LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

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-BF042219.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	2.187	14	17	27	rVB	50051	78775	3.05%	0.253%
2	5.516	578	583	586	rBV	2042549	1871150	72.49%	6.016%
3	6.522	749	754	774	rBV	2049923	2037787	78.95%	6.552%
4	6.663	774	778	781	rBV	2457404	2125456	82.34%	6.834%
5	6.892	813	817	821	rBV	907192	719204	27.86%	2.312%
6	7.051	840	844	847	rBV	2049961	1699801	65.85%	5.465%
7	7.451	907	912	915	rBV	1392508	1258523	48.76%	4.046%
8	8.175	1031	1035	1055	rVB	1000543	962491	37.29%	3.095%
9	9.245	1213	1217	1220	rBV	3166288	2581214	100.00%	8.299%
10	9.633	1280	1283	1288	rVB	299248	236401	9.16%	0.760%
11	9.922	1328	1332	1336	rBV	1246251	1125758	43.61%	3.619%
12	9.957	1336	1338	1341	rVB	68848	56367	2.18%	0.181%
13	10.127	1363	1367	1371	rBV	45120	43087	1.67%	0.139%
14	10.469	1422	1425	1431	rBV	71691	66799	2.59%	0.215%
15	10.710	1462	1466	1480	rBV	1905921	1707069	66.13%	5.488%
16	11.016	1512	1518	1521	rBV3	27851	41039	1.59%	0.132%
17	11.269	1556	1561	1565	rBV4	31604	60201	2.33%	0.194%
18	11.304	1565	1567	1572	rVB	43276	38261	1.48%	0.123%
19	11.410	1581	1585	1587	rBV	1213865	1166489	45.19%	3.750%
20	11.433	1587	1589	1592	rVV	562589	468017	18.13%	1.505%
21	11.480	1595	1597	1600	rVV	166523	141324	5.48%	0.454%
22	11.516	1600	1603	1606	rVB2	31025	31851	1.23%	0.102%
23	11.633	1618	1623	1625	rBV2	47354	52427	2.03%	0.169%
24	11.910	1665	1670	1671	rBV	99355	91157	3.53%	0.293%
25	11.933	1671	1674	1680	rVV2	467685	456682	17.69%	1.468%
26	11.980	1680	1682	1685	rVV	72689	76777	2.97%	0.247%
27	12.021	1685	1689	1691	rVV2	162887	190355	7.37%	0.612%
28	12.045	1691	1693	1697	rVB	69026	62666	2.43%	0.201%
29	12.204	1717	1720	1722	rBV	66589	59803	2.32%	0.192%
30	12.274	1727	1732	1737	rVB6	16493	30276	1.17%	0.097%
31	12.457	1760	1763	1766	rBV	67791	77396	3.00%	0.249%
32	12.498	1766	1770	1772	rVV	68152	73980	2.87%	0.238%
33	12.539	1775	1777	1783	rVB2	39293	47881	1.85%	0.154%
34	12.621	1787	1791	1794	rBV	837885	785562	30.43%	2.526%

LSC Area Percent Report

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Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.663	1795	1798	1800	rBV	45468	38295	1.48%	0.123%
36	12.716	1804	1807	1810	rBV	148859	151705	5.88%	0.488%
37	12.845	1824	1829	1835	rBV2	697532	821523	31.83%	2.641%
38	12.898	1835	1838	1843	rVB2	47337	71360	2.76%	0.229%
39	12.992	1847	1854	1857	rBV	2396012	2382145	92.29%	7.659%
40	13.068	1862	1867	1870	rBV2	62050	101334	3.93%	0.326%
41	13.151	1878	1881	1882	rBV3	39636	35357	1.37%	0.114%
42	13.174	1882	1885	1888	rVB	158008	140553	5.45%	0.452%
43	13.239	1891	1896	1899	rBV2	121411	129911	5.03%	0.418%
44	13.280	1899	1903	1905	rBV2	81074	89285	3.46%	0.287%
45	13.368	1916	1918	1921	rVB	42798	41369	1.60%	0.133%
46	13.404	1921	1924	1928	rBV2	54006	59043	2.29%	0.190%
47	13.563	1949	1951	1953	rBV3	35115	31787	1.23%	0.102%
48	13.680	1968	1971	1975	rVB	56512	69923	2.71%	0.225%
49	13.821	1993	1995	1997	rVB	58887	40230	1.56%	0.129%
50	13.845	1997	1999	2003	rVV2	41479	48202	1.87%	0.155%
51	13.892	2004	2007	2008	rVV2	56901	54535	2.11%	0.175%
52	13.921	2008	2012	2025	rVV5	110963	293112	11.36%	0.942%
53	14.045	2025	2033	2036	rVV2	1153163	1476068	57.19%	4.746%
54	14.068	2036	2037	2044	rVB	399375	300659	11.65%	0.967%
55	14.151	2049	2051	2053	rVB	61183	40885	1.58%	0.131%
56	14.210	2059	2061	2063	rBV	49598	40669	1.58%	0.131%
57	14.268	2068	2071	2074	rBV2	43482	50914	1.97%	0.164%
58	14.433	2097	2099	2102	rVB	83400	83702	3.24%	0.269%
59	14.468	2103	2105	2108	rVB	51324	46032	1.78%	0.148%
60	14.521	2111	2114	2118	rVB2	95720	114360	4.43%	0.368%
61	14.562	2119	2121	2123	rBV2	45958	49110	1.90%	0.158%
62	14.833	2164	2167	2170	rBV	93019	96940	3.76%	0.312%
63	15.098	2207	2212	2222	rBV	330625	679101	26.31%	2.183%
64	15.174	2222	2225	2228	rBV	118221	130001	5.04%	0.418%
65	15.204	2228	2230	2233	rVB	58252	59915	2.32%	0.193%
66	15.404	2260	2264	2270	rVB	198851	284345	11.02%	0.914%
67	15.462	2270	2274	2280	rVV	301299	386951	14.99%	1.244%
68	15.533	2281	2286	2289	rVV	811243	1045376	40.50%	3.361%
69	15.562	2289	2291	2298	rVB2	194608	235568	9.13%	0.757%
70	16.009	2363	2367	2372	rVB2	99208	145803	5.65%	0.469%
71	16.521	2451	2454	2458	rVB2	43936	55590	2.15%	0.179%

