LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

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_F\METHODS\8270-BF081320.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	5.322	546	550	567	rVB	2142699	2223693	31.01%	1.329%
2	6.363	722	727	733	rBV	1988298	2227127	31.05%	1.331%
3	6.722	784	788	795	rBV	624846	557003	7.77%	0.333%
4	7.286	877	884	887	rBV	1850194	1592641	22.21%	0.952%
5	8.004	1001	1006	1009	rBV	949917	902972	12.59%	0.540%
6	8.722	1120	1128	1135	rVB3	694406	980286	13.67%	0.586%
7	9.080	1186	1189	1192	rVV	3053302	2641968	36.84%	1.579%
8	9.163	1199	1203	1206	rBV	533349	605155	8.44%	0.362%
9	9.422	1245	1247	1252	rVV	730638	792393	11.05%	0.474%
10	9.469	1252	1255	1260	rVV4	526634	832058	11.60%	0.497%
11	9.574	1269	1273	1276	rVV3	328804	495608	6.91%	0.296%
12	9.639	1277	1284	1287	rVV	1807550	2118580	29.54%	1.266%
13	9.692	1291	1293	1296	rVV	411497	466435	6.50%	0.279%
14	9.757	1298	1304	1306	rVV	1143437	1401339	19.54%	0.838%
15	9.786	1306	1309	1312	rVV	943052	1016128	14.17%	0.607%
16	9.833	1315	1317	1319	rVV	673374	693554	9.67%	0.415%
17	9.869	1319	1323	1329	rVB	2166835	2707127	37.75%	1.618%
18	9.922	1329	1332	1335	rBV2	1004646	1111316	15.50%	0.664%
19	9.974	1338	1341	1344	rVV	643232	681544	9.50%	0.407%
20	10.074	1356	1358	1365	rBV3	444749	540231	7.53%	0.323%
21	10.545	1434	1438	1442	rVV2	1455054	1419058	19.79%	0.848%
22	10.674	1456	1460	1463	rVV	3078321	3393705	47.32%	2.028%
23	10.710	1464	1466	1469	rVV	621209	735811	10.26%	0.440%
24	10.733	1469	1470	1475	rVV	401311	501648	6.99%	0.300%
25	10.810	1479	1483	1487	rVV	1641711	1794819	25.03%	1.073%
26	10.851	1487	1490	1491	rVV	1188195	1192960	16.63%	0.713%
27	10.874	1491	1494	1499	rVV2	3265997	4580964	63.87%	2.738%
28	10.939	1502	1505	1507	rVV	1918734	2258100	31.48%	1.350%
29	10.974	1507	1511	1513	rVV	1620993	2129287	29.69%	1.273%
30	10.998	1513	1515	1517	rVV2	489016	522213	7.28%	0.312%
31	11.027	1517	1520	1522	rVV	1172227	1304297	18.19%	0.780%
32	11.051	1522	1524	1526	rVV	464451	543414	7.58%	0.325%
33	11.074	1526	1528	1531	rVV	1282542	1099325	15.33%	0.657%
34	11.139	1536	1539	1544	rVB2	362332	584673	8.15%	0.349%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

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_F\METHODS\8270-BF081320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.239	1553	1556	1559	rBV	1009054	819346	11.42%	0.490%
36	11.521	1600	1604	1606	rBV	473870	578046	8.06%	0.346%
37	11.598	1614	1617	1620	rBV	3406921	3459090	48.23%	2.068%
38	11.627	1620	1622	1624	rVB	748869	601153	8.38%	0.359%
39	11.721	1635	1638	1640	rVV	1314939	1312936	18.31%	0.785%
40	11.774	1640	1647	1654	rVV	3294477	6834744	95.30%	4.085%
41	11.827	1654	1656	1660	rVV2	1356695	1926107	26.86%	1.151%
42	11.863	1660	1662	1665	rVV2	1094440	1589708	22.17%	0.950%
43	11.892	1665	1667	1669	rVV	832779	989899	13.80%	0.592%
44	11.916	1669	1671	1674	rVV	1065417	1407135	19.62%	0.841%
45	11.951	1674	1677	1681	rVB2	1300799	1748974	24.39%	1.045%
46	12.004	1682	1686	1690	rVB	793730	940151	13.11%	0.562%
47	12.292	1733	1735	1738	rVV	486677	687150	9.58%	0.411%
48	12.333	1740	1742	1747	rVV	641607	833914	11.63%	0.498%
49	12.427	1754	1758	1761	rVV	3194749	3970396	55.36%	2.373%
50	12.457	1761	1763	1768	rVV	1169140	1574343	21.95%	0.941%
51	12.551	1775	1779	1782	rVV	1481108	2228815	31.08%	1.332%
52	12.586	1782	1785	1791	rVV2	3342307	6078376	84.75%	3.633%
53	12.639	1791	1794	1796	rVV	1778299	2399849	33.46%	1.434%
54	12.674	1796	1800	1803	rVV3	1421791	3037939	42.36%	1.816%
55	12.710	1803	1806	1808	rVV	1992266	2947922	41.10%	1.762%
56	12.727	1808	1809	1814	rVV3	1859082	2347137	32.73%	1.403%
57	12.768	1814	1816	1818	rVV	969666	1033231	14.41%	0.618%
58	12.827	1818	1826	1830	rVV2	3107487	5393343	75.20%	3.224%
59	12.886	1833	1836	1840	rVB	517037	472190	6.58%	0.282%
60	12.927	1840	1843	1847	rVB	722753	635070	8.85%	0.380%
61	13.057	1862	1865	1871	rVB	1621995	1578351	22.01%	0.943%
62	13.186	1883	1887	1889	rBV	2700553	2923495	40.76%	1.747%
63	13.274	1898	1902	1903	rBV2	391122	508388	7.09%	0.304%
64	13.298	1903	1906	1908	rVV	1846561	2334510	32.55%	1.395%
65	13.327	1908	1911	1913	rVV	2870679	3549373	49.49%	2.122%
66	13.380	1917	1920	1921	rVV2	1081309	1188130	16.57%	0.710%
67	13.404	1921	1924	1927	rVV	2561051	3116300	43.45%	1.863%
68	13.433	1927	1929	1933	rVV3	1188480	2155734	30.06%	1.289%
69	13.486	1936	1938	1941	rVV	761075	1014570	14.15%	0.606%
70	13.521	1941	1944	1947	rVV	925678	1133190	15.80%	0.677%
71	13.568	1950	1952	1955	rVV	503097	472370	6.59%	0.282%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.610	1955	1959	1961	rVV	502159	589106	8.21%	0.352%
73	13.633	1961	1963	1968	rVB3	430015	567005	7.91%	0.339%
74	13.733	1975	1980	1984	rBV	2297139	2473298	34.49%	1.478%
75	13.874	1999	2004	2007	rBV2	2458135	3151976	43.95%	1.884%
76	13.980	2017	2022	2024	rBV3	731129	1145880	15.98%	0.685%
77	14.004	2024	2026	2029	rVV	1917169	2184655	30.46%	1.306%
78	14.051	2031	2034	2037	rVB	2200836	2211573	30.84%	1.322%
79	14.086	2037	2040	2042	rBV	634886	852290	11.88%	0.509%
80	14.151	2049	2051	2054	rVB	560283	572311	7.98%	0.342%
81	14.186	2054	2057	2059	rVB	591790	550356	7.67%	0.329%
82	14.262	2068	2070	2076	rVB3	578301	673008	9.38%	0.402%
83	14.351	2081	2085	2091	rVB	2456782	2801878	39.07%	1.675%
84	14.515	2110	2113	2116	rVV	1540940	1838710	25.64%	1.099%
85	14.539	2116	2117	2121	rVB	764599	598654	8.35%	0.358%
86	14.639	2126	2134	2141	rBV4	2775307	7171994	100.00%	4.287%
87	14.715	2144	2147	2149	rBV	445047	575911	8.03%	0.344%
88	14.968	2186	2190	2197	rVB	1862866	2375821	33.13%	1.420%
89	15.198	2225	2229	2232	rBV	1038459	1412290	19.69%	0.844%
90	15.227	2232	2234	2240	rVB	500580	625107	8.72%	0.374%
91	15.292	2241	2245	2247	rBV	545956	806152	11.24%	0.482%
92	15.327	2247	2251	2253	rBV	1220657	1663673	23.20%	0.994%
93	15.462	2269	2274	2277	rBV2	343652	670205	9.34%	0.401%
94	15.733	2315	2320	2327	rVB	1016952	1697120	23.66%	1.014%
95	16.074	2374	2378	2383	rBV	590479	829270	11.56%	0.496%
96	16.203	2393	2400	2406	rBV3	744572	1821224	25.39%	1.089%
97	16.274	2406	2412	2417	rVV	822103	1549550	21.61%	0.926%
98	17.227	2567	2574	2576	rBV3	381596	827707	11.54%	0.495%
99	17.550	2621	2629	2636	rBV2	516251	1456978	20.31%	0.871%
100	18.880	2842	2855	2863	rVB3	241117	1141003	15.91%	0.682%

