LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

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-BF090518.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	5.331	506	509	513	rBV	475106	434256	18.57%	1.803%
2	6.360	680	684	688	rBV	533191	475851	20.35%	1.976%
3	6.495	704	707	711	rBV	553953	483668	20.69%	2.008%
4	6.736	744	748	751	rBV	1964976	1580064	67.58%	6.560%
5	6.889	771	774	778	rBV	498265	382246	16.35%	1.587%
6	7.289	838	842	845	rBV	358619	288317	12.33%	1.197%
7	8.019	962	966	969	rBV	2645327	2111834	90.32%	8.768%
8	9.089	1145	1148	1151	rBV	819073	587258	25.12%	2.438%
9	9.424	1202	1205	1208	rBV	33352	32110	1.37%	0.133%
10	9.483	1212	1215	1223	rVB	156465	128726	5.51%	0.534%
11	9.624	1236	1239	1242	rVB	129380	95732	4.09%	0.397%
12	9.766	1259	1263	1267	rBV2	2717651	2338072	100.00%	9.707%
13	9.795	1267	1268	1272	rVB	59032	42428	1.81%	0.176%
14	9.966	1292	1297	1301	rVB	51048	54944	2.35%	0.228%
15	10.083	1312	1317	1319	rBV2	24389	28362	1.21%	0.118%
16	10.177	1328	1333	1337	rBV5	15470	28751	1.23%	0.119%
17	10.307	1352	1355	1362	rVB	94561	89418	3.82%	0.371%
18	10.542	1392	1395	1401	rBV2	275369	262497	11.23%	1.090%
19	10.677	1414	1418	1421	rBV4	30511	40606	1.74%	0.169%
20	10.854	1444	1448	1451	rBV	28880	37438	1.60%	0.155%
21	11.042	1478	1480	1486	rVB4	25697	28909	1.24%	0.120%
22	11.136	1492	1496	1499	rBV2	55111	58680	2.51%	0.244%
23	11.242	1510	1514	1516	rBV	2498275	2079088	88.92%	8.632%
24	11.266	1516	1518	1521	rVB	830345	597906	25.57%	2.482%
25	11.313	1521	1526	1529	rBV	164184	155476	6.65%	0.646%
26	11.348	1529	1532	1536	rBV4	32202	34665	1.48%	0.144%
27	11.466	1548	1552	1556	rBV	53410	55738	2.38%	0.231%
28	11.571	1568	1570	1573	rVB2	44924	36877	1.58%	0.153%
29	11.654	1582	1584	1588	rVB	29648	28804	1.23%	0.120%
30	11.742	1596	1599	1601	rBV	143500	124213	5.31%	0.516%
31	11.771	1601	1604	1609	rVB	211509	178983	7.66%	0.743%
32	11.818	1609	1612	1614	rBV	60509	55356	2.37%	0.230%
33	11.854	1614	1618	1620	rVV	228997	238441	10.20%	0.990%
34	11.877	1620	1622	1626	rVB	109912	88029	3.77%	0.365%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.965	1634	1637	1641	rVB3	28496	39297	1.68%	0.163%
36	12.036	1646	1649	1651	rBV	82416	73996	3.16%	0.307%
37	12.113	1660	1662	1665	rBV3	20729	26046	1.11%	0.108%
38	12.218	1677	1680	1682	rBV	46903	38896	1.66%	0.161%
39	12.242	1682	1684	1686	rVB	41763	33031	1.41%	0.137%
40	12.289	1689	1692	1695	rBV	106437	116392	4.98%	0.483%
41	12.324	1695	1698	1700	rVV2	71673	79795	3.41%	0.331%
42	12.371	1704	1706	1711	rVV3	66209	91358	3.91%	0.379%
43	12.448	1715	1719	1723	rVB	1092358	907318	38.81%	3.767%
44	12.542	1732	1735	1737	rVB	58719	46991	2.01%	0.195%
45	12.577	1737	1741	1742	rBV3	27823	30050	1.29%	0.125%
46	12.595	1742	1744	1749	rVB3	34088	43788	1.87%	0.182%
47	12.671	1752	1757	1760	rBV	934056	983679	42.07%	4.084%
48	12.795	1775	1778	1780	rBV	59144	60533	2.59%	0.251%
49	12.818	1780	1782	1790	rVB	513185	506290	21.65%	2.102%
50	12.895	1790	1795	1798	rBV3	95576	151252	6.47%	0.628%
51	12.983	1806	1810	1811	rBV2	71407	85256	3.65%	0.354%
52	13.001	1811	1813	1816	rVB	148241	129986	5.56%	0.540%
53	13.071	1822	1825	1827	rBV2	105615	93393	3.99%	0.388%
54	13.107	1828	1831	1834	rBV	139135	120403	5.15%	0.500%
55	13.195	1844	1846	1849	rVB	86899	77042	3.30%	0.320%
56	13.230	1849	1852	1856	rBV	86477	83521	3.57%	0.347%
57	13.507	1896	1899	1904	rVB	81290	97551	4.17%	0.405%
58	13.612	1913	1917	1921	rBV2	92154	163212	6.98%	0.678%
59	13.648	1921	1923	1925	rVV	68587	52852	2.26%	0.219%
60	13.707	1931	1933	1936	rBV2	54421	49135	2.10%	0.204%
61	13.865	1955	1960	1963	rBV2	1897815	2202935	94.22%	9.146%
62	13.889	1963	1964	1967	rVB	391093	282926	12.10%	1.175%
63	14.001	1981	1983	1985	rBV	58536	52247	2.23%	0.217%
64	14.254	2023	2026	2029	rVB	126617	126672	5.42%	0.526%
65	14.283	2029	2031	2035	rVB	75831	66844	2.86%	0.278%
66	14.659	2092	2095	2100	rVB3	126955	149999	6.42%	0.623%
67	14.877	2128	2132	2134	rBV	372691	505178	21.61%	2.097%
68	14.977	2146	2149	2153	rVB	205608	234418	10.03%	0.973%
69	15.159	2176	2180	2185	rBV	205572	258139	11.04%	1.072%
70	15.212	2185	2189	2194	rVV	359567	425325	18.19%	1.766%
71	15.277	2195	2200	2203	rVV	1296774	1518370	64.94%	6.304%

