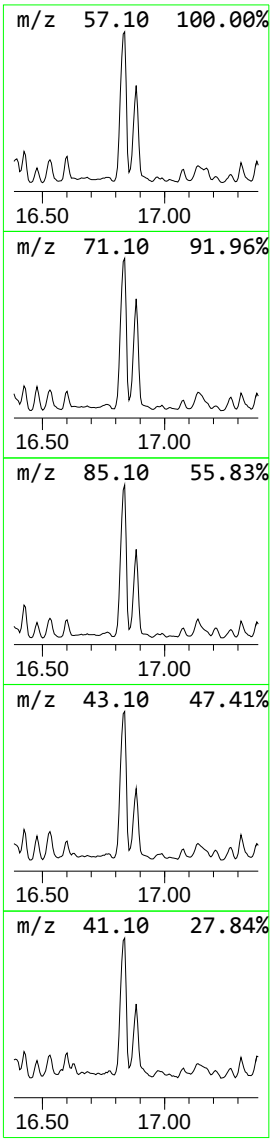
Peak Number 11 5,5-Dibutylnonane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.883	102.37 ng	24237100	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dibutylnonane	240	C17H36	006008-17-9	87
2	Tridecane	184	C13H28	000629-50-5	87
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Hexacosane	366	C26H54	000630-01-3	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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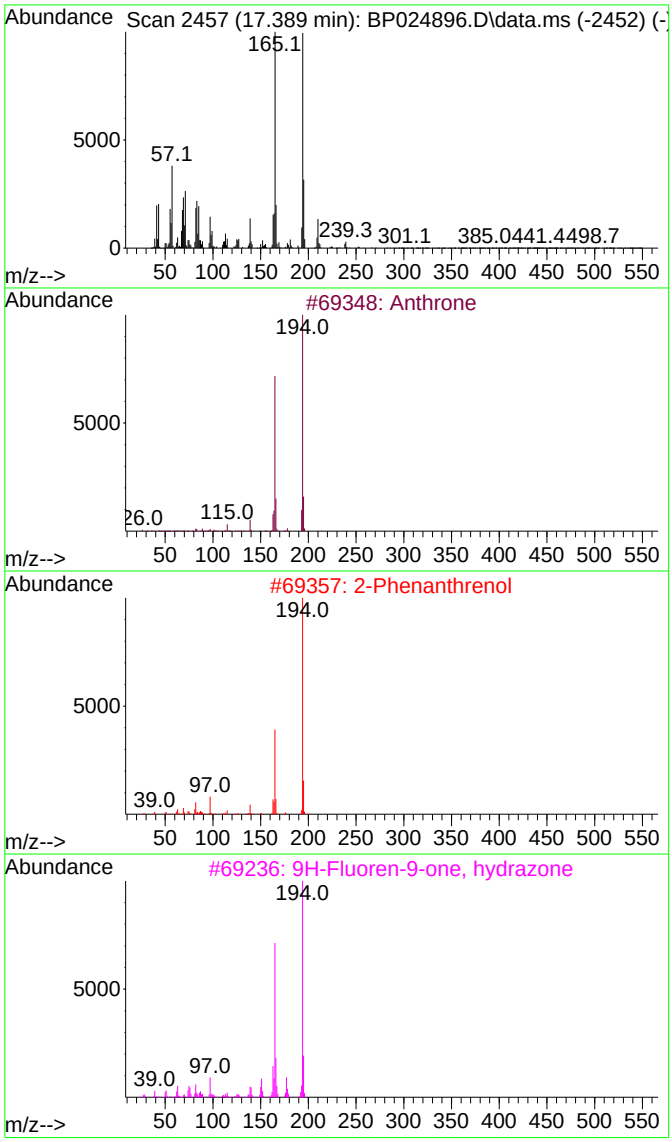
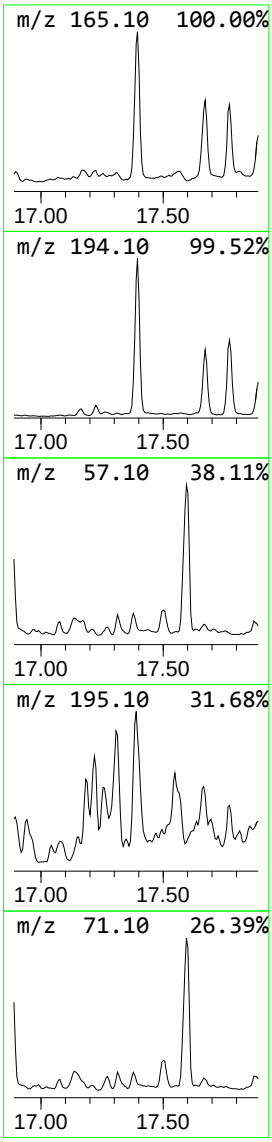
Peak Number 12 Anthrone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.389	40.77 ng	9652730	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	81
2	2-Phenanthrenol	194	C14H10O	000605-55-0	81