Sum of corrected areas: 167303512

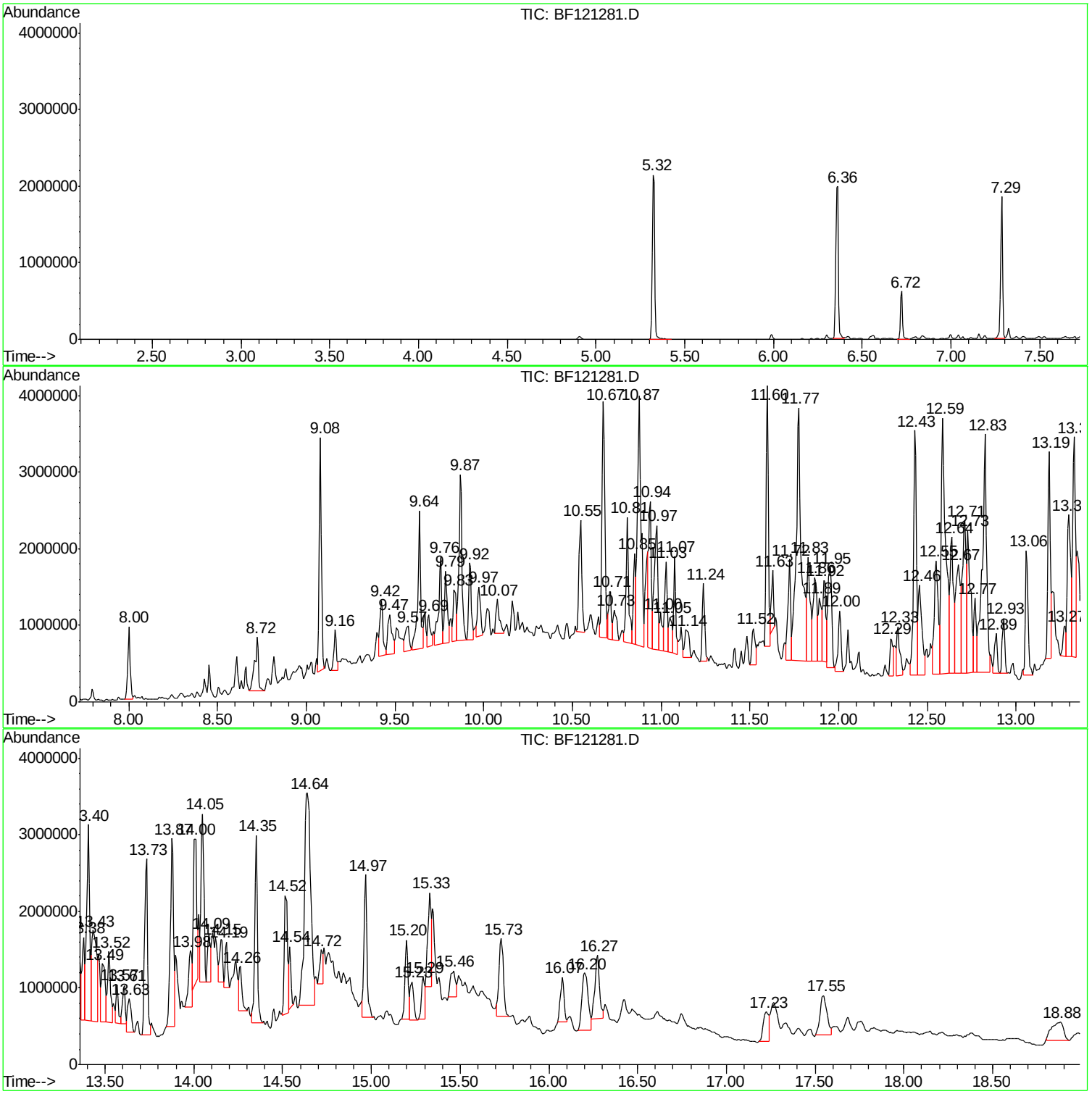
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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 F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
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Sample : L3660-06
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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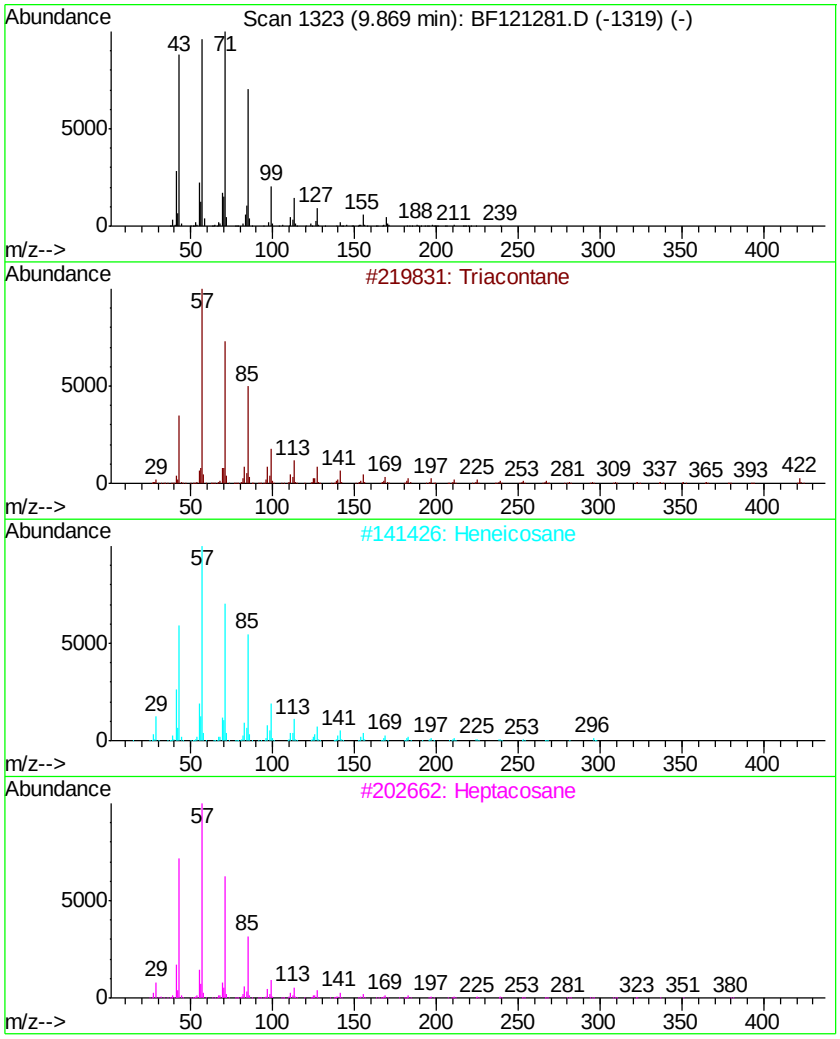
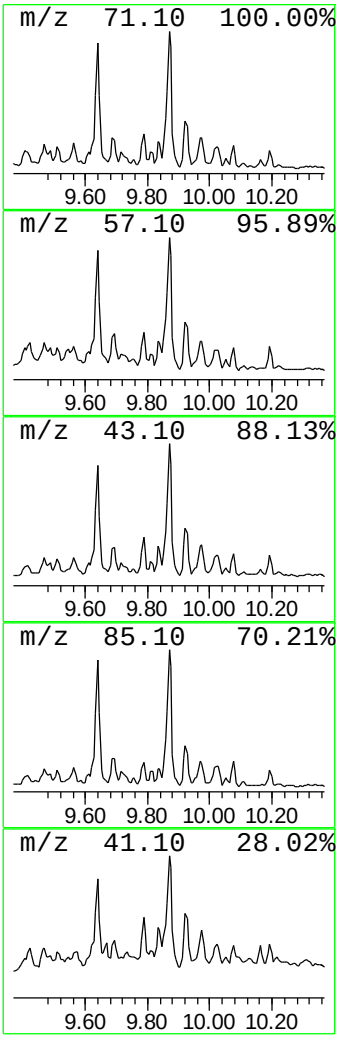
Peak Number 1 Triacontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	38.64 ng	2707130	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	83
2	Heneicosane	296	C21H44	000629-94-7	83
3	Heptacosane	380	C27H56	000593-49-7	80
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	64
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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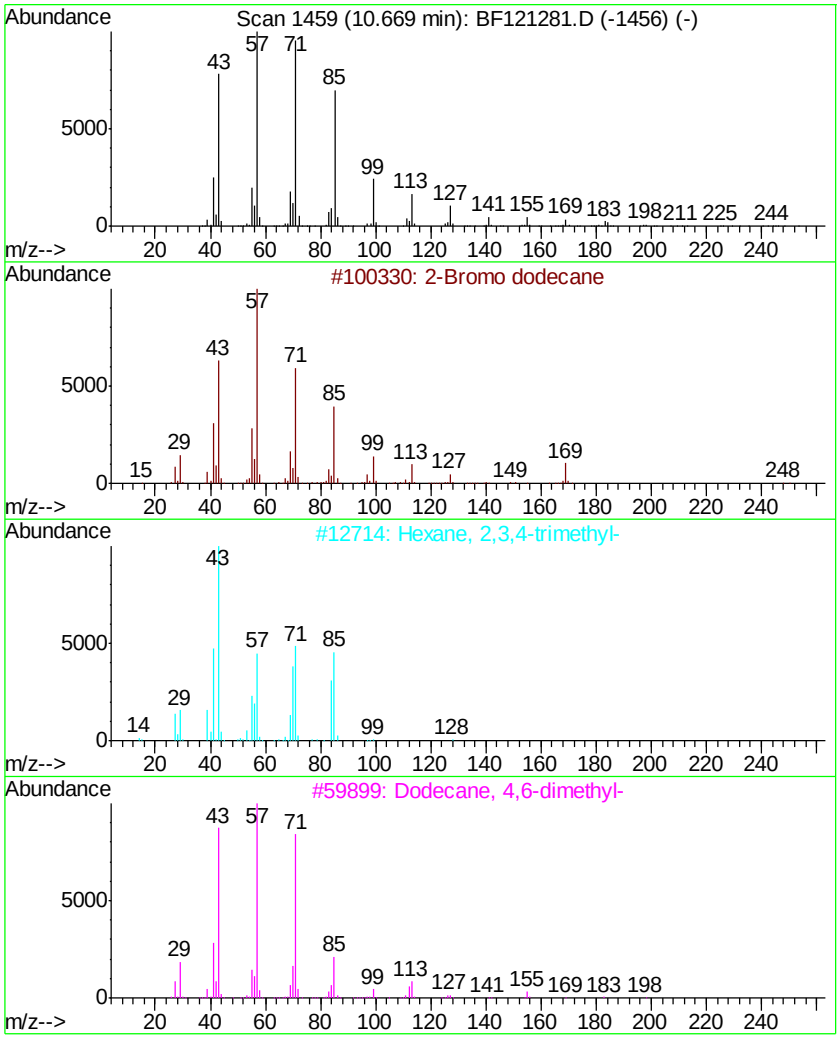
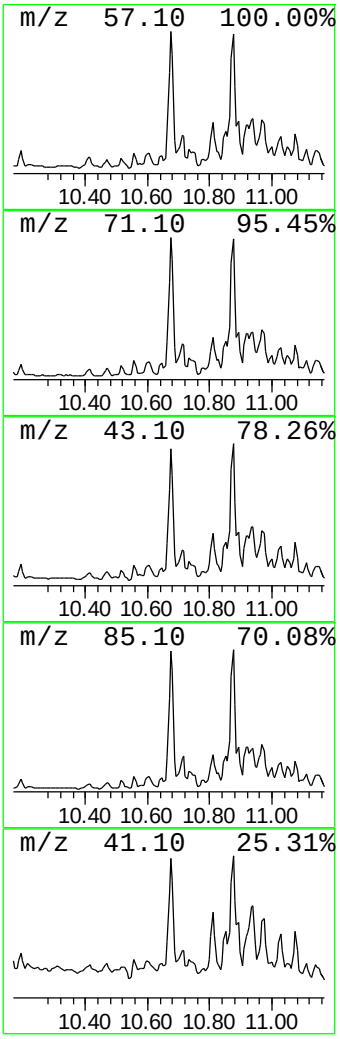
Peak Number 2 2-Bromo dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	82.84 ng	3393710	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
4	Decane, 5-propyl-	184	C13H28	017312-62-8	49
5	Heneicosane	296	C21H44	000629-94-7	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
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Sample : L3660-06
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Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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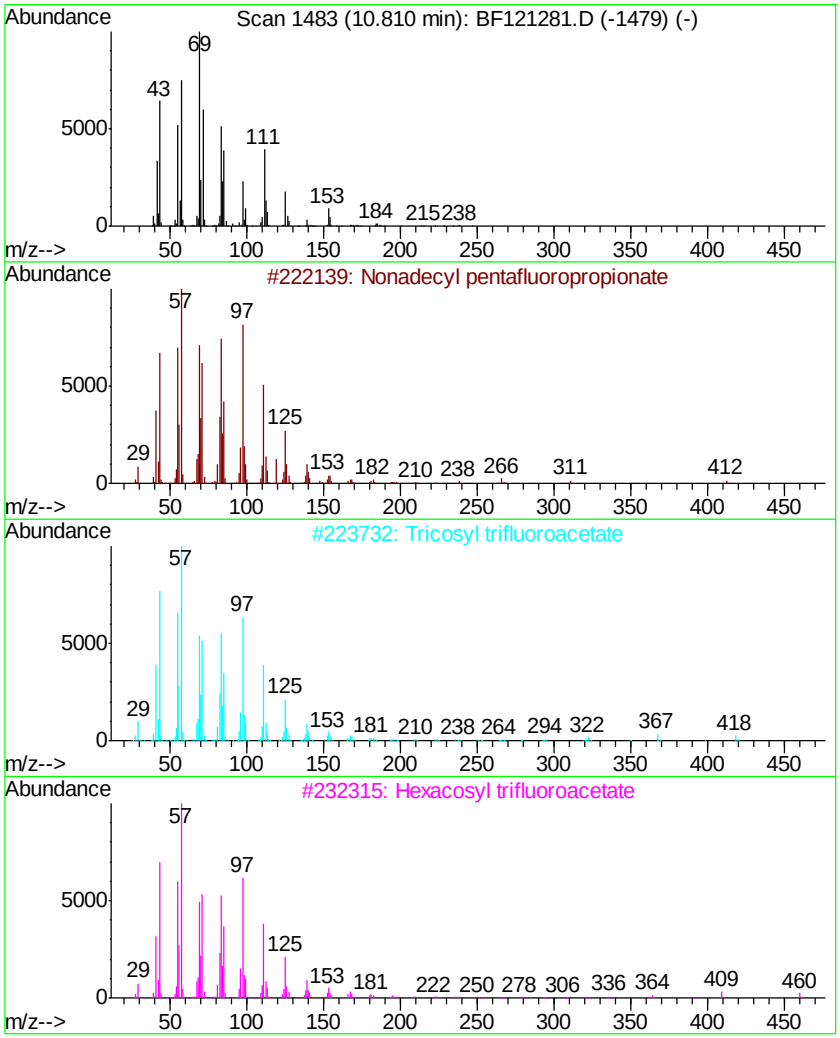
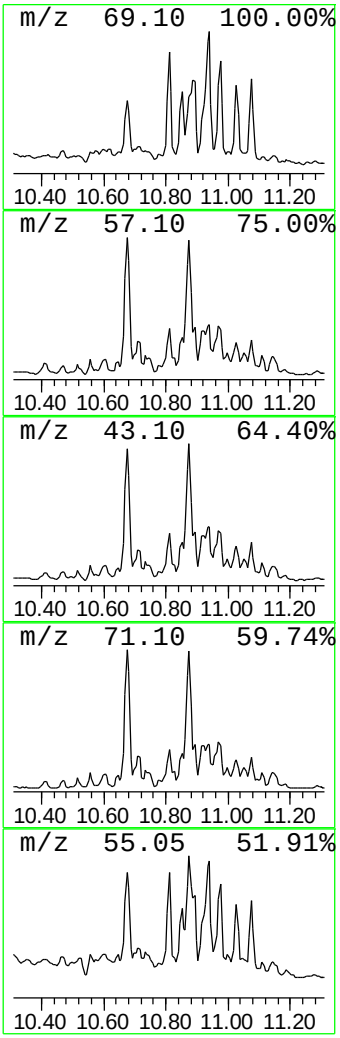
Peak Number 3 Nonadecyl pentafluoropropio... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	43.81 ng	1794820	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	52
2	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	47
3	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	47
4	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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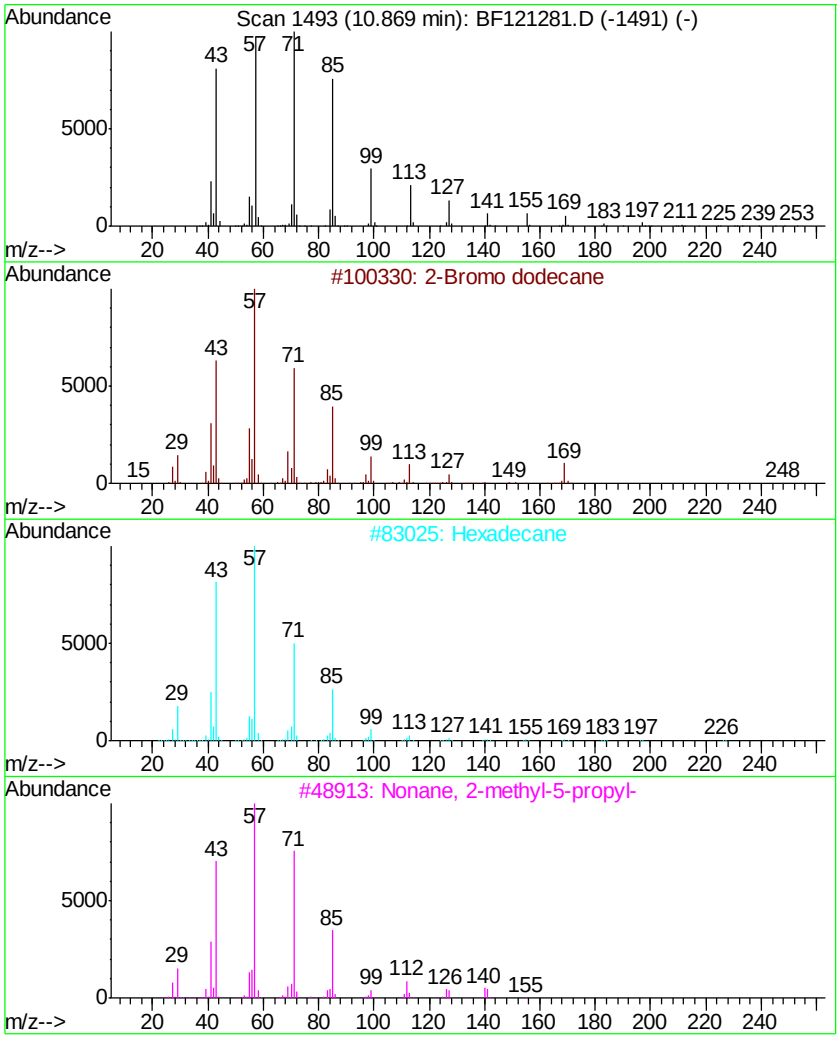
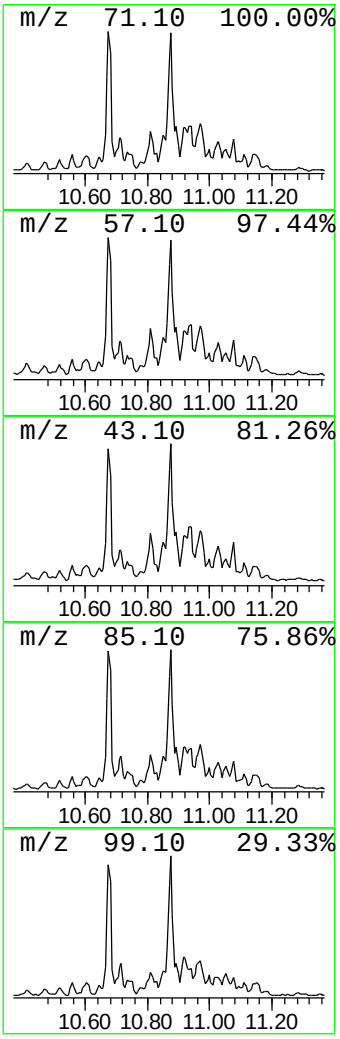
Peak Number 4 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	111.82 ng	4580960	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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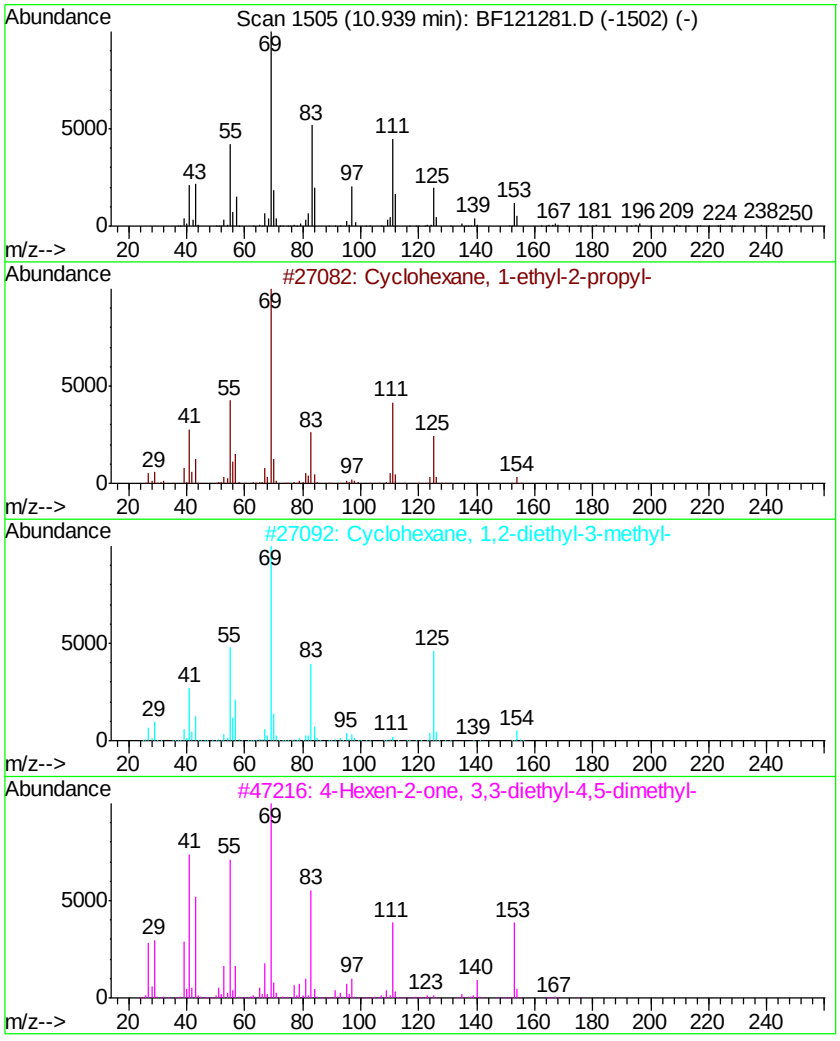
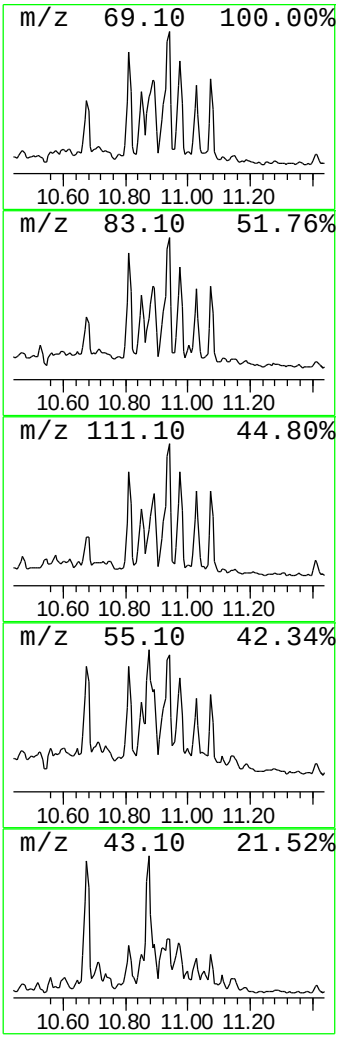
Peak Number 5 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	55.12 ng	2258100	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	50
2	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	43
3	4-Hexen-2-one, 3,3-diethyl-4,5-d...	182	C12H22O	1000149-30-4	42
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	40
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	38