LSC Area Percent Report

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Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.330	2207	2209	2214	rVB	201689	229849	9.83%	0.954%
73	15.742	2275	2279	2283	rVB	195410	268799	11.50%	1.116%
74	16.212	2356	2359	2368	rVB	176466	299193	12.80%	1.242%

Sum of corrected areas: 24085700

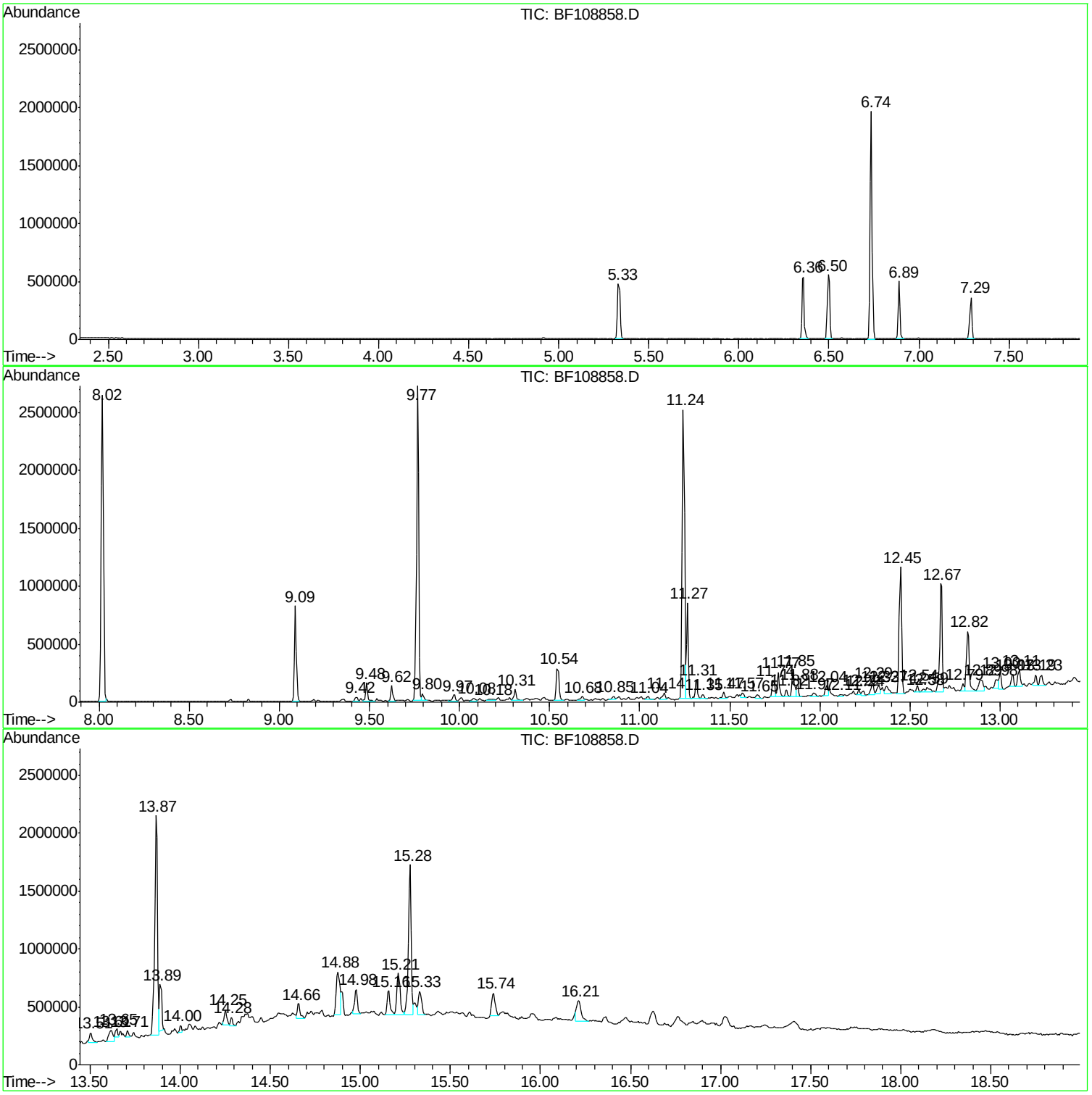
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