LSC Area Percent Report

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Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.009	2531	2537	2544	rBV2	146106	306351	11.87%	0.985%
73	17.451	2607	2612	2624	rVB	104774	241124	9.34%	0.775%
74	17.698	2649	2654	2666	rVB3	39832	111581	4.32%	0.359%

Sum of corrected areas: 31102740

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
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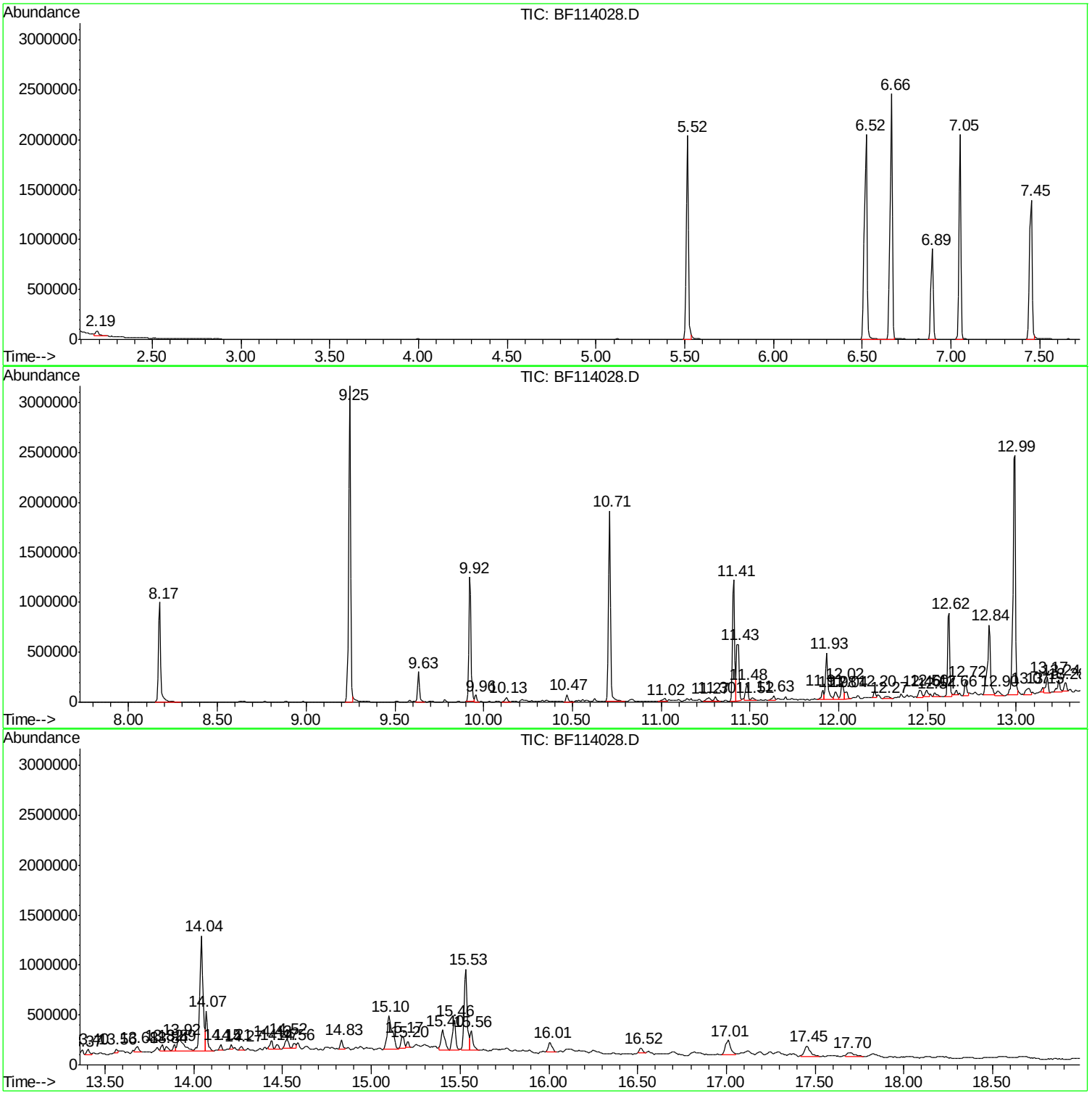
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

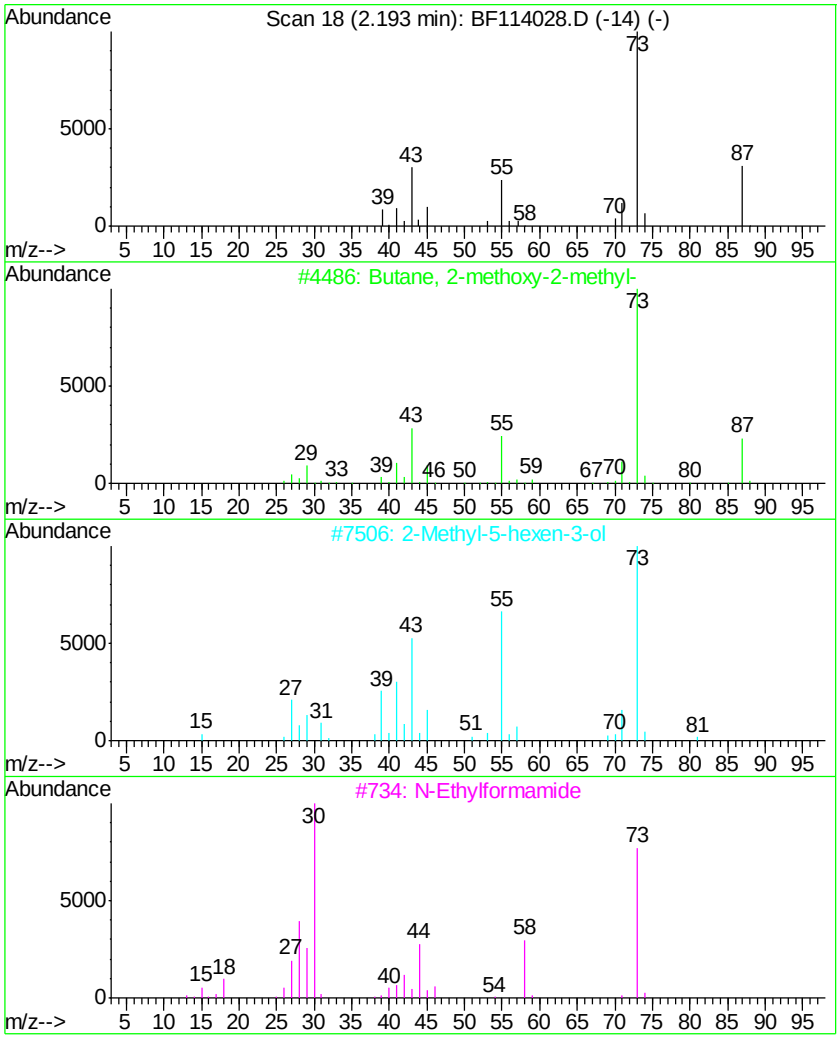
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