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	80
4	1-Phenanthrenol	194	C14H10O	002433-56-9	76
5	3-Phenanthrol	194	C14H10O	000605-87-8	74





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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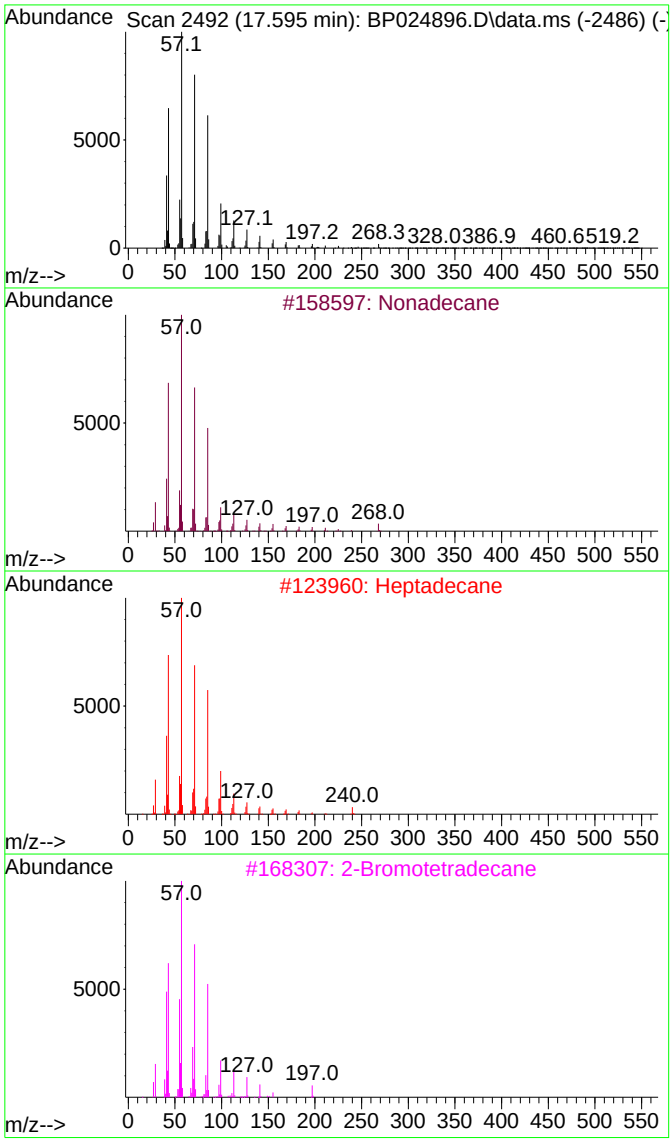
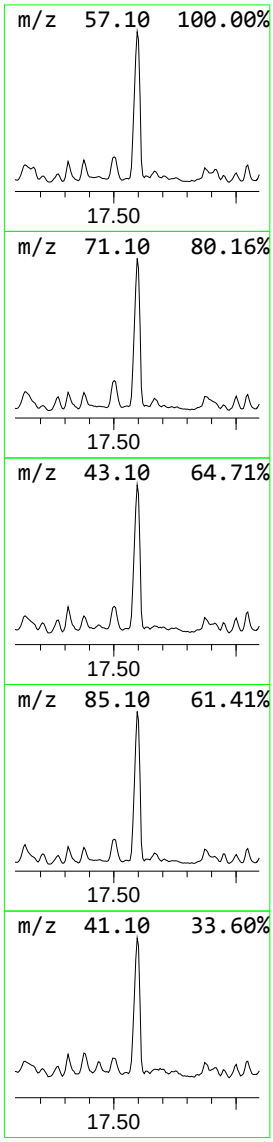
Peak Number 13 Nonadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.595	148.02 ng	35044300	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Heptadecane	240	C17H36	000629-78-7	91
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	90
4	Octadecane	254	C18H38	000593-45-3	87
5	Hexadecane	226	C16H34	000544-76-3	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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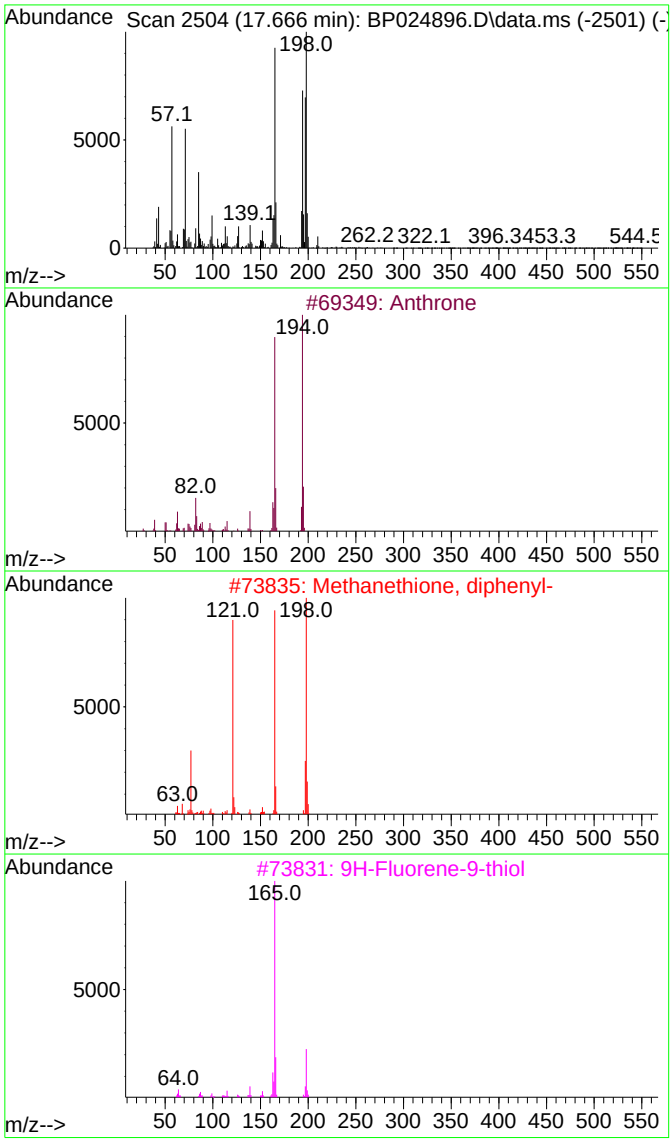