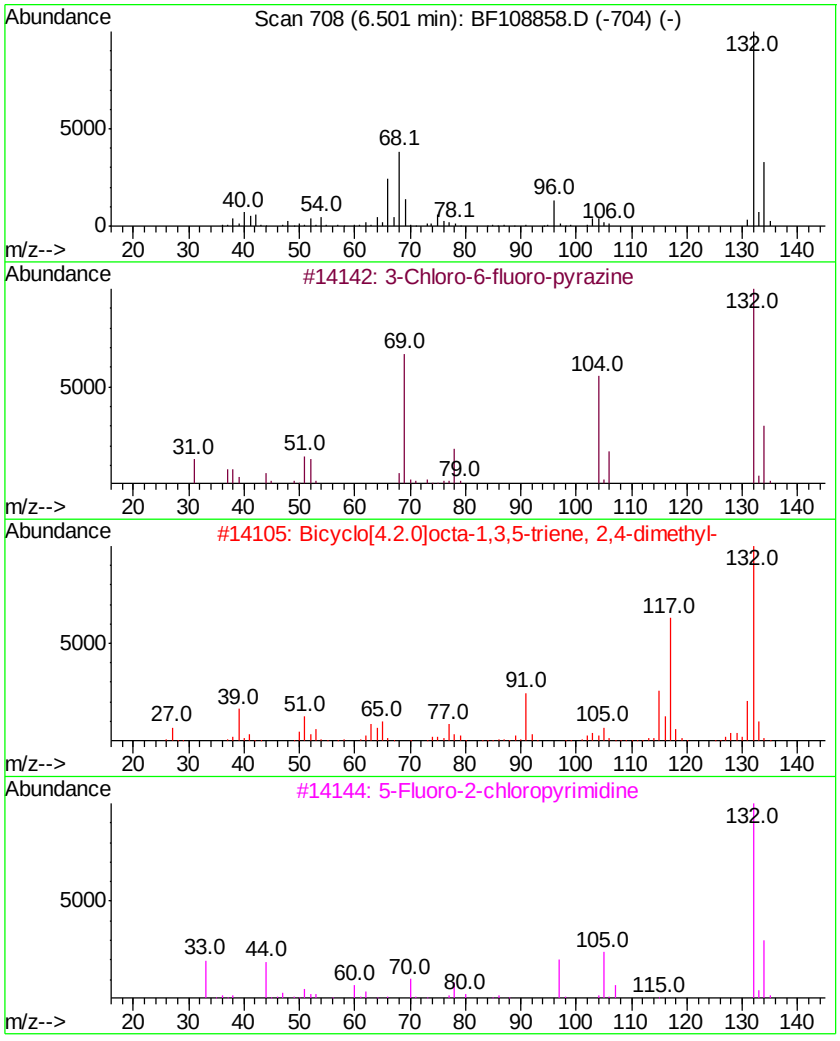
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