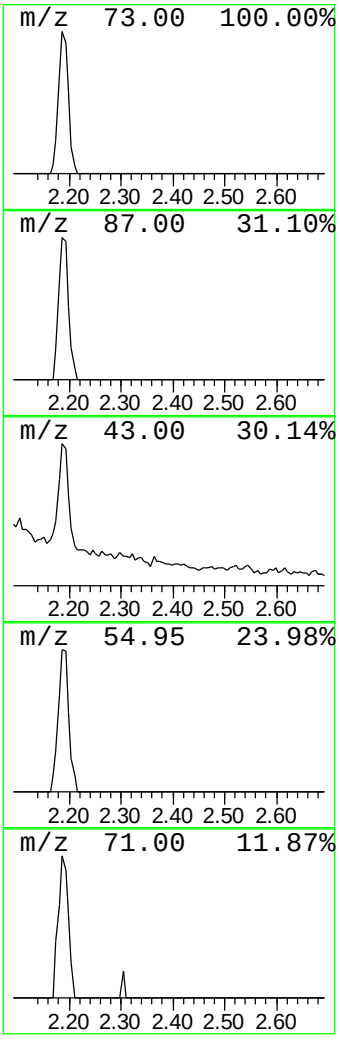
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	2.19 ng	78775	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	50
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,4-Butanediamine	88	C4H12N2	000110-60-1	9
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

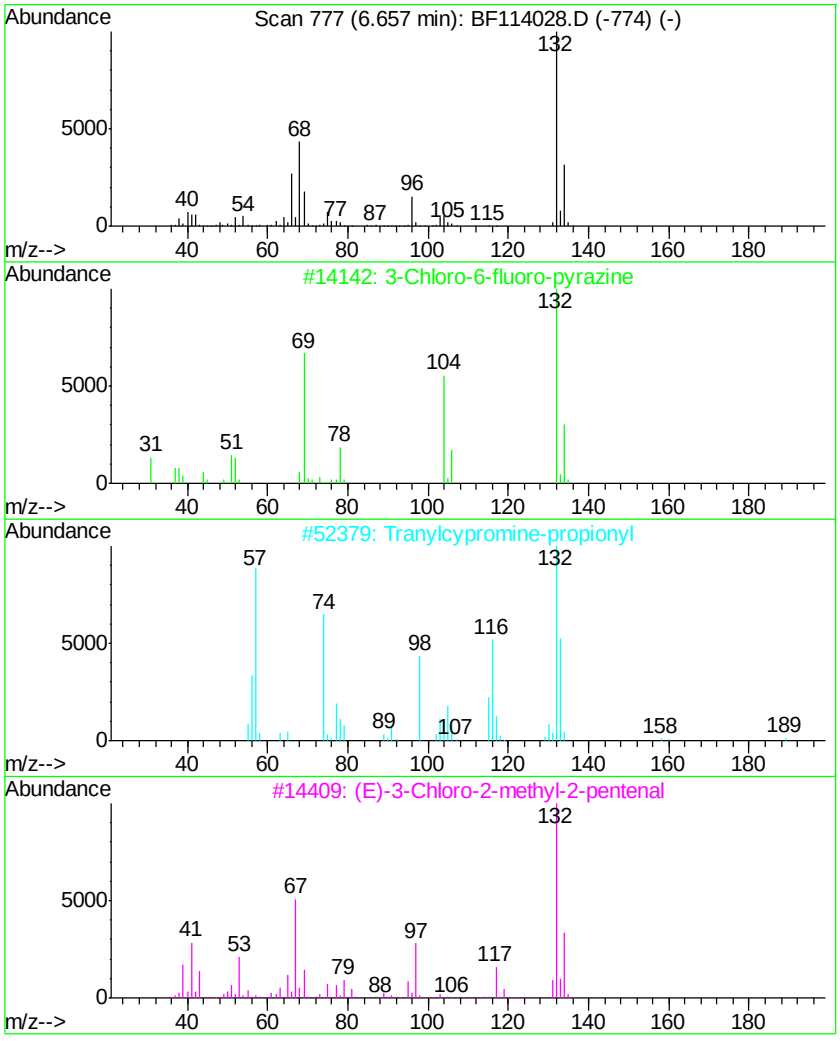
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

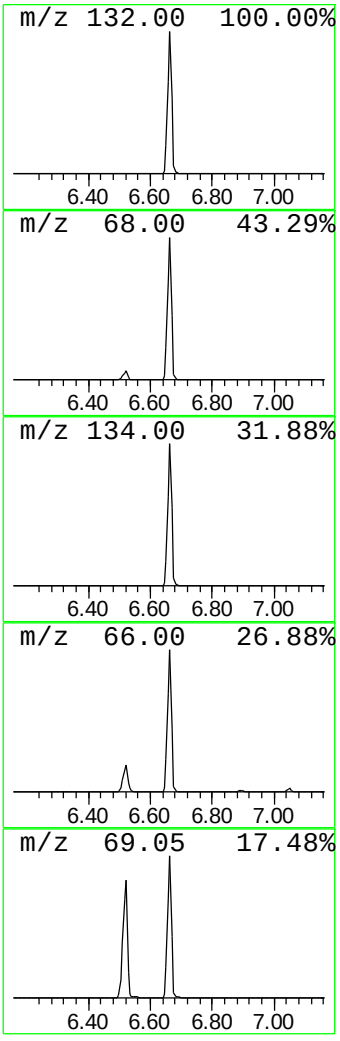
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	59.11 ng	2125460	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