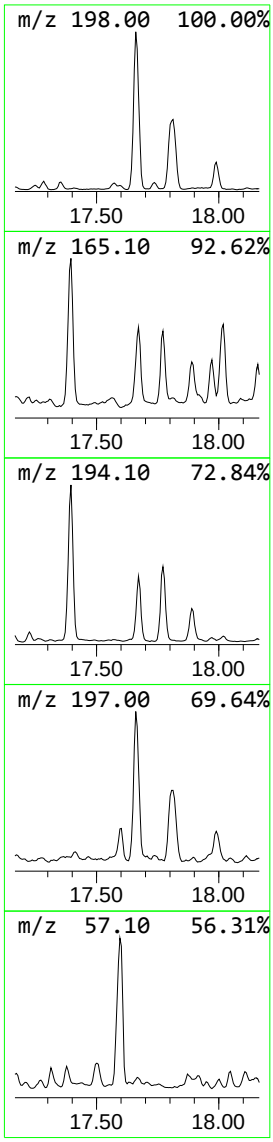
Peak Number 14 unknown17.666 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.666	30.31 ng	7176030	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	83
2	Methanethione, diphenyl-	198	C13H10S	001450-31-3	46
3	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	46
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	42
5	3-Phenanthrol	194	C14H10O	000605-87-8	42





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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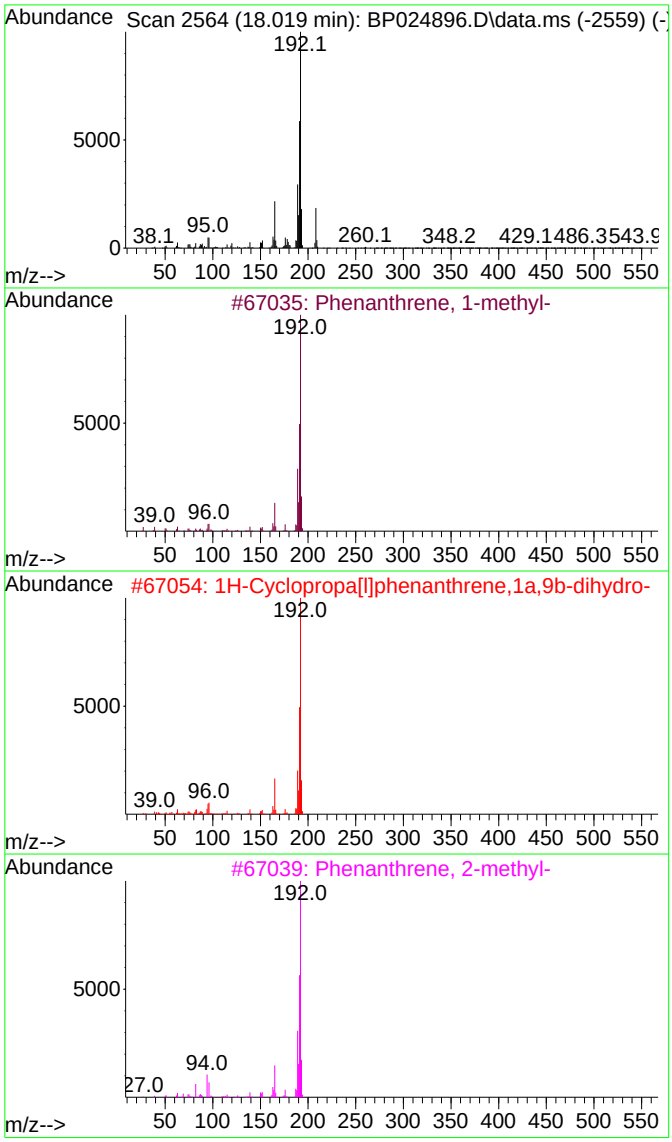
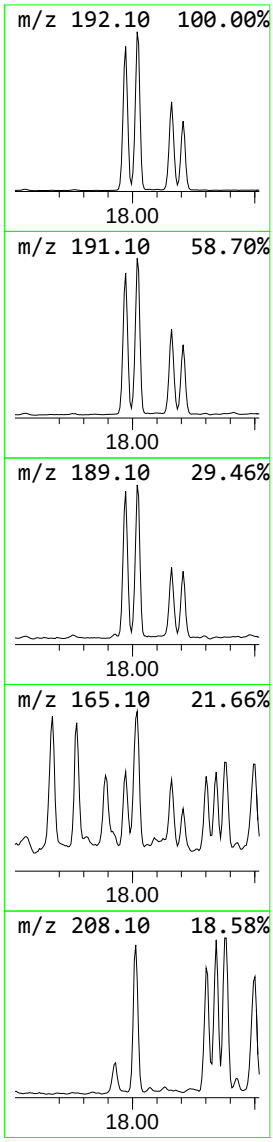