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Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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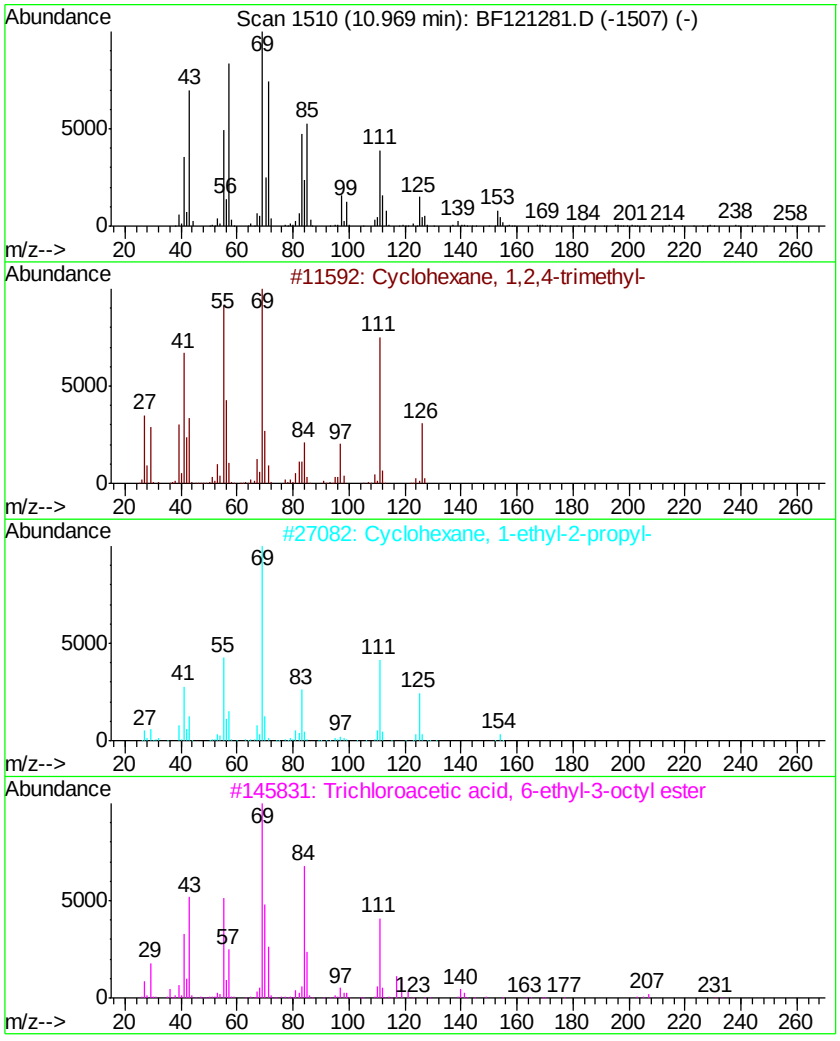
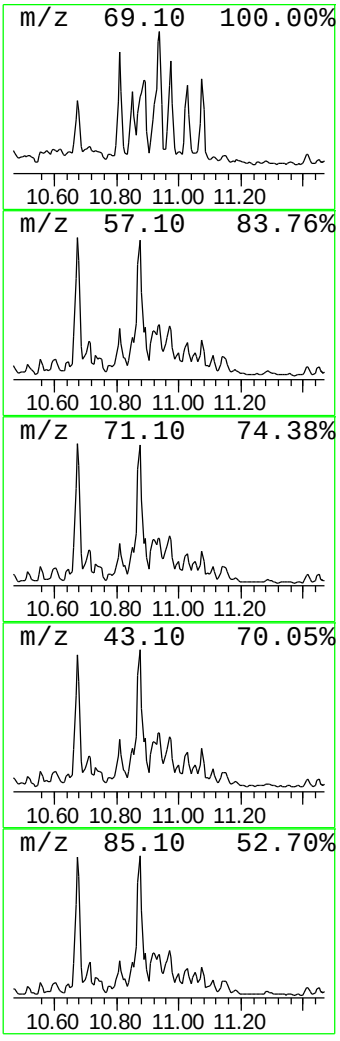
Peak Number 6 unknown10.97 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	51.98 ng	2129290	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
2	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43
3	Trichloroacetic acid, 6-ethyl-3-...	302	C12H21Cl3O2	1000282-57-4	43
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	38
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38