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Data File : BF114028.D
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Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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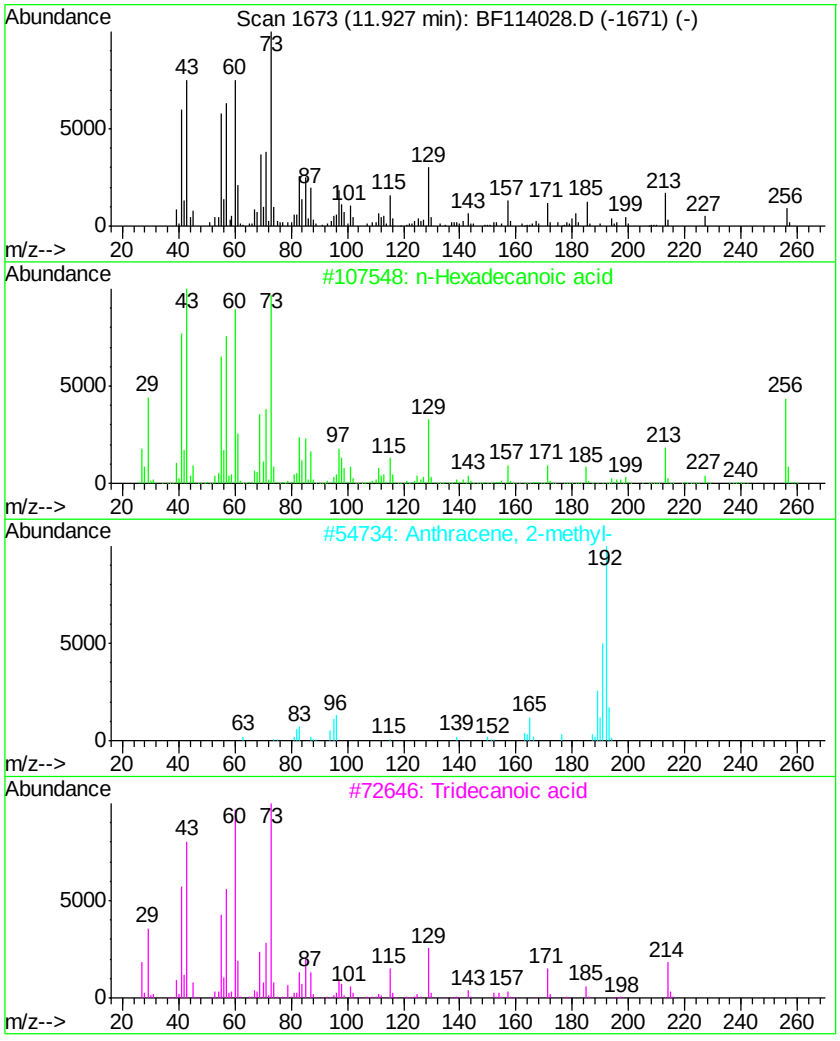
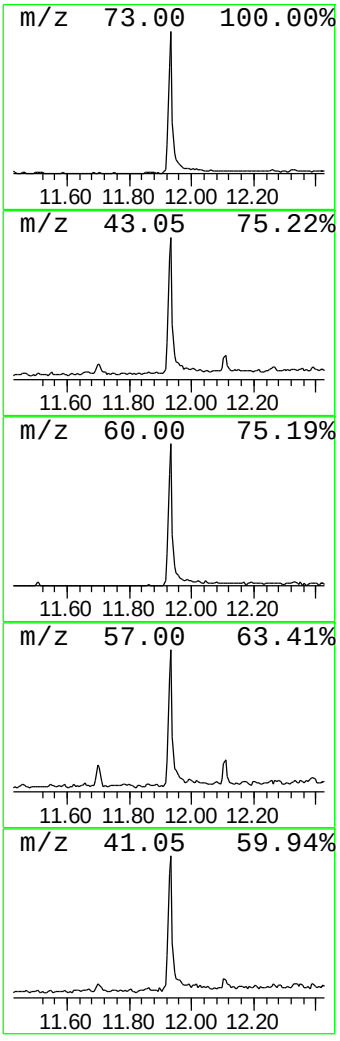
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	7.83 ng	456682	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	55
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

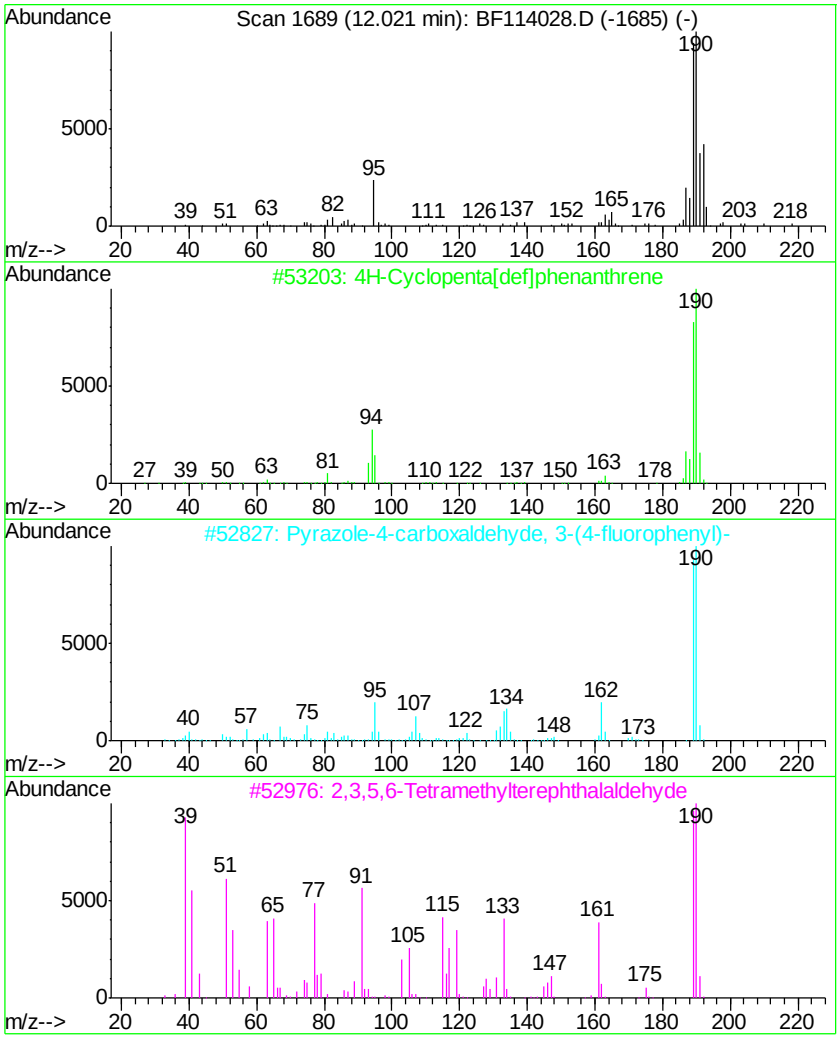
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