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.019	32.88 ng	7784890	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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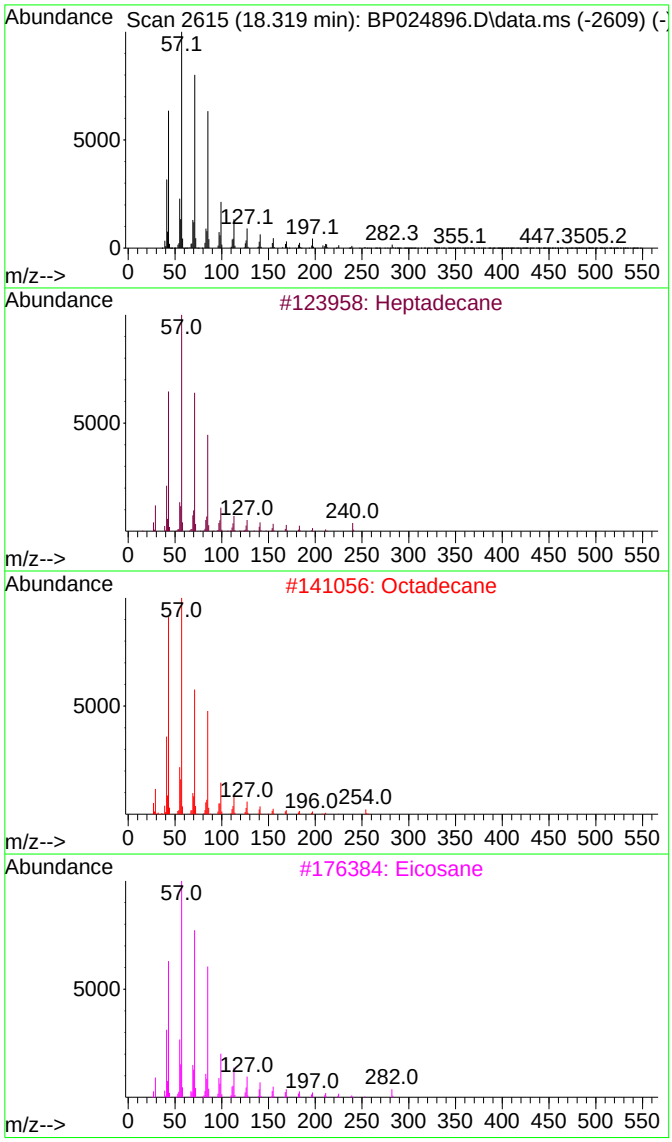
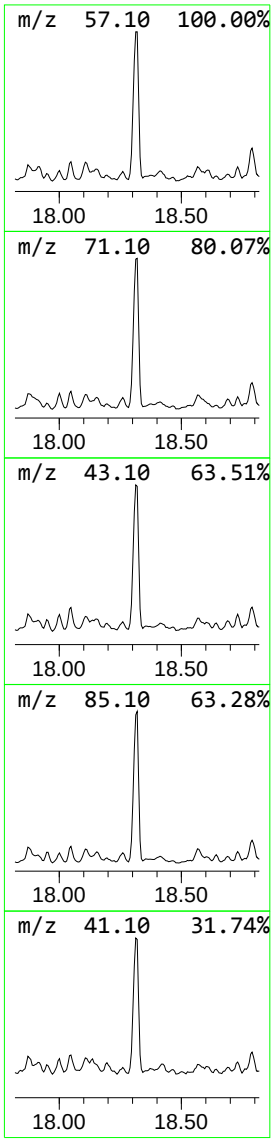
Peak Number 16 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.319	136.79 ng	32385300	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Octadecane	254	C18H38	000593-45-3	91
3	Eicosane	282	C20H42	000112-95-8	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Nonadecane	268	C19H40	000629-92-5	87





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Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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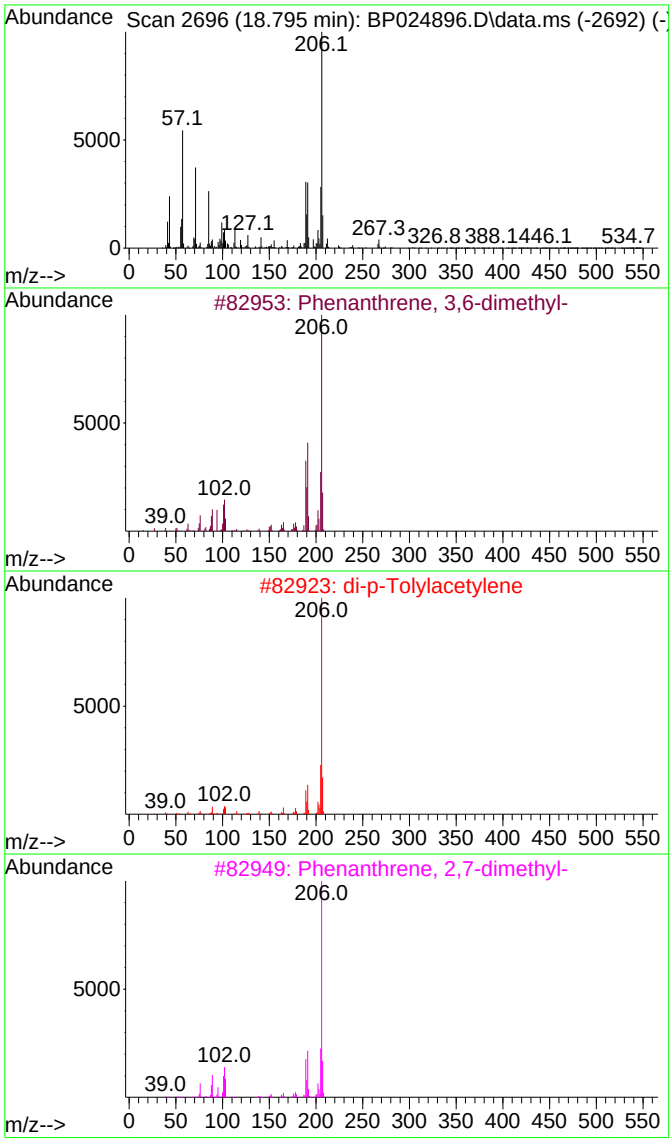
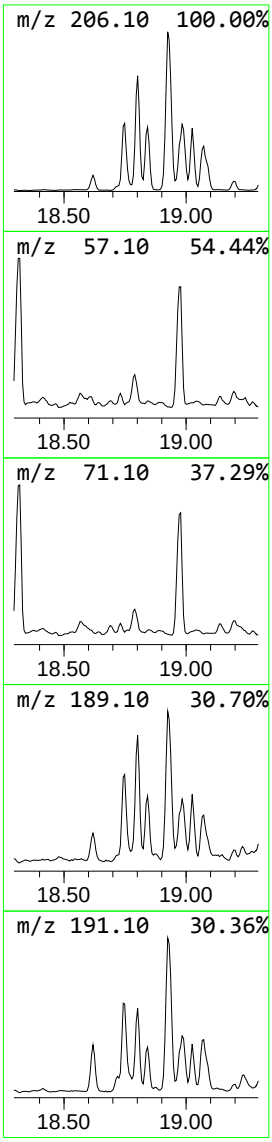