Library Search Compound Report

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Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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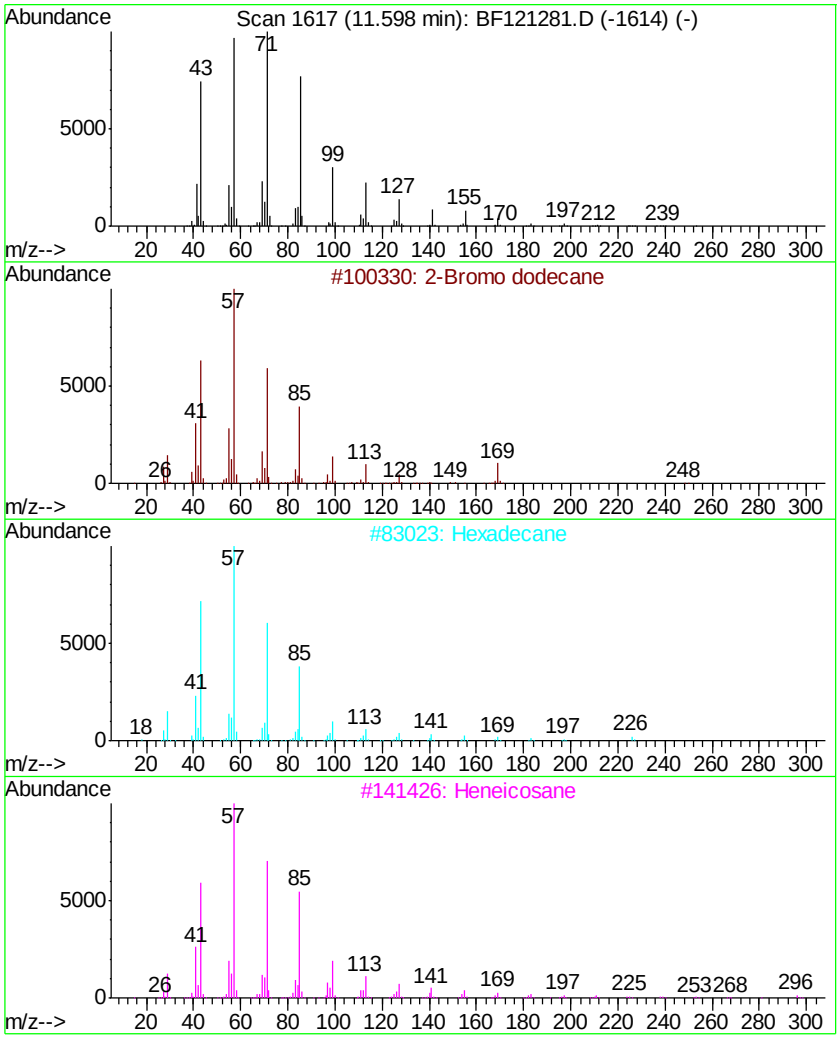
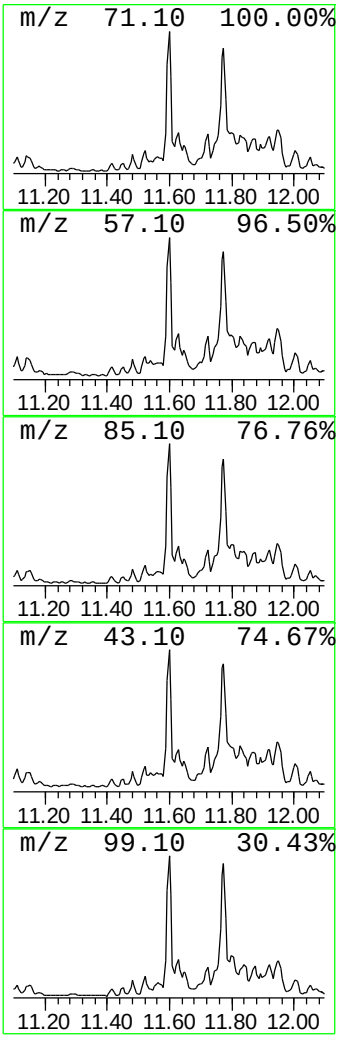
Peak Number 7 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	84.44 ng	3459090	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heneicosane	296	C21H44	000629-94-7	78
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	72
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58





Library Search Compound Report

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Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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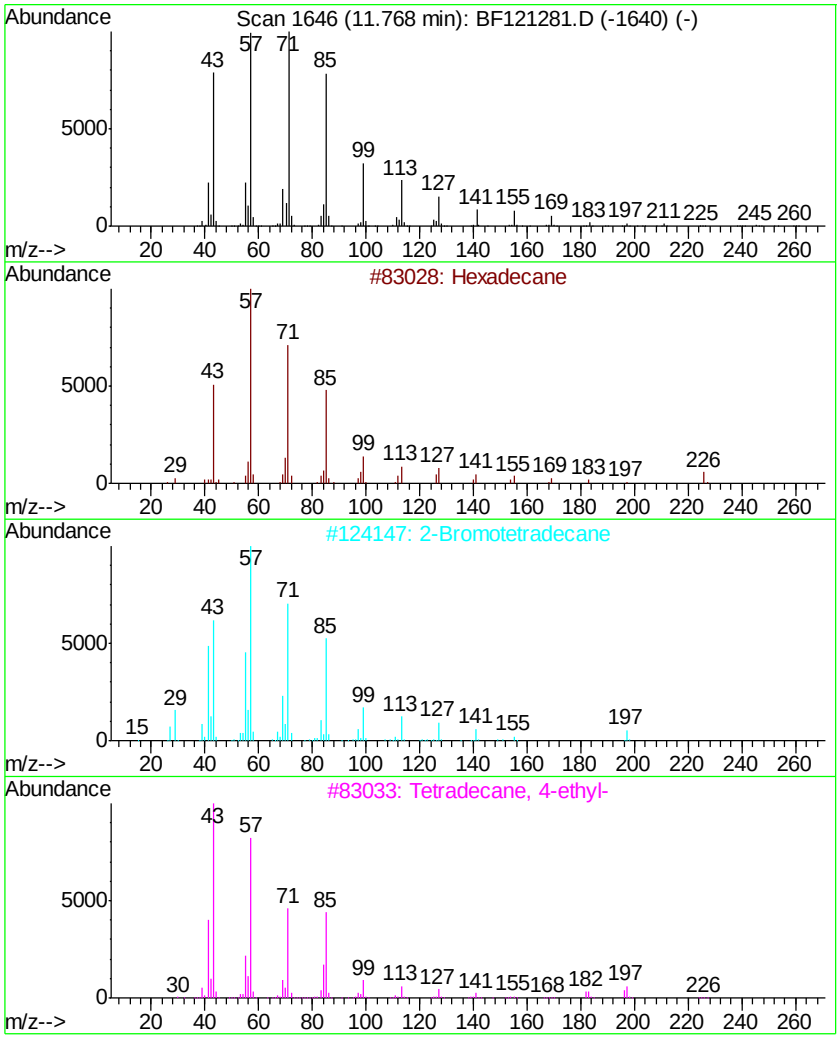
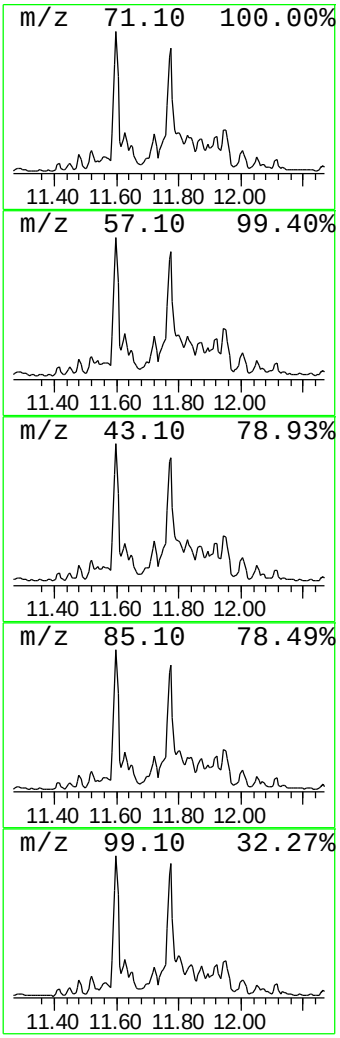
Peak Number 8 2-Bromotetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	166.83 ng	6834740	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	80
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	80
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	72
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58





Library Search Compound Report

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Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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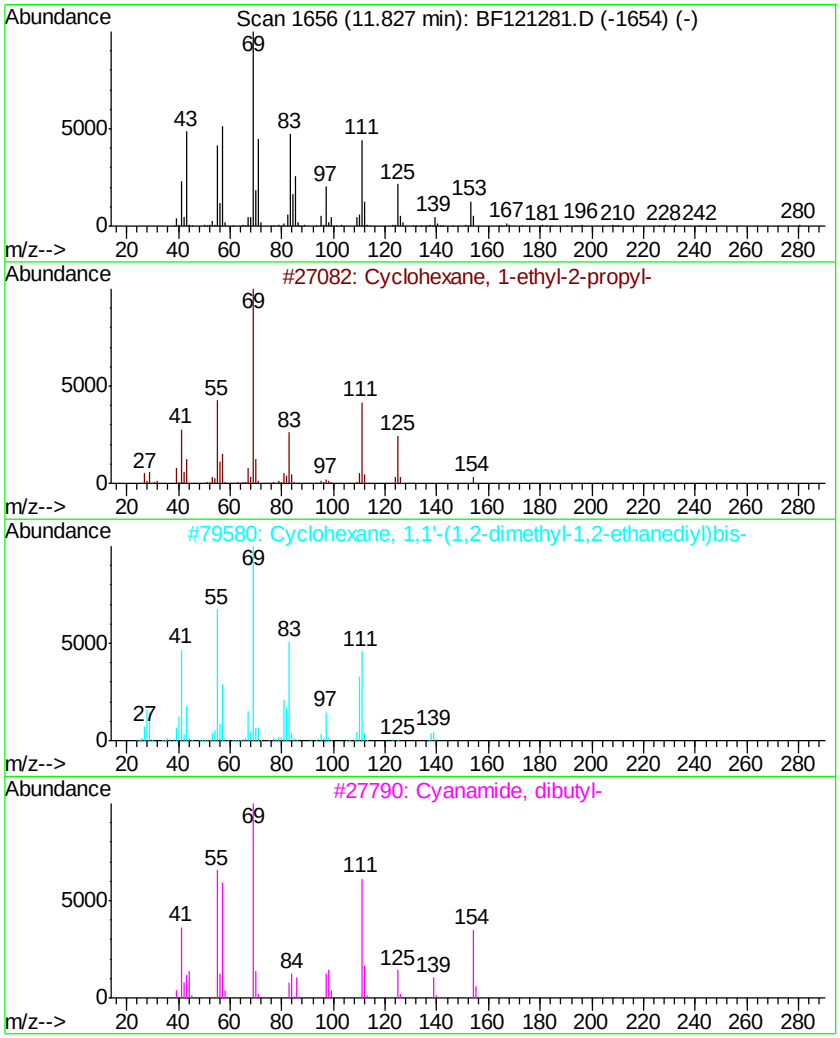
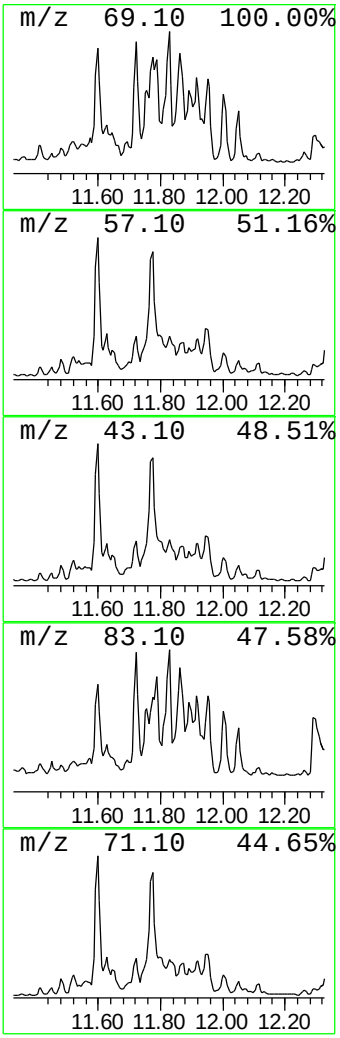
Peak Number 9 unknown11.83 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	47.02 ng	1926110	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	49
2	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	47
3	Cyanamide, dibutyl-	154	C9H18N2	002050-54-6	43
4	10-Methyl-octadec-1-ene	266	C19H38	1000192-60-5	38
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38