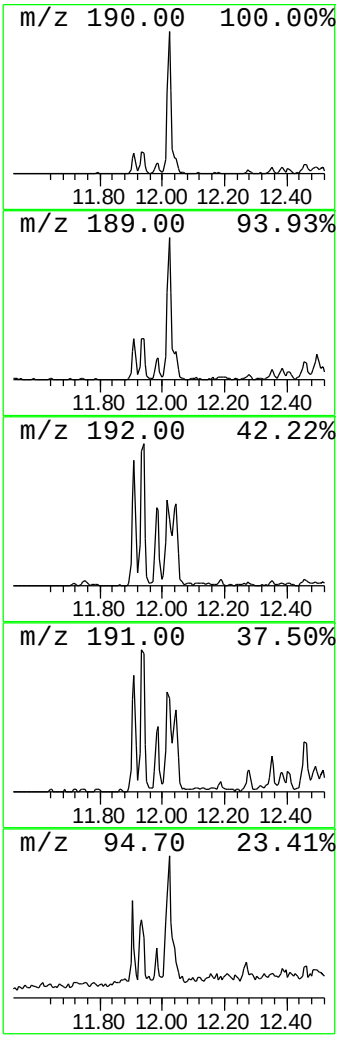
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.26 ng	190355	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Megastigmatrienone	190	C13H18O	038818-55-2	18





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

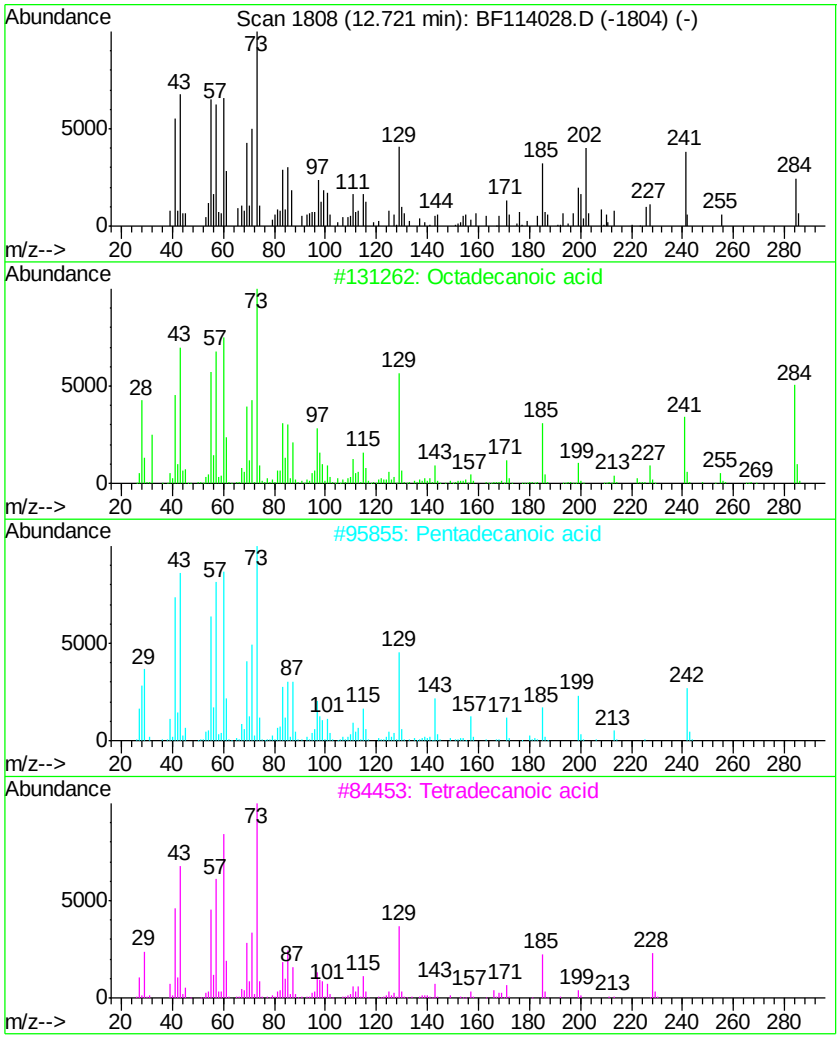
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

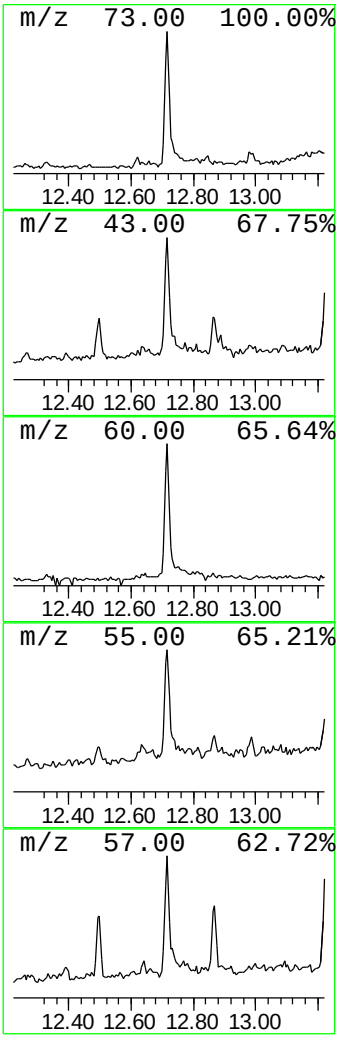
****

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.60 ng	151705	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	46
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	38
5	Dodecanoic acid	200	C12H24O2	000143-07-7	35