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.795	29.99 ng	7101020	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	59





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Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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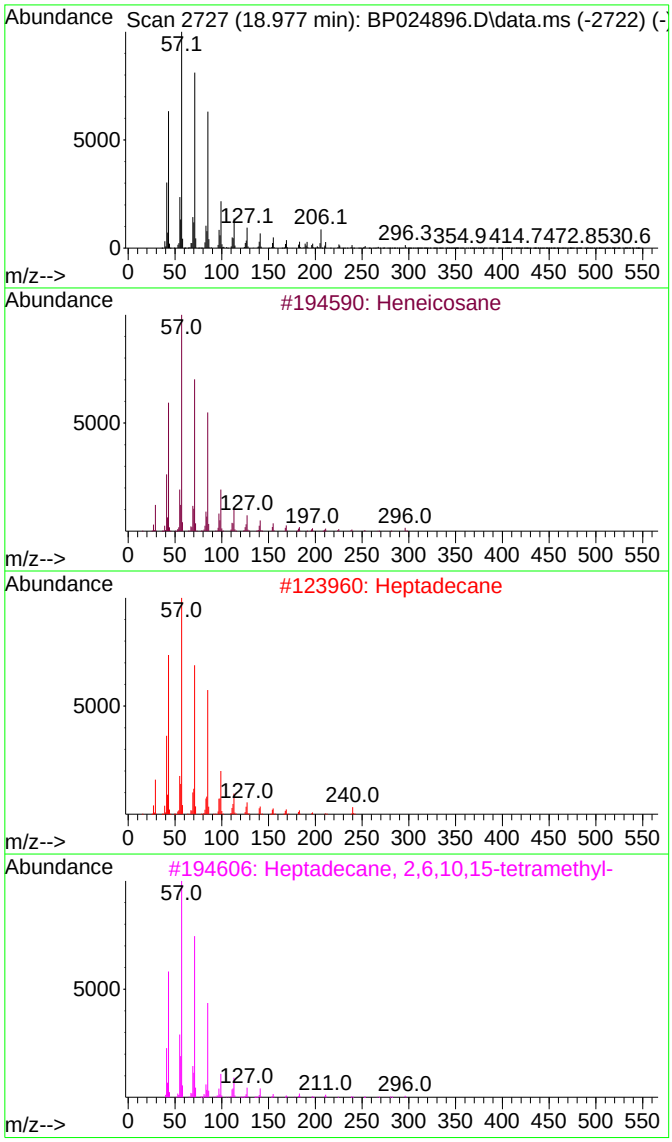
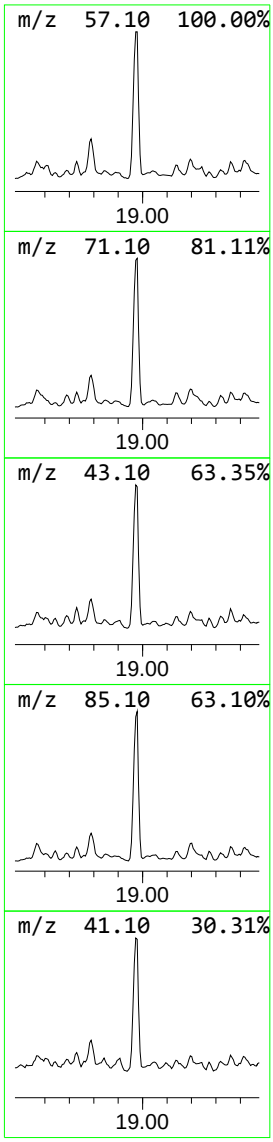
Peak Number 18 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.977	105.03 ng	24866300	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	99
2	Heptadecane	240	C17H36	000629-78-7	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
4	Eicosane	282	C20H42	000112-95-8	91
5	Hexacosane	366	C26H54	000630-01-3	90





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Data File : BP024896.D