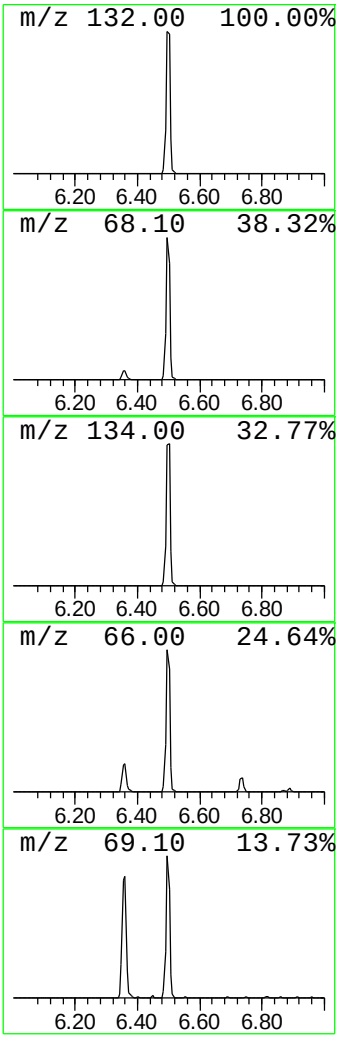
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	6.12 ng	483668	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

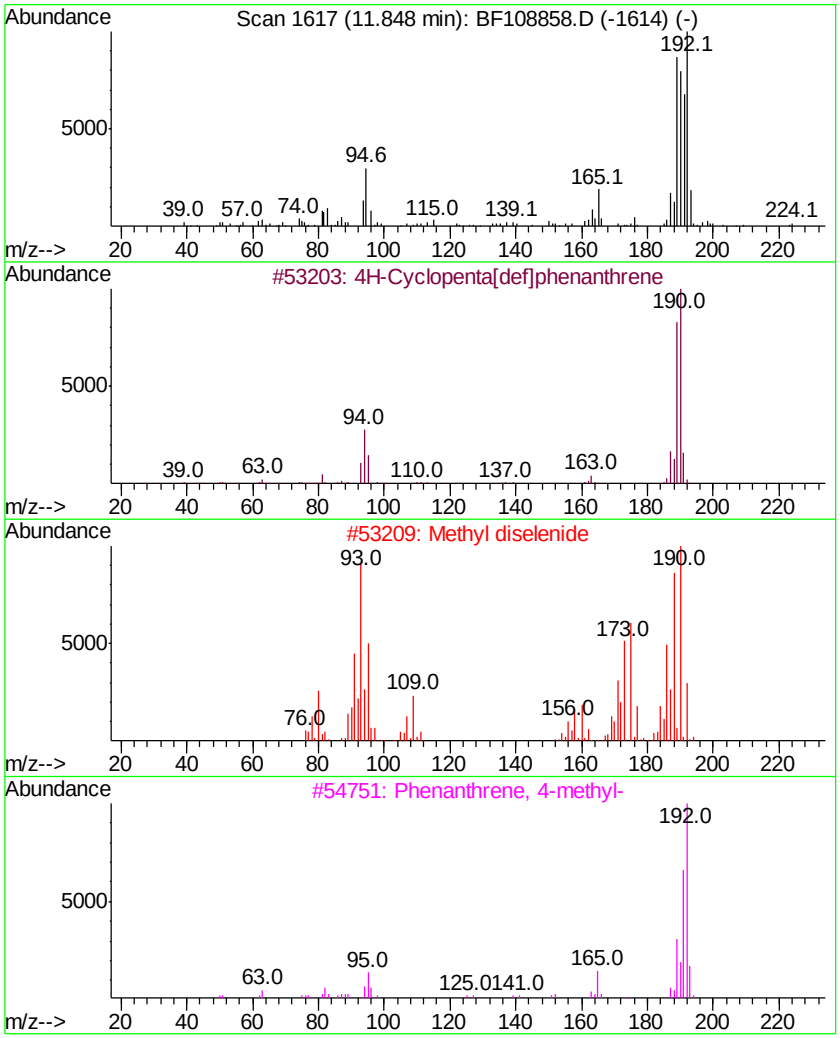
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

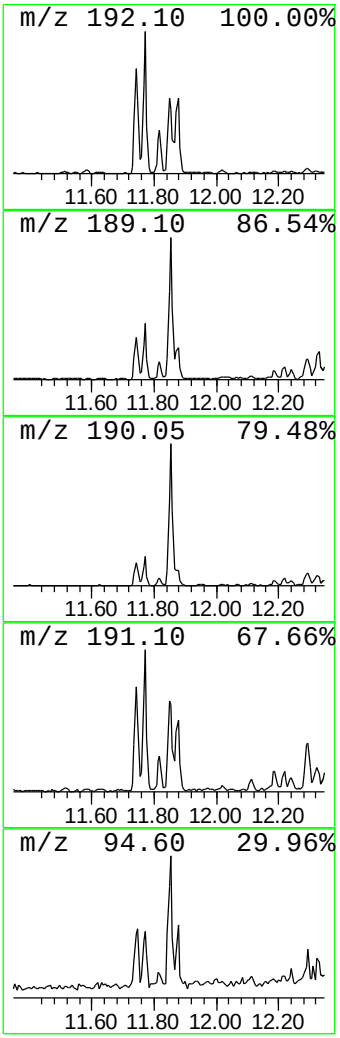
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.29 ng	238441	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