Library Search Compound Report

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

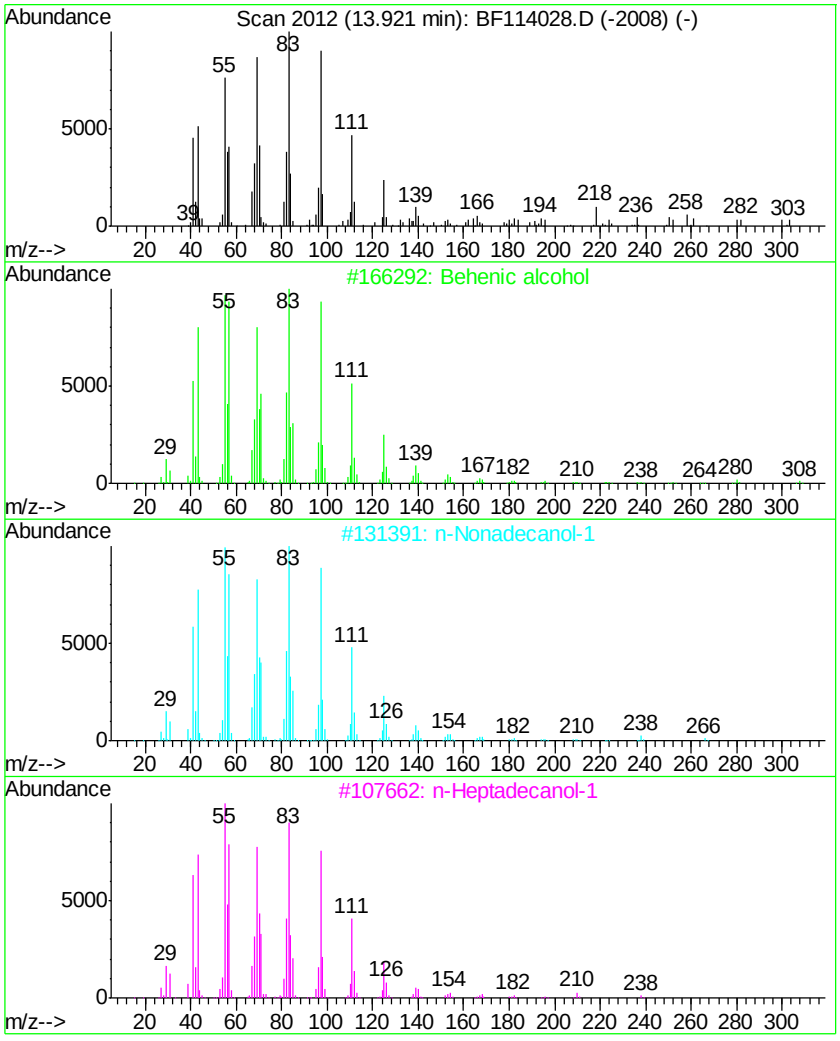
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