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Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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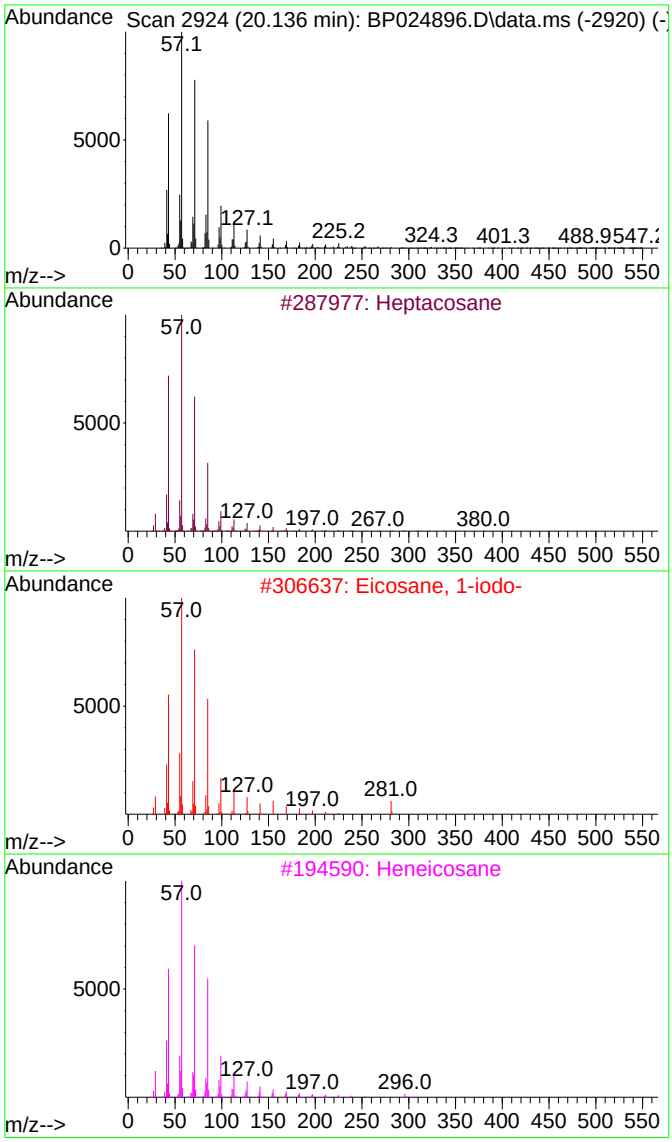
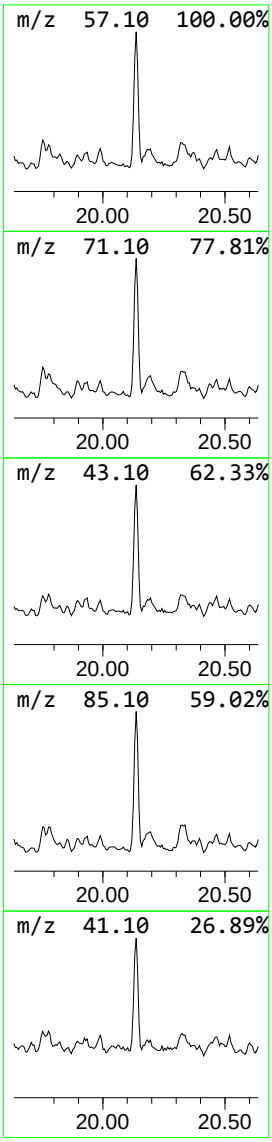
Peak Number 19 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.136	62.84 ng	11560500	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	90





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Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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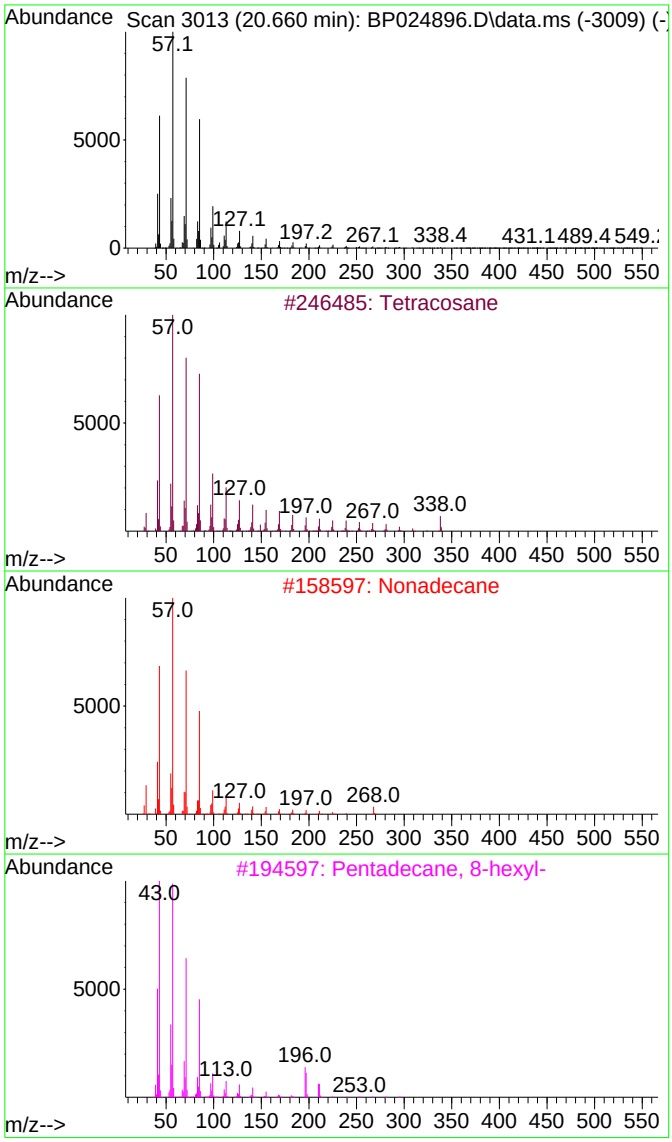
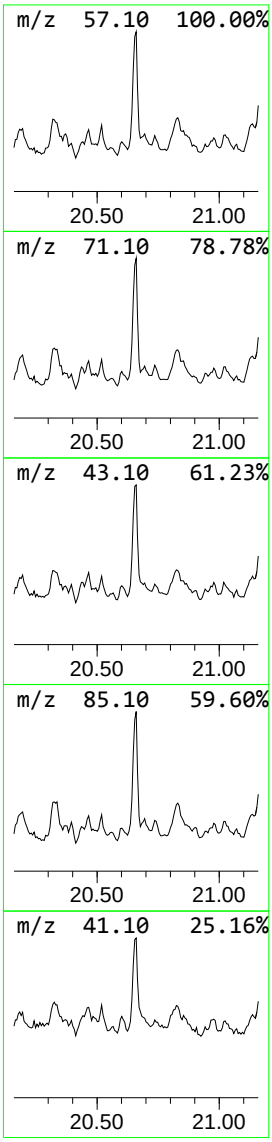
Peak Number 20 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.660	36.37 ng	6690830	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4	2-Methyltetracosane	352	C25H52	001560-78-7	93