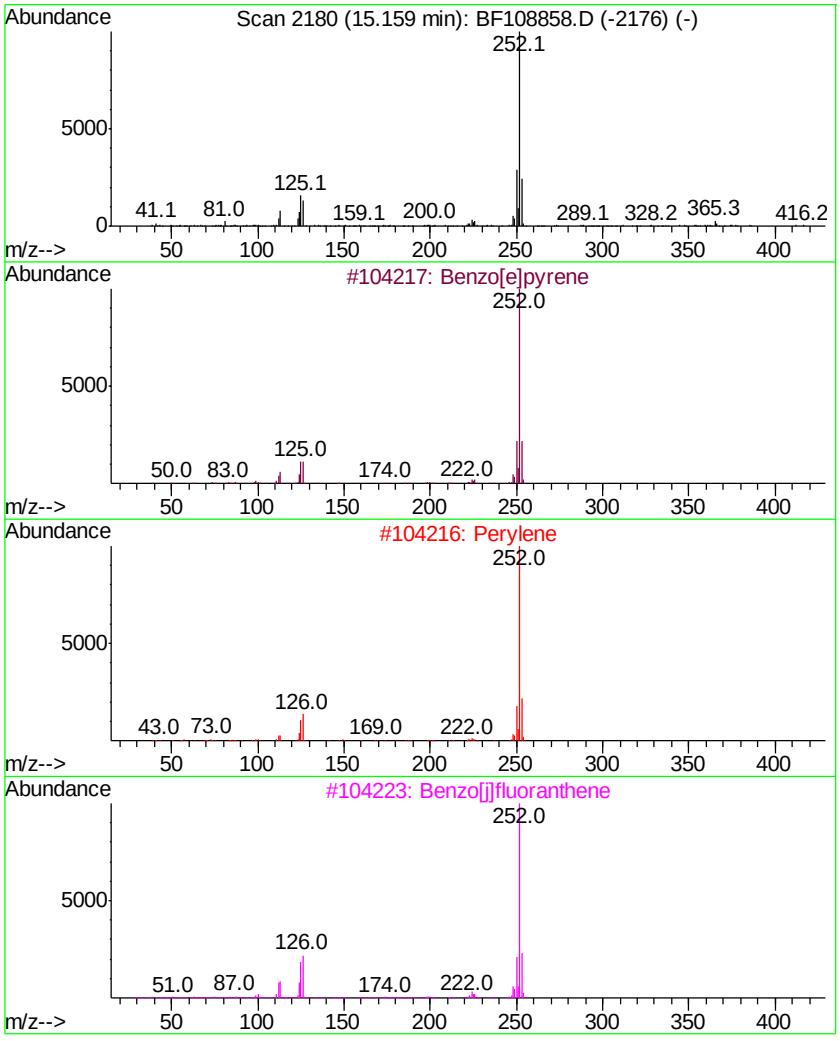
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

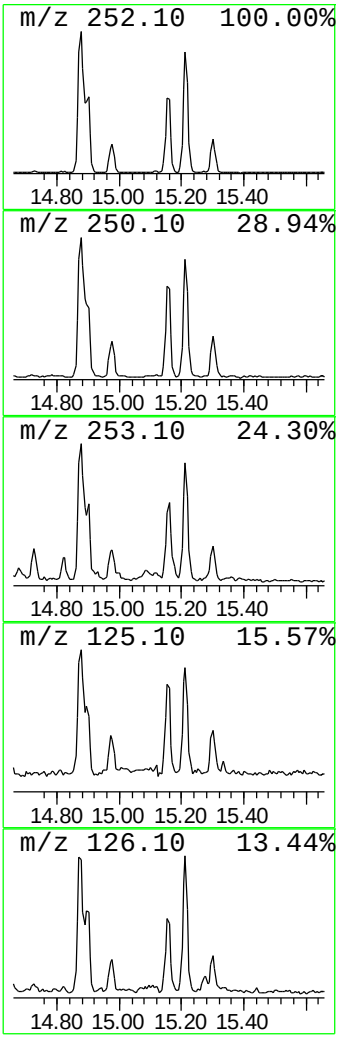
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	3.40 ng	258139	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	91
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Library Search Compound Report