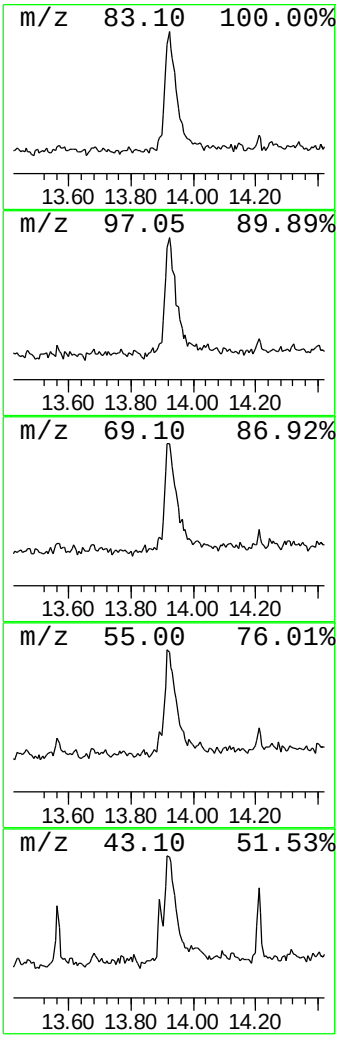
****

Peak Number 7 Behenic alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.97 ng	293112	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	91
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	91
4	E-7-Octadecene	252	C18H36	1000130-92-0	86
5	1-Heneicosanol	312	C21H44O	015594-90-8	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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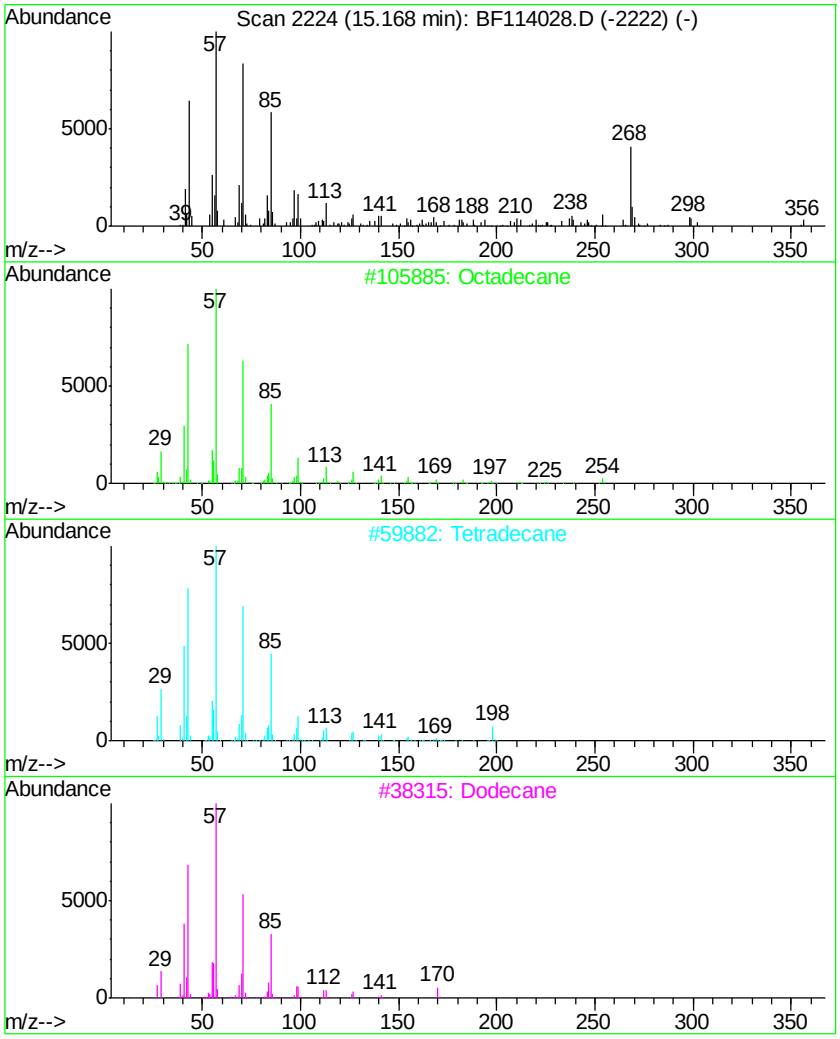
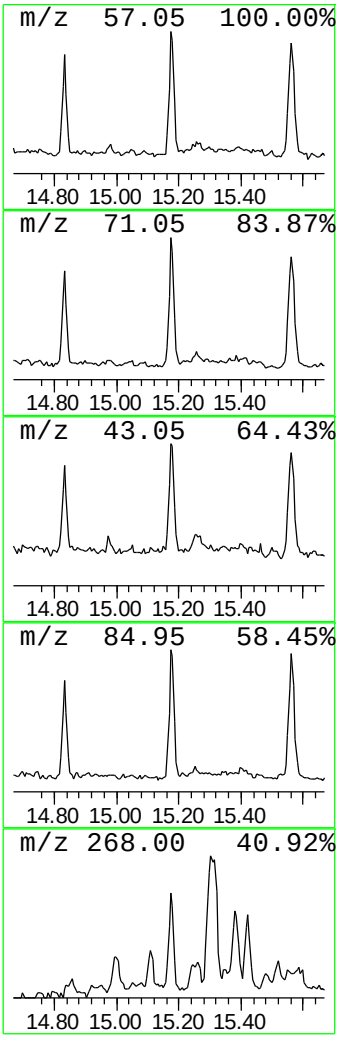
Peak Number 8 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.49 ng	130001	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Tetradecane	198	C14H30	000629-59-4	81
3	Dodecane	170	C12H26	000112-40-3	74
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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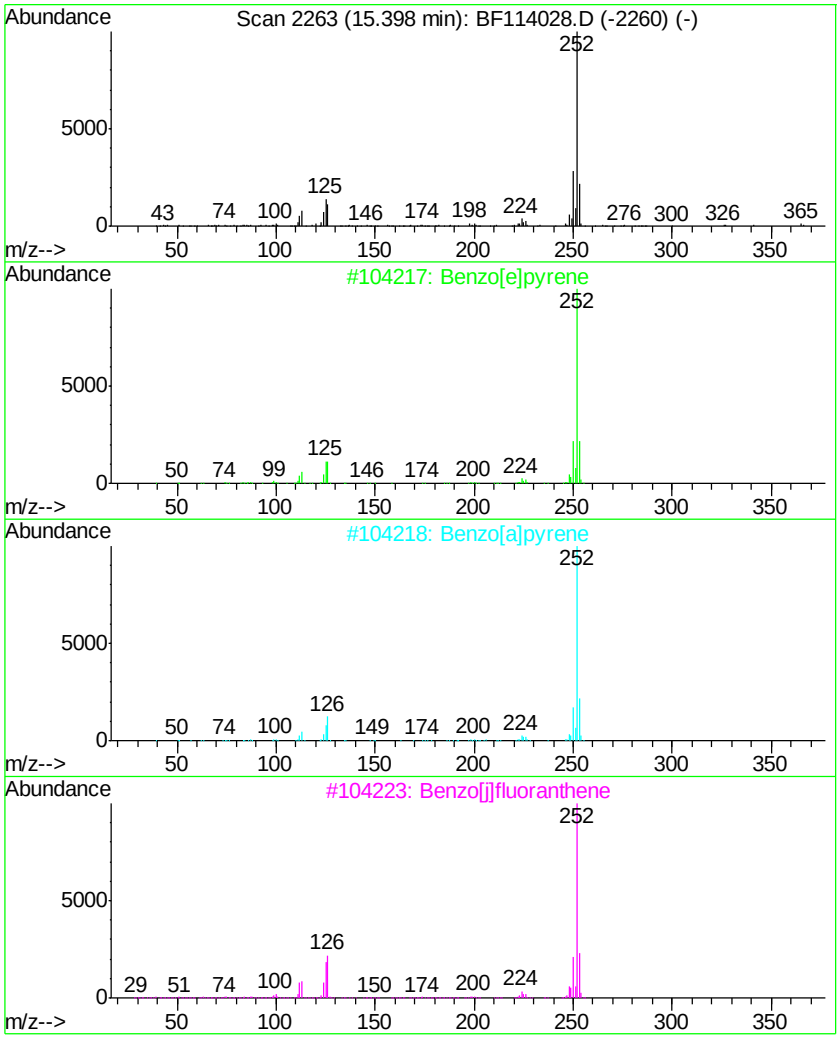
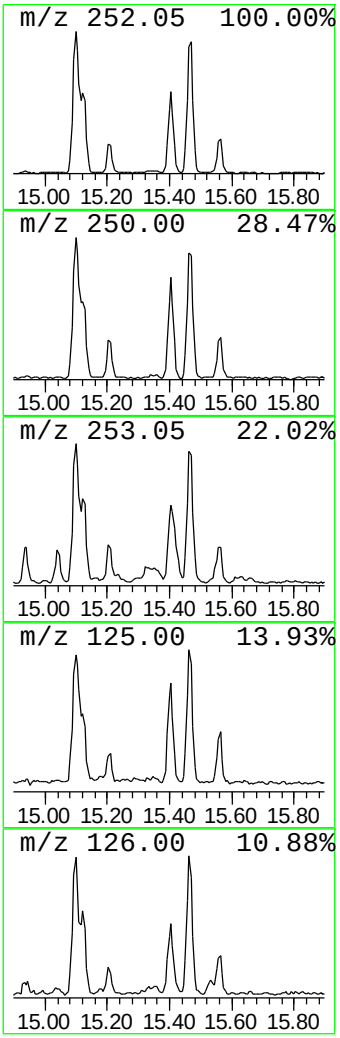
Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	5.44 ng	284345	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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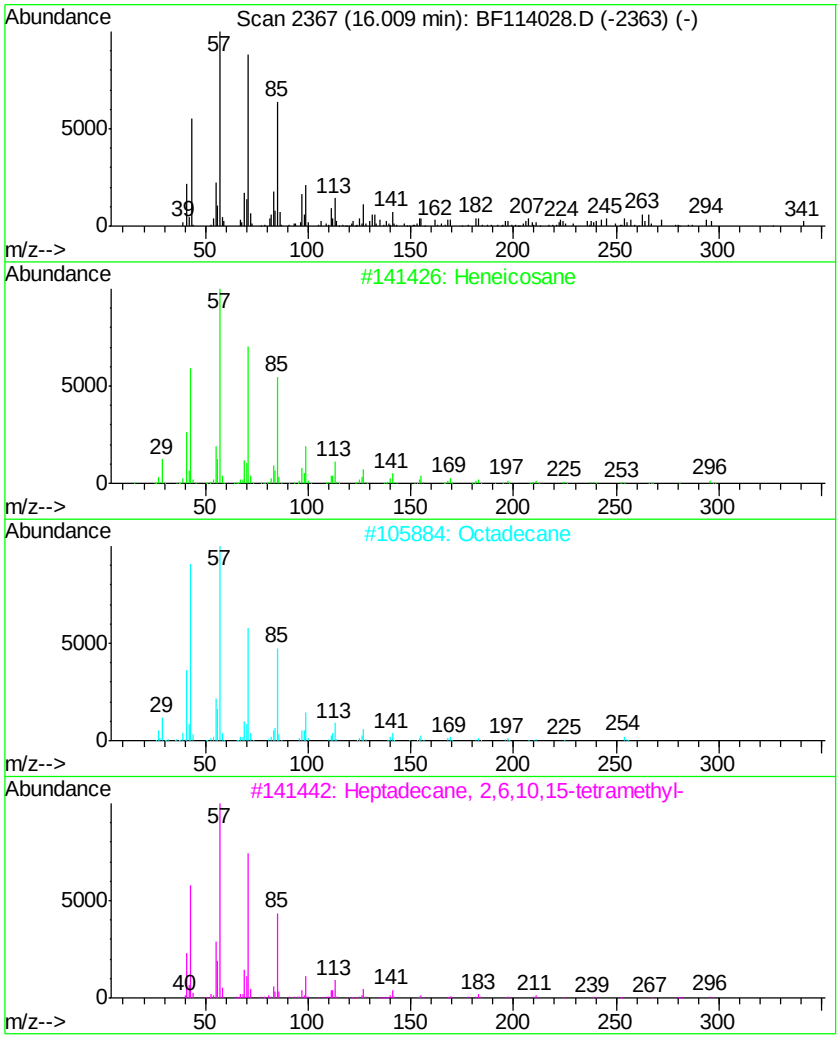