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024896.D
Acq On : 10 Jun 2025 16:27
Operator : RC/JU
Sample : Q2161-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B28-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	45.1	ng	3162400	1	7.607	1403180	20.0
Tridecane	11.813	45.2	ng	13510600	2	10.378	5973250	20.0
Carbonic acid, ...	13.742	33.8	ng	16089500	3	14.254	9525420	20.0
Pentadecane	14.172	72.5	ng	34531600	3	14.254	9525420	20.0
Hexadecane	15.142	71.4	ng	34025000	3	14.254	9525420	20.0
Pentadecane, 2,...	15.548	49.0	ng	23353600	3	14.254	9525420	20.0
Hentriacontane	15.701	37.5	ng	8868410	4	17.060	4735150	20.0
Heptadecane	16.025	210.7	ng	49879900	4	17.060	4735150	20.0
Tridecane, 7-pr...	16.366	32.4	ng	7658000	4	17.060	4735150	20.0
Octadecane	16.836	139.3	ng	32986700	4	17.060	4735150	20.0
5,5-Dibutylnonane	16.883	102.4	ng	24237100	4	17.060	4735150	20.0
Anthrone	17.389	40.8	ng	9652730	4	17.060	4735150	20.0
Nonadecane	17.595	148.0	ng	35044300	4	17.060	4735150	20.0
unknown17.666	17.666	30.3	ng	7176030	4	17.060	4735150	20.0
Phenanthrene, 1...	18.019	32.9	ng	7784890	4	17.060	4735150	20.0
Eicosane	18.319	136.8	ng	32385300	4	17.060	4735150	20.0
Phenanthrene, 3...	18.795	30.0	ng	7101020	4	17.060	4735150	20.0
Heneicosane	18.977	105.0	ng	24866300	4	17.060	4735150	20.0
Heptacosane	20.136	62.8	ng	11560500	5	21.495	3679060	20.0
Tetracosane	20.660	36.4	ng	6690830	5	21.495	3679060	20.0