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Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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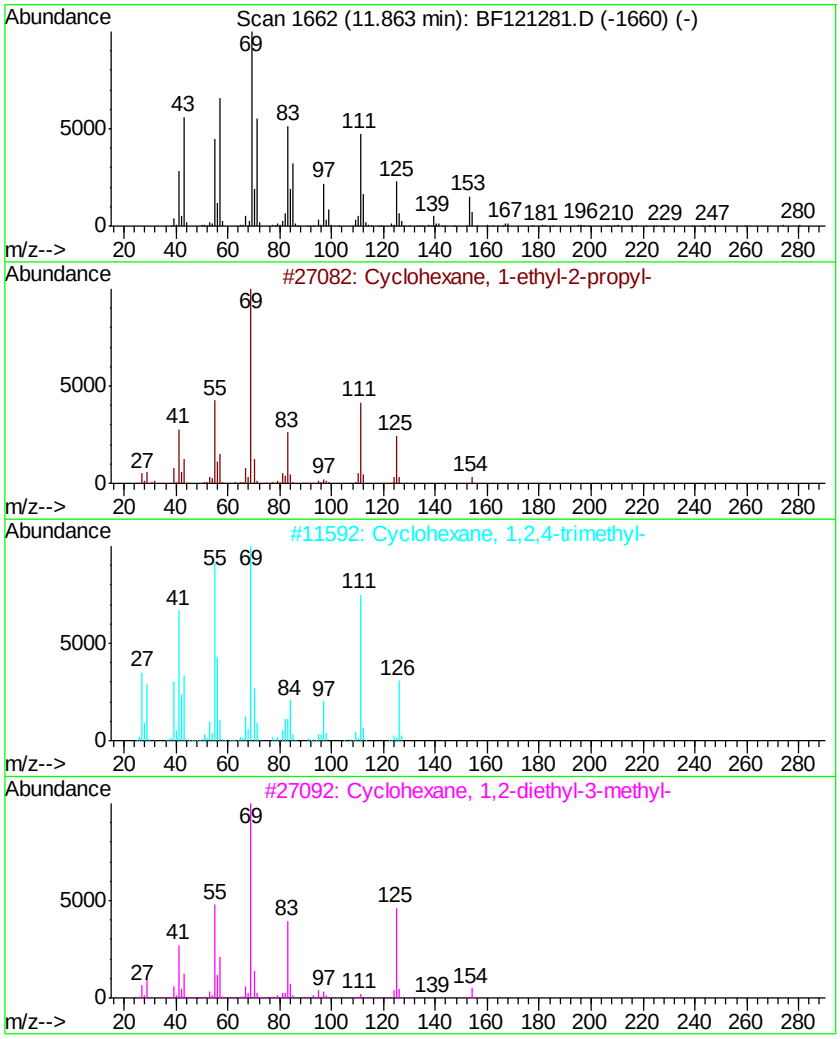
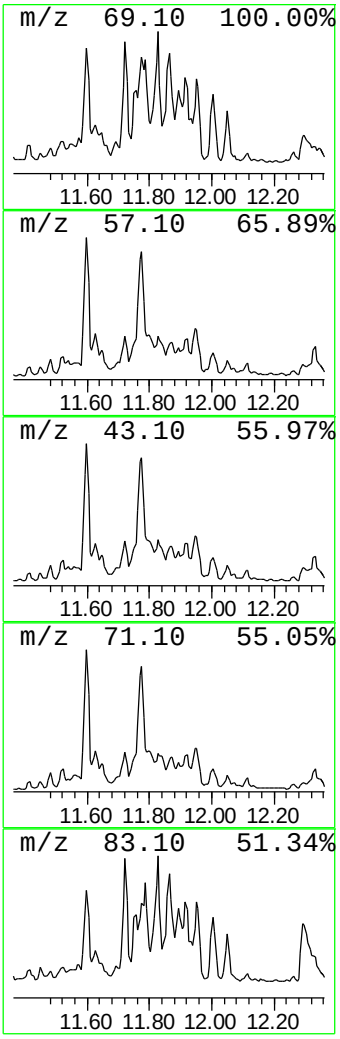
Peak Number 10 unknown11.86 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	38.80 ng	1589710	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	46
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
3	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	38
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	38





Library Search Compound Report

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Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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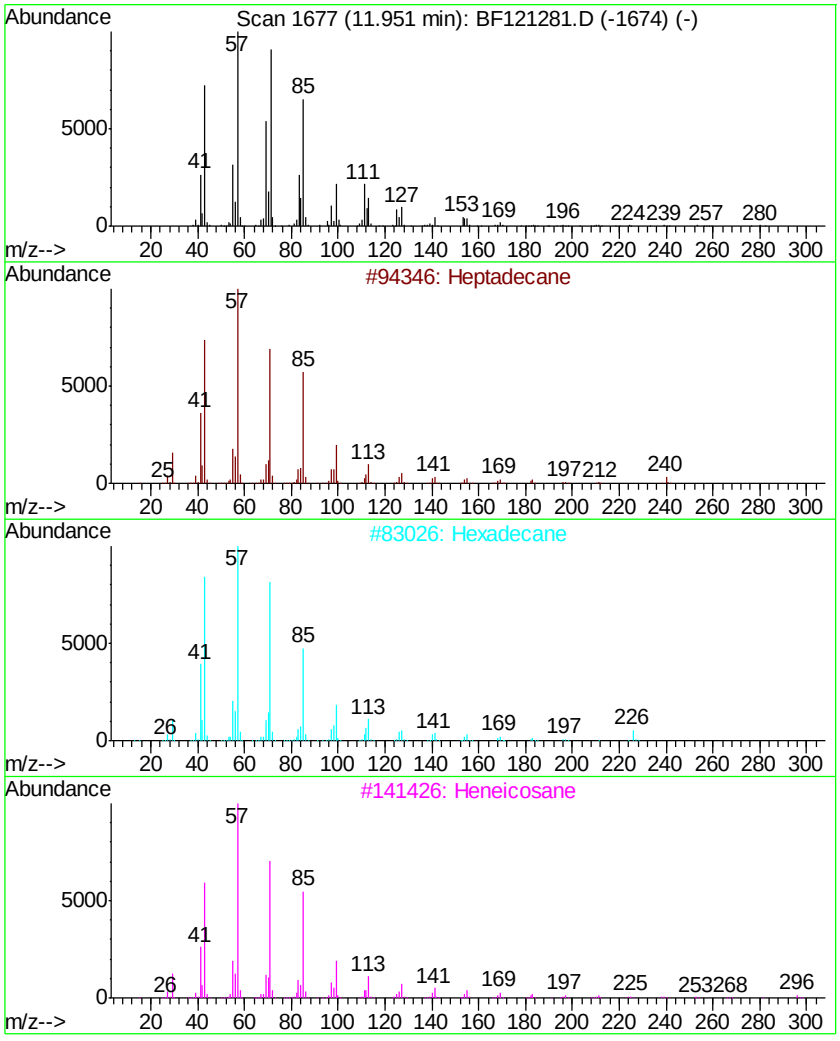
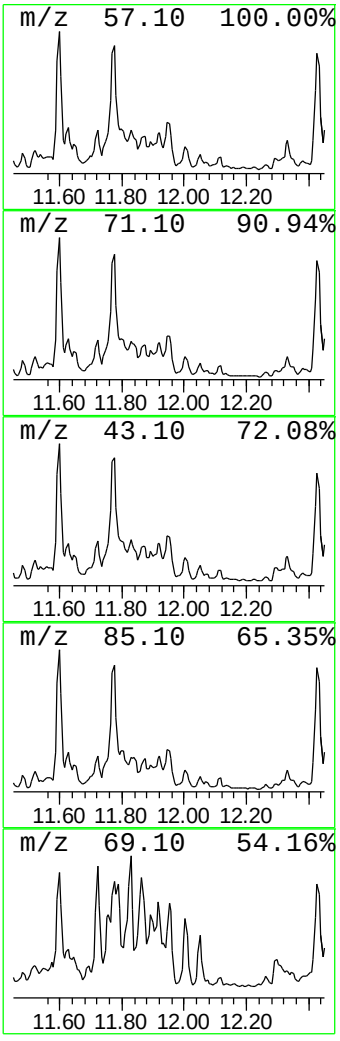
Peak Number 11 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	42.69 ng	1748970	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	74
2	Hexadecane	226	C16H34	000544-76-3	74
3	Heneicosane	296	C21H44	000629-94-7	72
4	Pentadecane	212	C15H32	000629-62-9	64
5	Dodecane	170	C12H26	000112-40-3	58





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Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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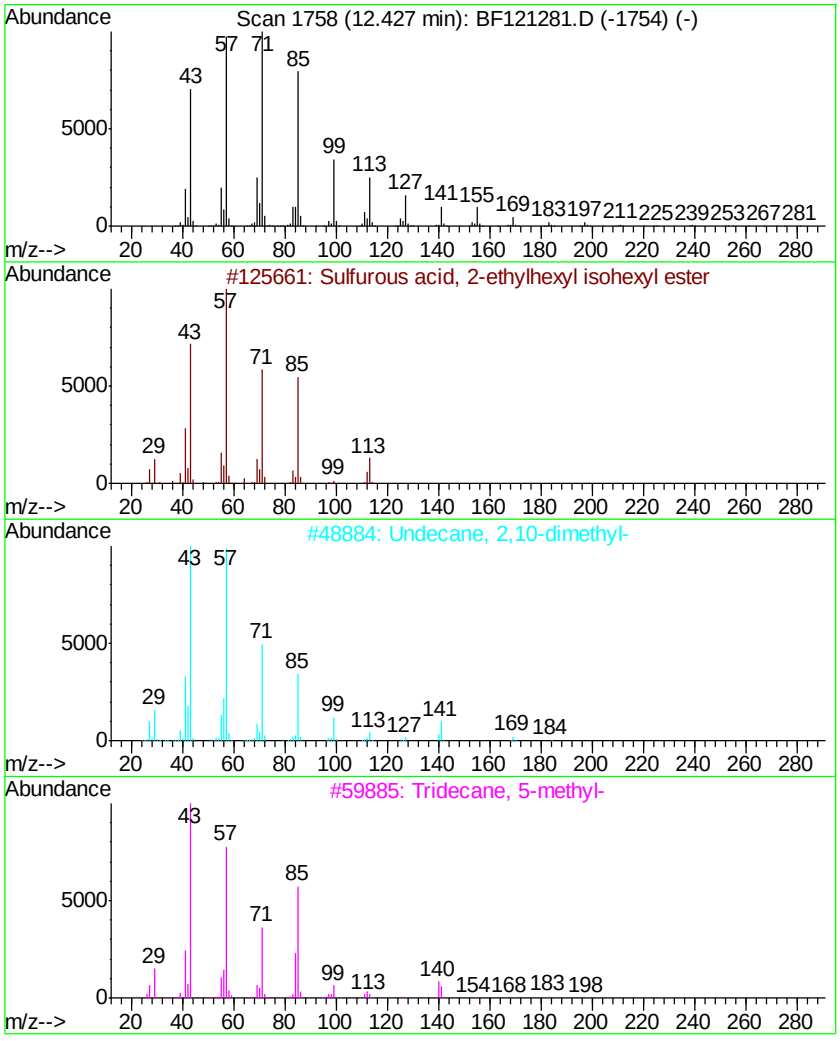
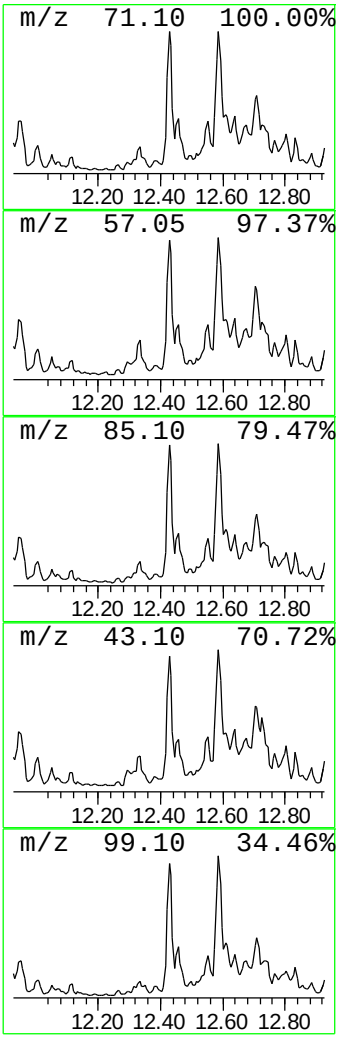
Peak Number 12 Sulfurous acid, 2-ethylhexy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	96.92 ng	3970400	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	59
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	59
3	Tridecane, 5-methyl-	198	C14H30	025117-31-1	49
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	46
5	Decane, 5-propyl-	184	C13H28	017312-62-8	43