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Acq On : 7 Sep 2018 14:11
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Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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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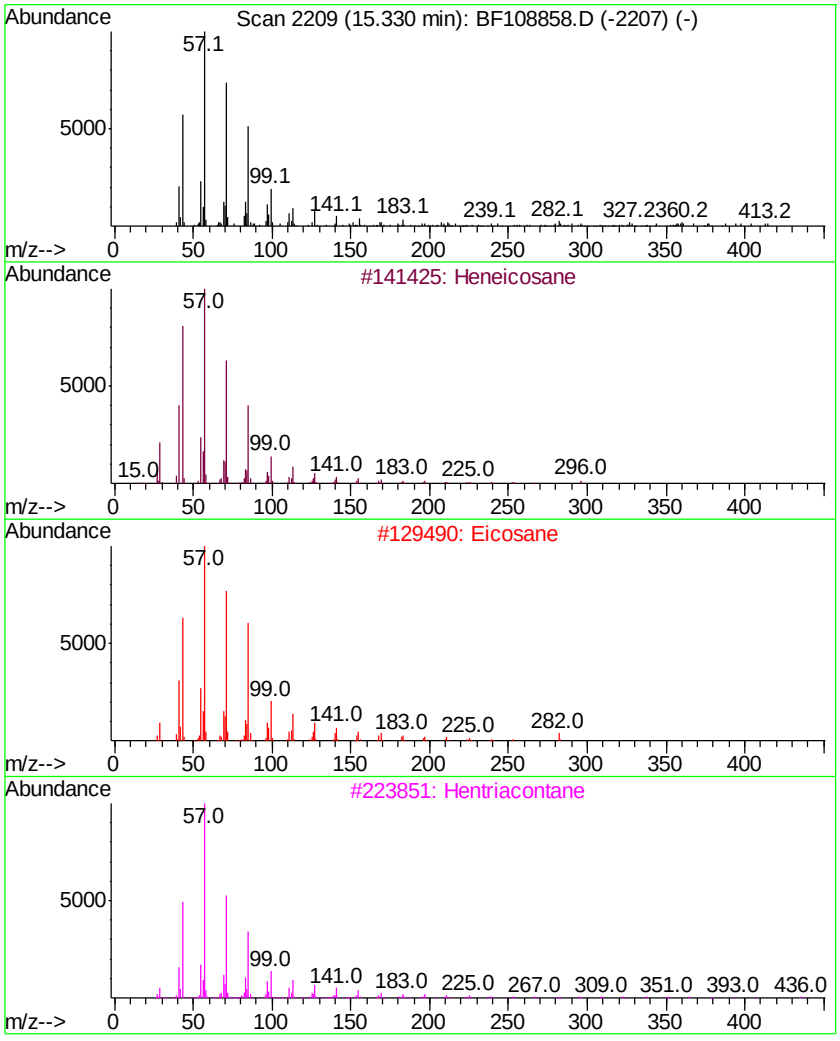
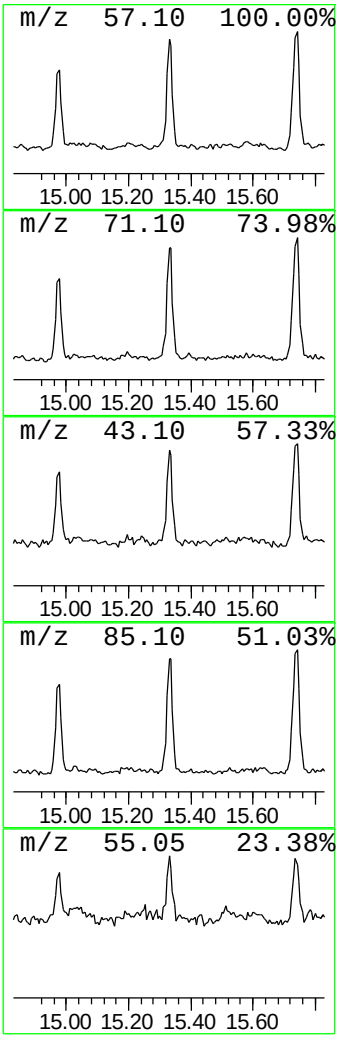
Peak Number 6 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.03 ng	229849	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Hentriacontane	437	C31H64	000630-04-6	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Octacosane	394	C28H58	000630-02-4	86





Library Search Compound Report

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Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