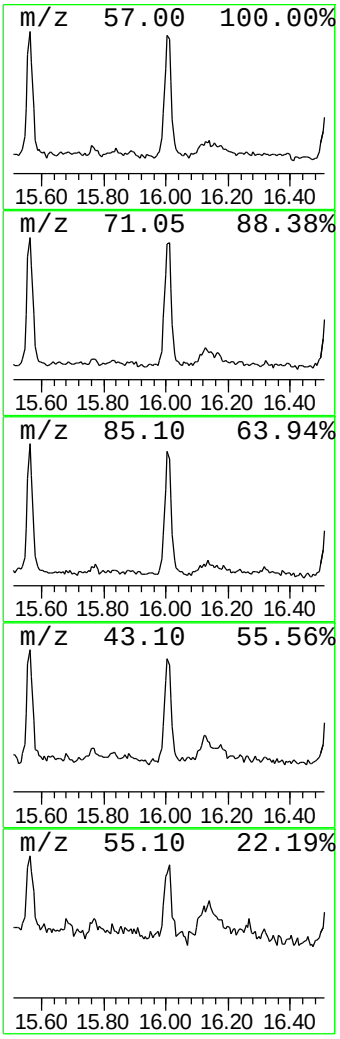
Peak Number 10 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.79 ng	145803	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Octadecane	254	C18H38	000593-45-3	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114028.D
Acq On : 29 Apr 2019 17:44
Operator : JU/SJ
Sample : K2564-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-2_042419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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...	2.19	2.2	ng	78775	1	6.89	719204	20.0
unknown6.66	6.66	59.1	ng	2125460	1	6.89	719204	20.0
n-Hexadecanoic acid	11.93	7.8	ng	456682	4	11.41	1166490	20.0
4H-Cyclopenta[def...	12.02	3.3	ng	190355	4	11.41	1166490	20.0
Octadecanoic acid	12.72	2.6	ng	151705	4	11.41	1166490	20.0
Behenic alcohol	13.92	4.0	ng	293112	5	14.04	1476070	20.0
Octadecane	15.17	2.5	ng	130001	6	15.53	1045380	20.0
Benzo[e]pyrene	15.40	5.4	ng	284345	6	15.53	1045380	20.0
Heneicosane	16.01	2.8	ng	145803	6	15.53	1045380	20.0