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Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

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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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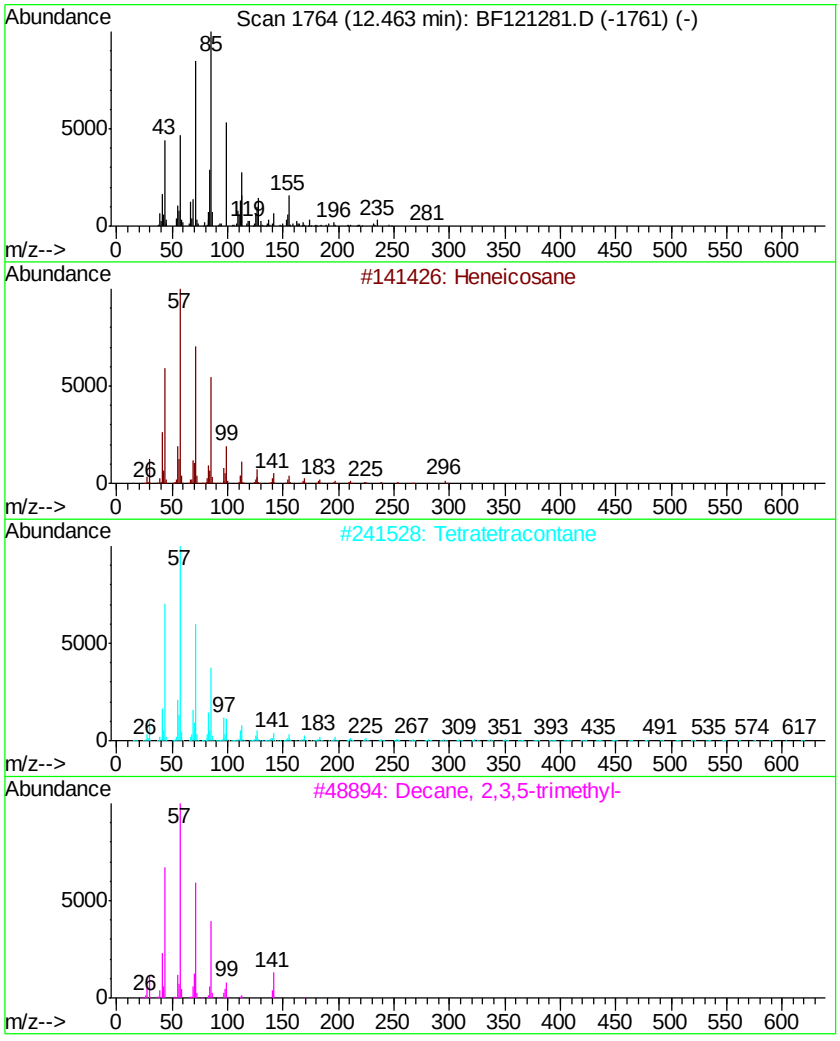
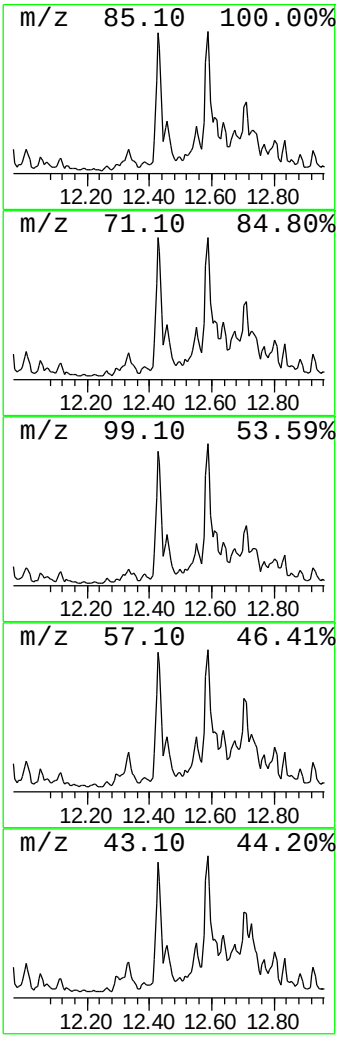
Peak Number 13 Tetratetracontane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	38.43 ng	1574340	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Tetratetracontane	619	C44H90	007098-22-8	72
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5	Eicosane	282	C20H42	000112-95-8	59





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Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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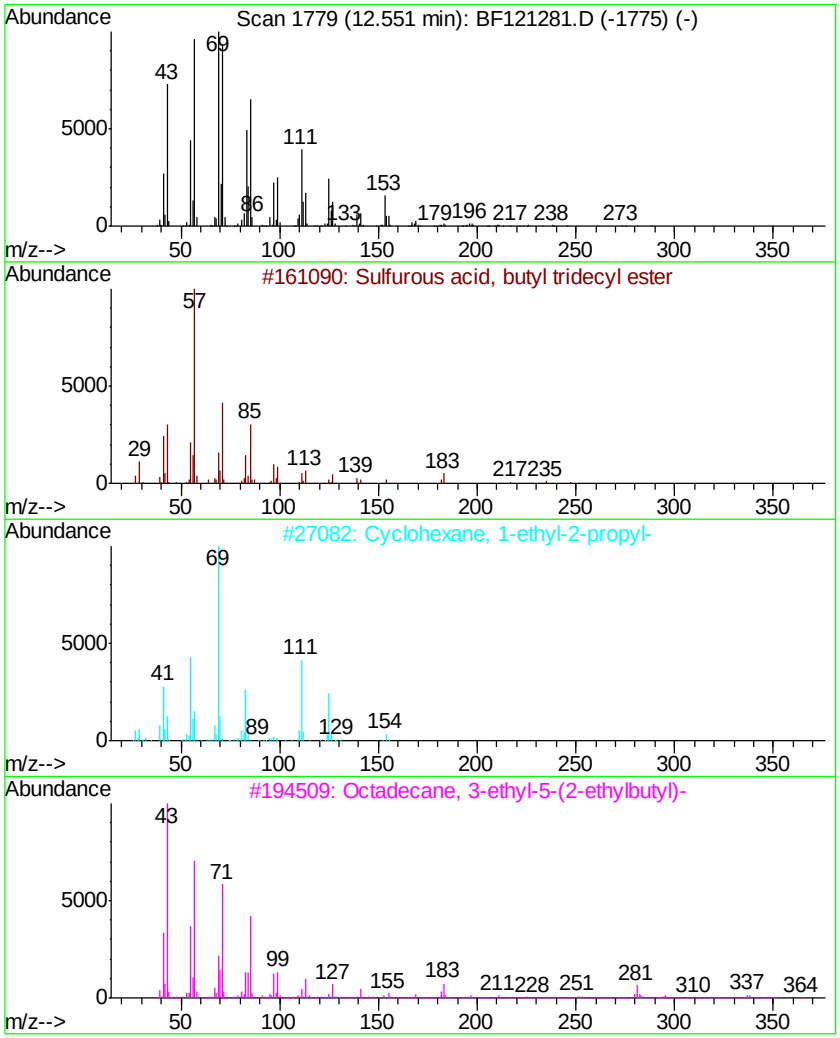
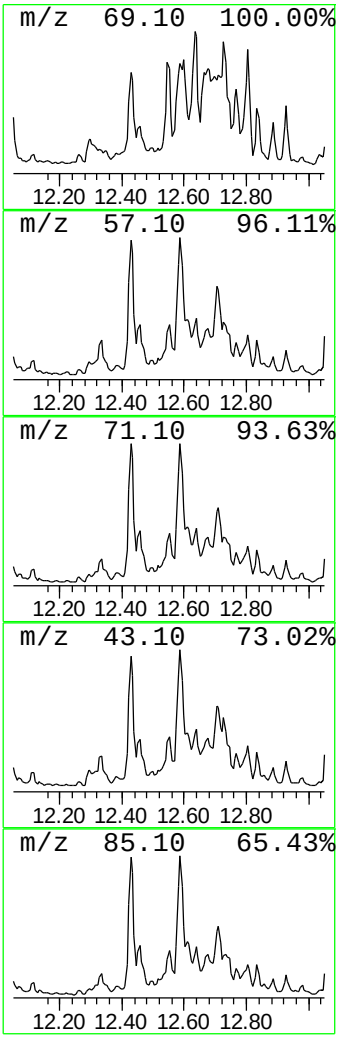
Peak Number 14 unknown12.55 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	54.40 ng	2228820	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	43
2	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
3	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	38
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	30
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	30





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Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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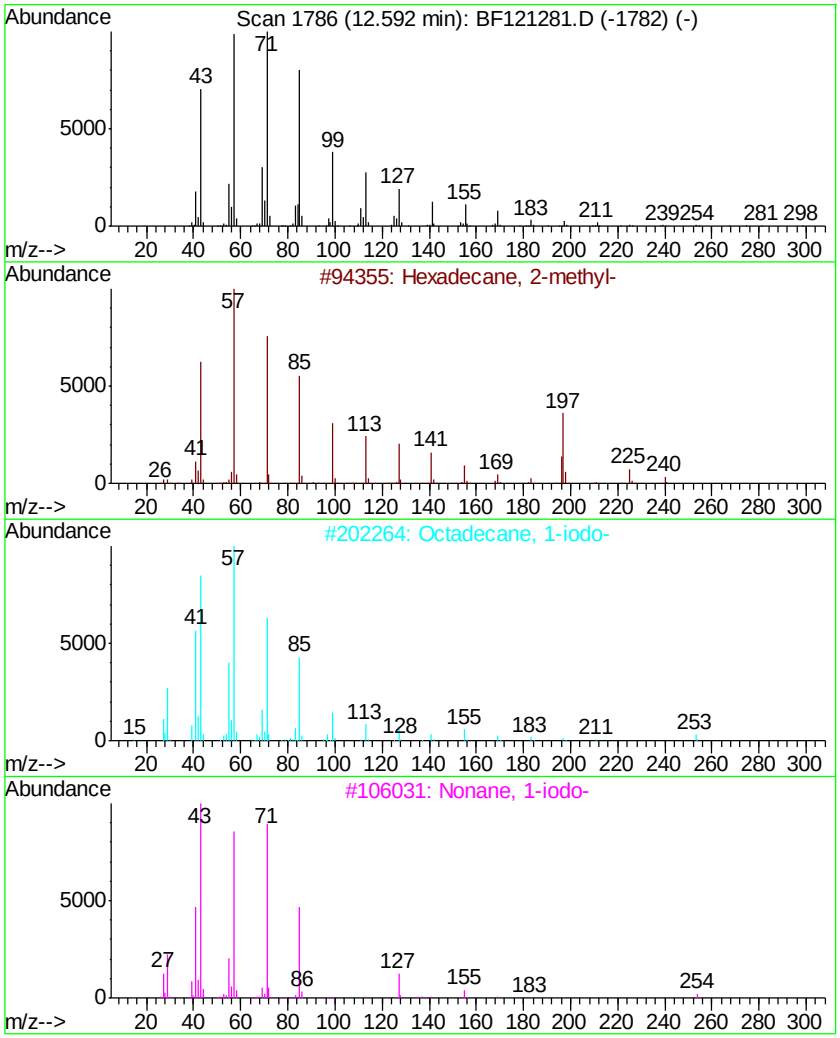
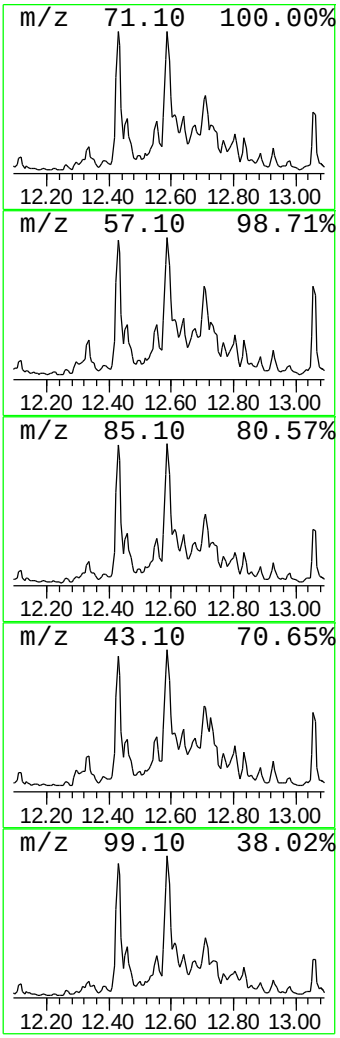
Peak Number 15 Hexadecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	38.57 ng	6078380	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	64
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64
3	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	50
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	50