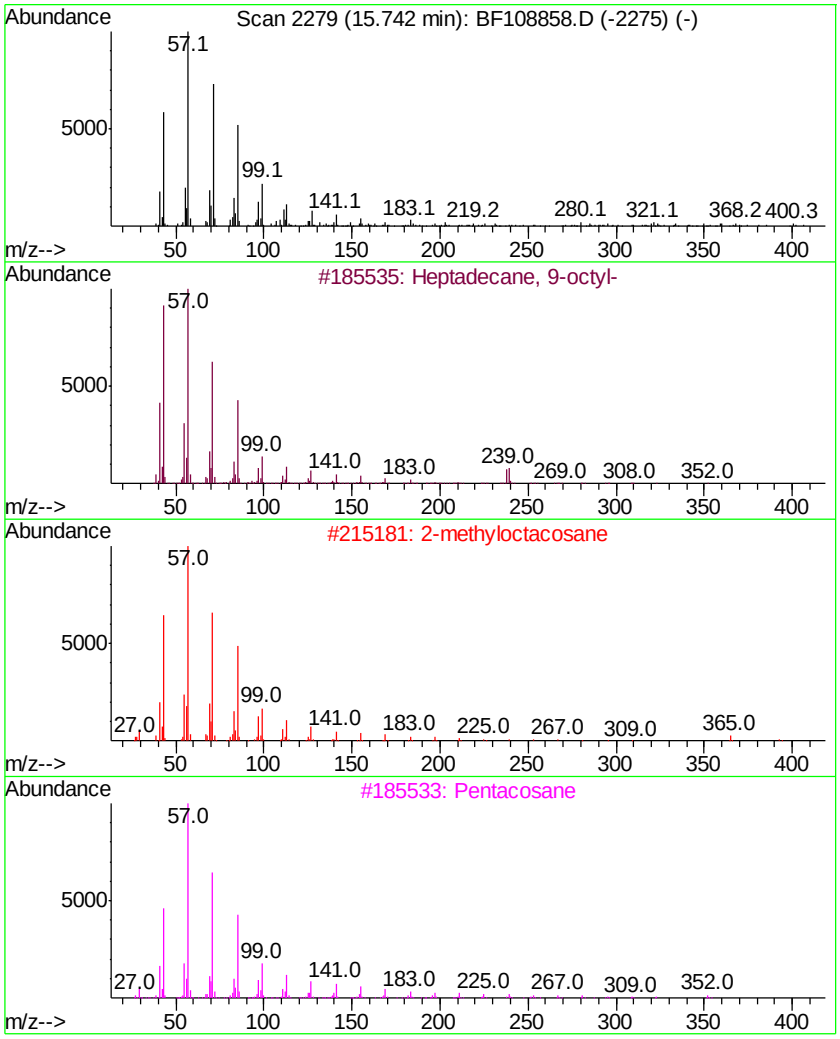
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

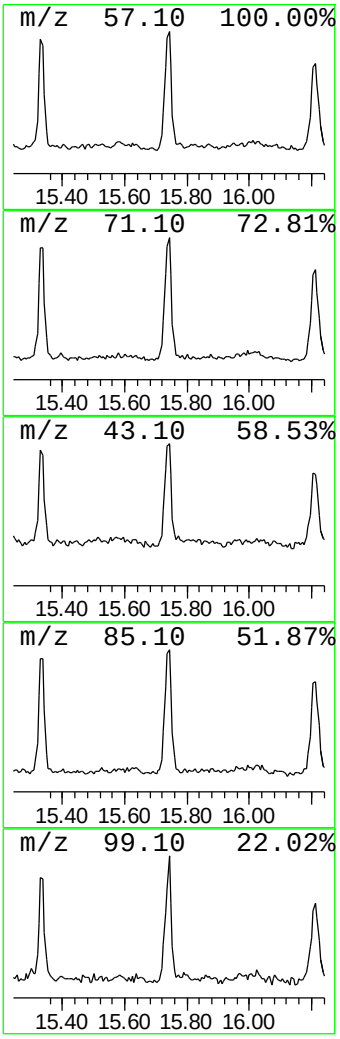
****

Peak Number 7 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	3.54 ng	268799	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
2	2-methyloctacosane	408	C29H60	1000376-72-8	86
3	Pentacosane	352	C25H52	000629-99-2	83
4	Tetratetracontane	619	C44H90	007098-22-8	80
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	74





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Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