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Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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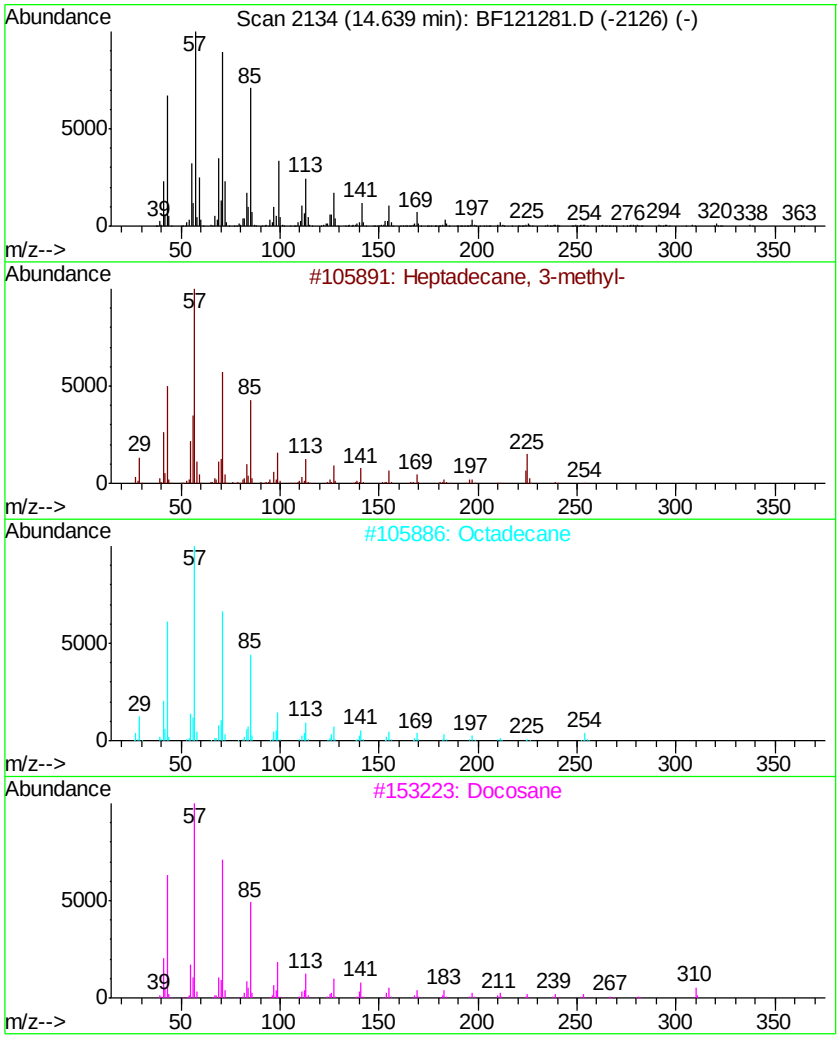
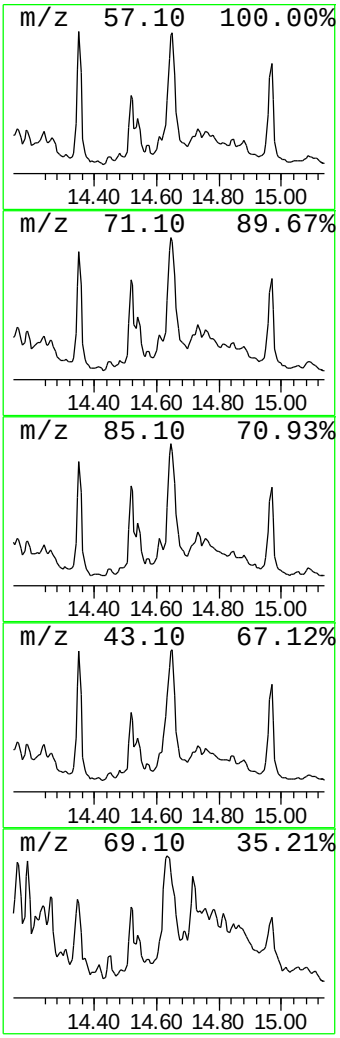
Peak Number 16 Heptadecane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	177.93 ng	7171990	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	90
2	Octadecane	254	C18H38	000593-45-3	89
3	Docosane	310	C22H46	000629-97-0	72
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	70
5	Eicosane	282	C20H42	000112-95-8	64





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Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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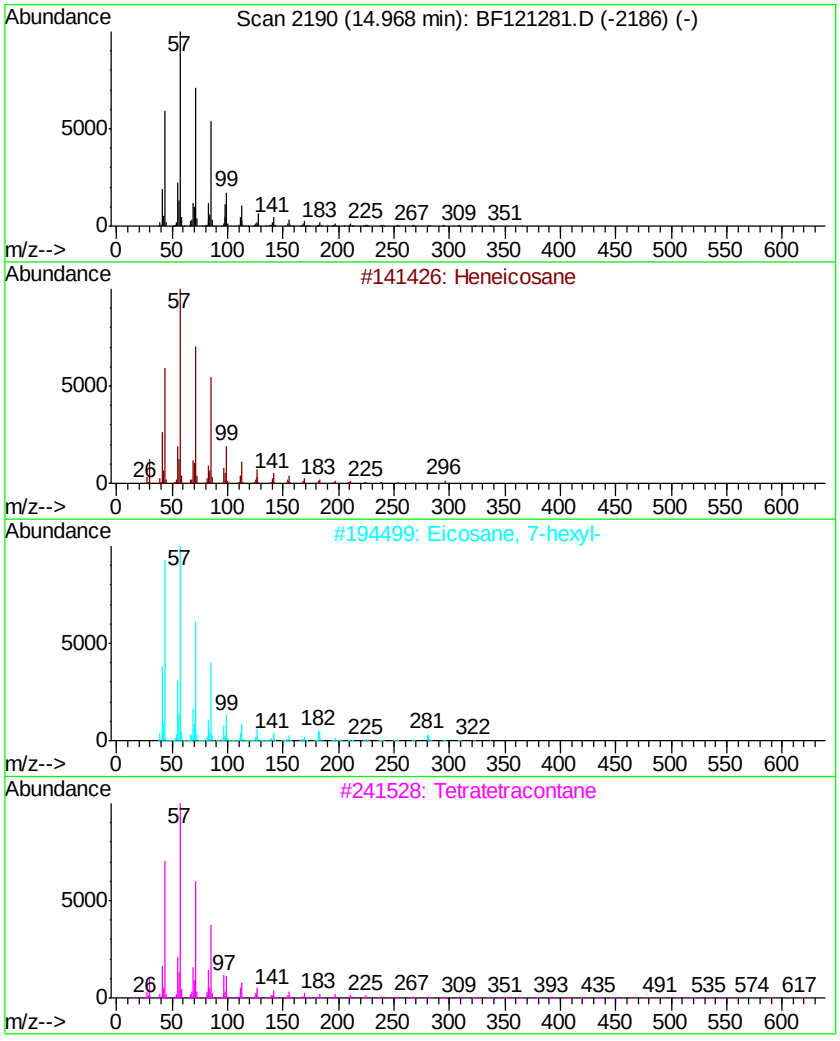
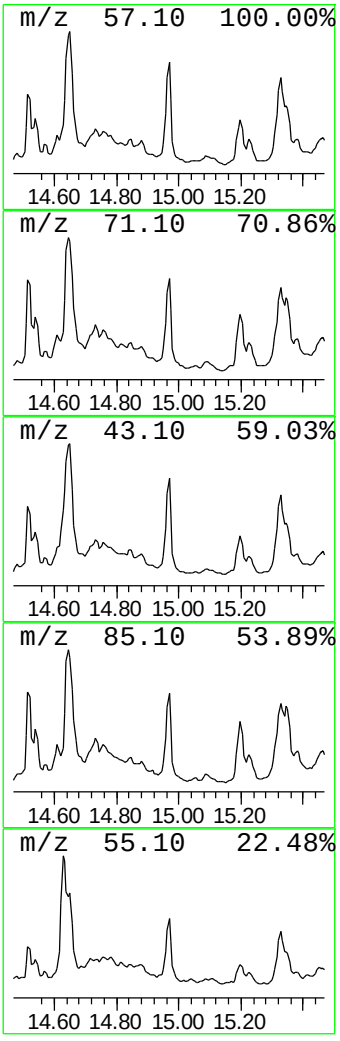
Peak Number 17 Eicosane, 7-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	58.94 ng	2375820	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3	Tetratetracontane	619	C44H90	007098-22-8	87
4	Octadecane	254	C18H38	000593-45-3	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	83





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Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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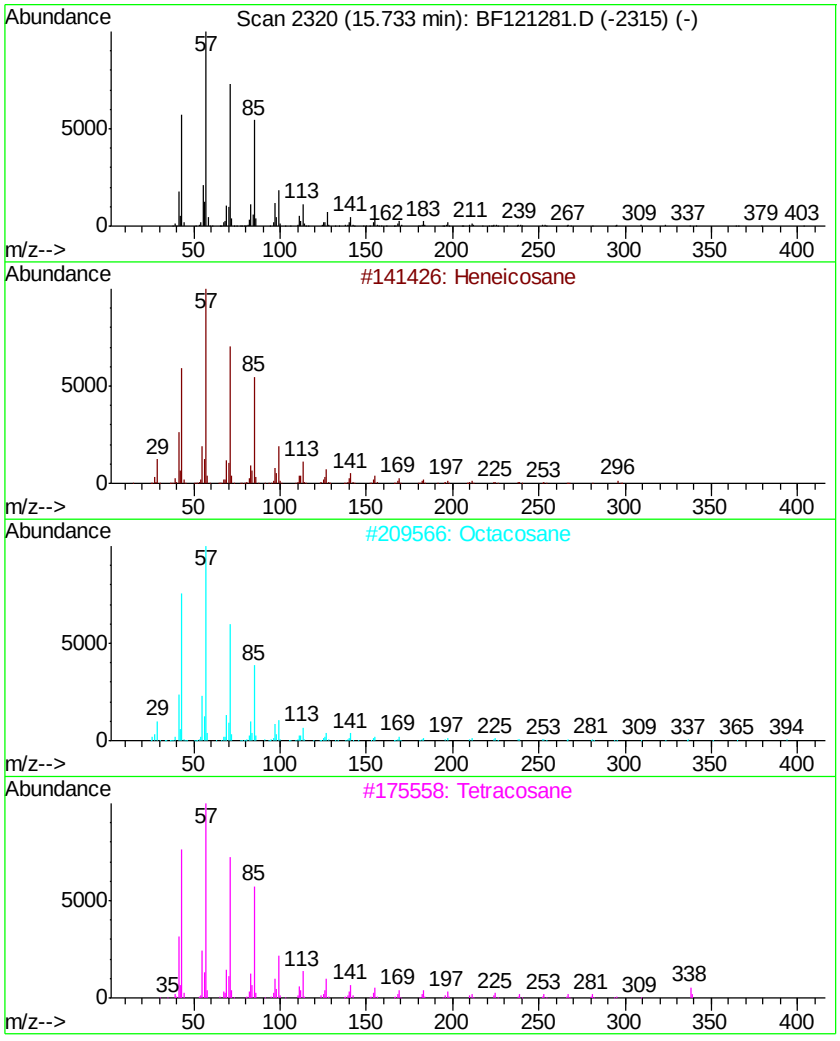
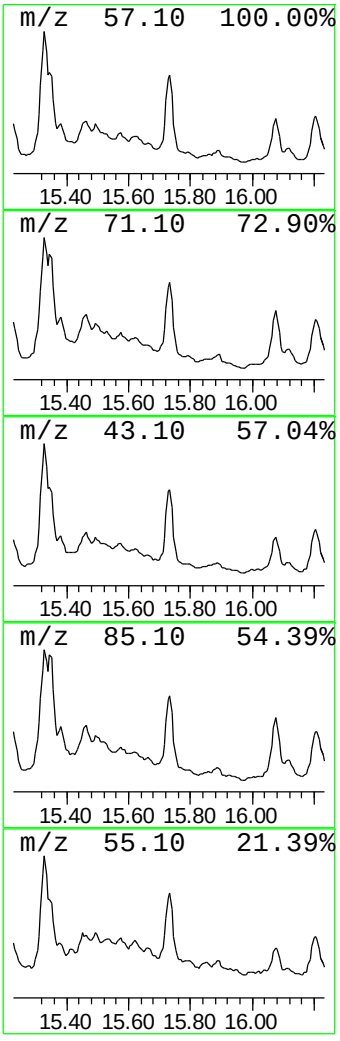
Peak Number 18 Octacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	42.10 ng	1697120	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Tetracosane	338	C24H50	000646-31-1	90
4	Octadecane	254	C18H38	000593-45-3	87
5	Hentriacontane	437	C31H64	000630-04-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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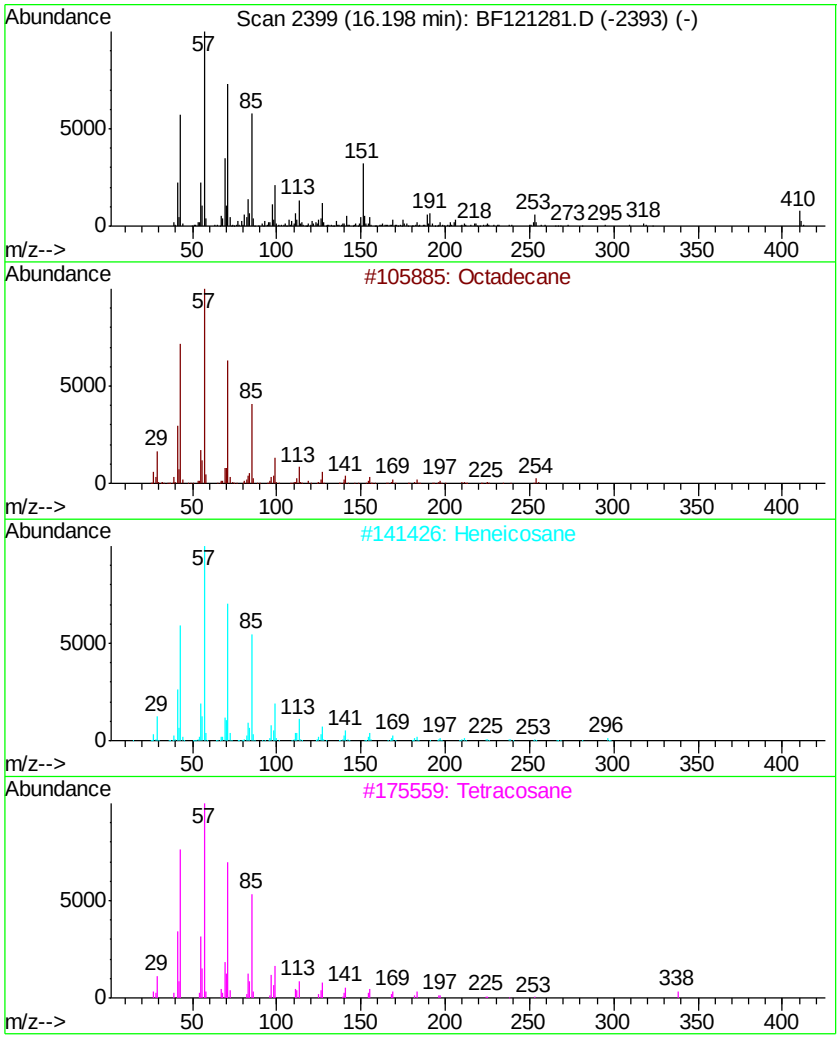
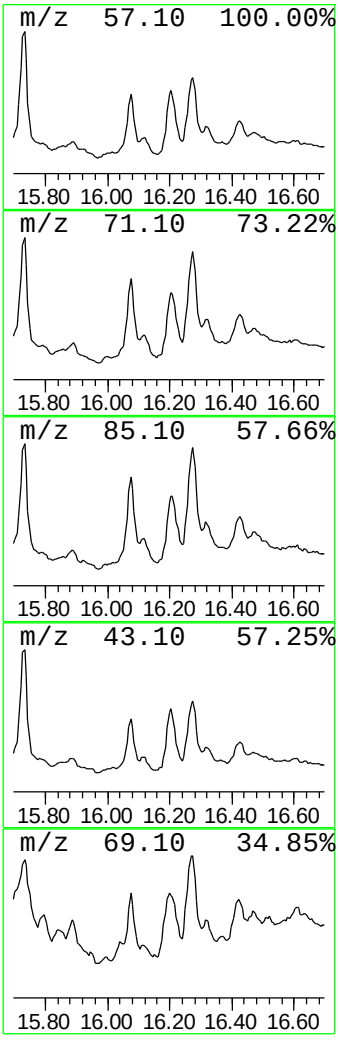
Peak Number 19 Octadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	45.18 ng	1821220	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heneicosane	296	C21H44	000629-94-7	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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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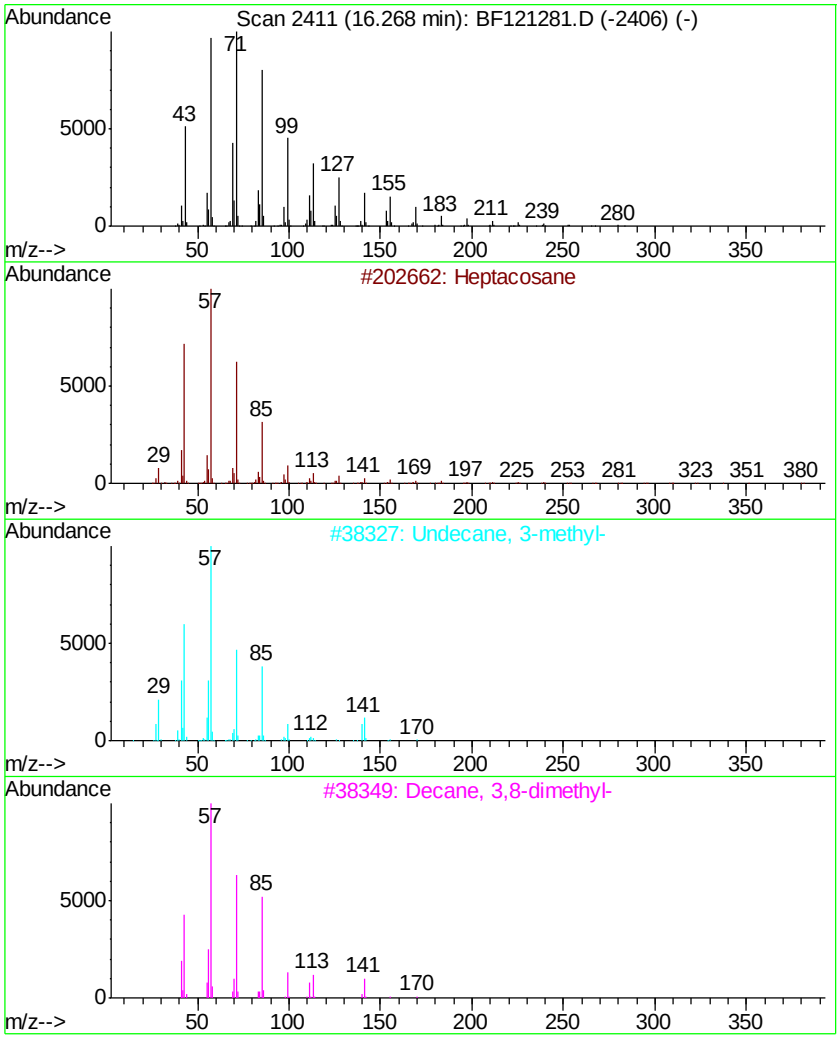
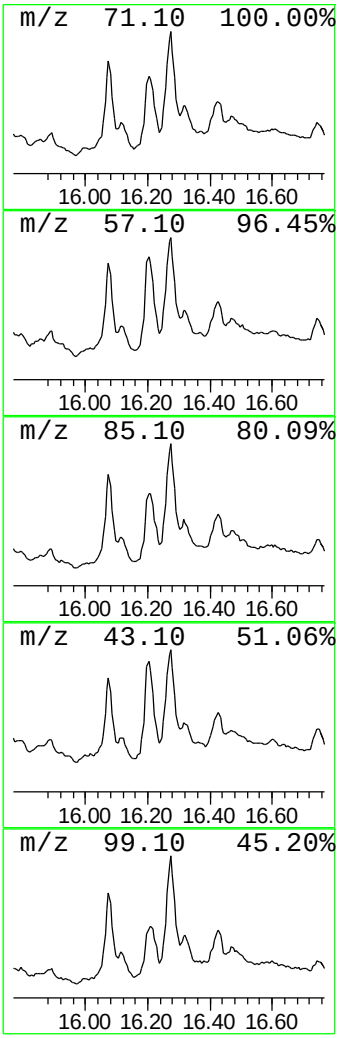
Peak Number 20 Heptacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	38.44 ng	1549550	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	49
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
4	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	43
5	Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081320\
Data File : BF121281.D
Acq On : 13 Aug 2020 20:39
Operator : JU/CG
Sample : L3660-06
Misc :
ALS Vial : 18 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : VB25984

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081320.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
Triacontane	9.87	38.6	ng	2707130	3	9.76	1401340	20.0
2-Bromo dodecane	10.67	82.8	ng	3393710	4	11.24	819346	20.0
Nonadecyl pentafl...	10.81	43.8	ng	1794820	4	11.24	819346	20.0
Hexadecane	10.87	111.8	ng	4580960	4	11.24	819346	20.0
Cyclohexane, 1-et...	10.94	55.1	ng	2258100	4	11.24	819346	20.0
unknown10.97	10.97	52.0	ng	2129290	4	11.24	819346	20.0
Heneicosane	11.60	84.4	ng	3459090	4	11.24	819346	20.0
2-Bromotetradecane	11.77	166.8	ng	6834740	4	11.24	819346	20.0
unknown11.83	11.83	47.0	ng	1926110	4	11.24	819346	20.0
unknown11.86	11.86	38.8	ng	1589710	4	11.24	819346	20.0
Heptadecane	11.95	42.7	ng	1748970	4	11.24	819346	20.0
Sulfurous acid, 2...	12.43	96.9	ng	3970400	4	11.24	819346	20.0
Tetratetracontane	12.46	38.4	ng	1574340	4	11.24	819346	20.0
unknown12.55	12.55	54.4	ng	2228820	4	11.24	819346	20.0
Hexadecane, 2-met...	12.59	38.6	ng	6078380	5	13.87	3151980	20.0
Heptadecane, 3-me...	14.64	177.9	ng	7171990	6	15.29	806152	20.0
Eicosane, 7-hexyl-	14.97	58.9	ng	2375820	6	15.29	806152	20.0
Octacosane	15.73	42.1	ng	1697120	6	15.29	806152	20.0
Octadecane	16.20	45.2	ng	1821220	6	15.29	806152	20.0
Heptacosane	16.27	38.4	ng	1549550	6	15.29	806152	20.0