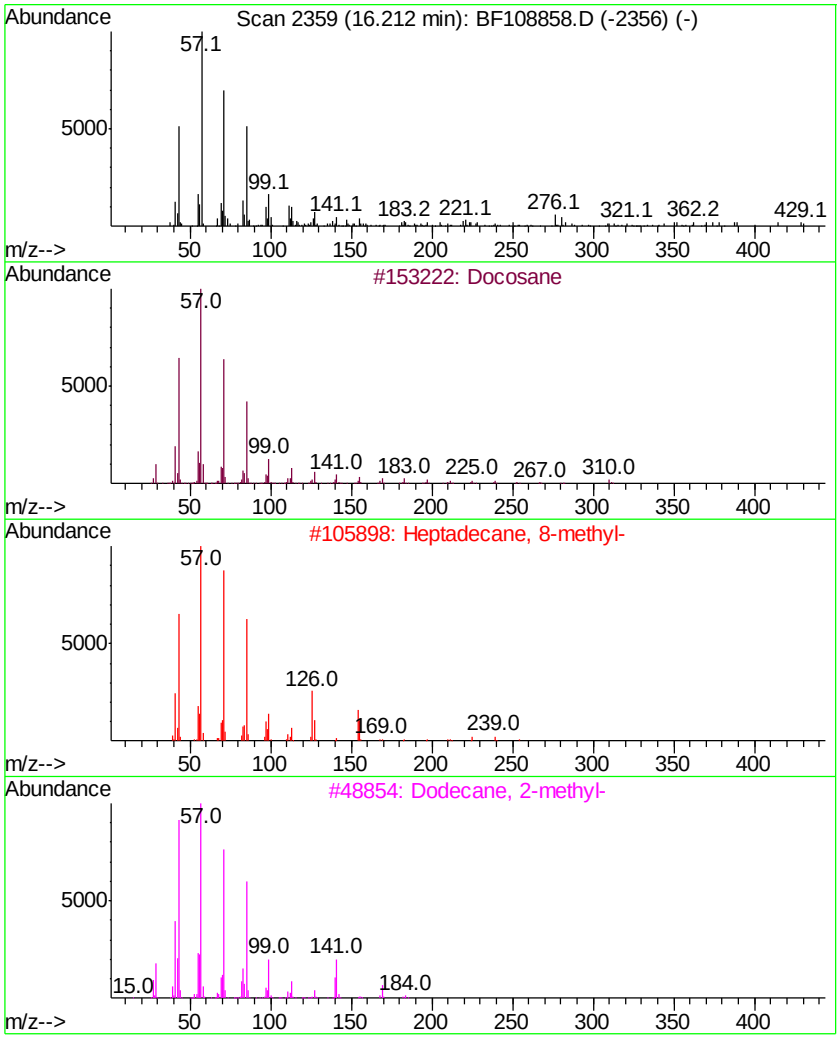
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

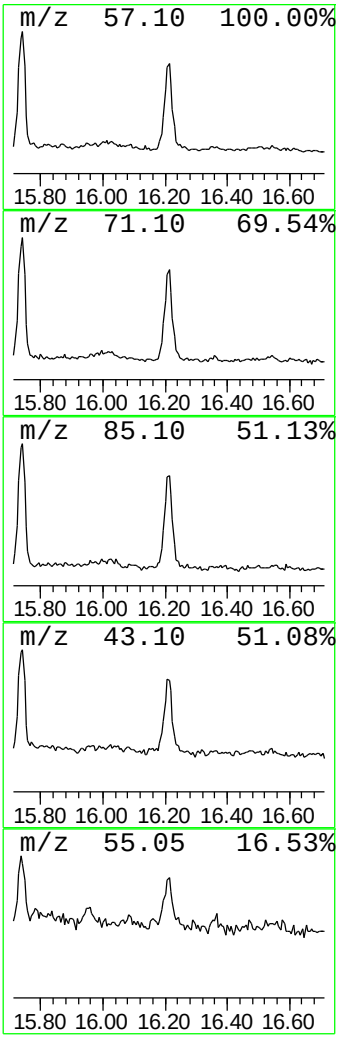
****

Peak Number 8 Docosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	3.94 ng	299193	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	90
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	89
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	81
4	Heneicosane	296	C21H44	000629-94-7	74
5	Octacosane	394	C28H58	000630-02-4	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-090618

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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
unknown6.50	6.50	6.1	ng	483668	1	6.74	1580060	20.0
4H-Cyclopenta[def...	11.85	2.3	ng	238441	4	11.24	2079090	20.0
Benzo[e]pyrene	15.16	3.4	ng	258139	6	15.28	1518370	20.0
Heneicosane	15.33	3.0	ng	229849	6	15.28	1518370	20.0
Heptadecane, 9-oc...	15.74	3.5	ng	268799	6	15.28	1518370	20.0
Docosane	16.21	3.9	ng	299193	6	15.28	1518370	20.0