LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

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:\HPCHEM1\BNA_F\METHODS\8270-BF080416.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	4.627	263	266	280	rVB	128112	308534	23.37%	1.697%
2	5.301	323	325	342	rBV	507257	1045267	79.17%	5.748%
3	6.959	467	470	477	rBV	693900	1080554	81.85%	5.942%
4	7.073	477	480	492	rVB	773944	1241870	94.06%	6.829%
5	7.416	508	510	522	rBV	143441	260509	19.73%	1.433%
6	7.656	528	531	550	rVB	679362	907420	68.73%	4.990%
7	8.330	587	590	600	rBV	449753	695373	52.67%	3.824%
8	8.456	600	601	614	rVB	7995	23077	1.75%	0.127%
9	9.450	685	688	694	rBV	255119	385277	29.18%	2.119%
10	11.233	840	844	846	rBV	817267	1320235	100.00%	7.260%
11	11.919	901	904	910	rBV	127437	179659	13.61%	0.988%
12	12.262	932	934	937	rBV	274576	438623	33.22%	2.412%
13	12.319	937	939	946	rVB2	29469	47262	3.58%	0.260%
14	13.131	1007	1010	1011	rBV	26682	32217	2.44%	0.177%
15	13.165	1011	1013	1018	rVB	16077	25511	1.93%	0.140%
16	13.485	1035	1041	1045	rBV2	8173	26192	1.98%	0.144%
17	13.554	1045	1047	1056	rBV	507087	742605	56.25%	4.084%
18	13.897	1075	1077	1083	rBV	33065	57154	4.33%	0.314%
19	14.628	1139	1141	1142	rBV	16486	18893	1.43%	0.104%
20	14.662	1142	1144	1146	rVV	312088	453199	34.33%	2.492%
21	14.697	1146	1147	1152	rVV	266358	314361	23.81%	1.729%
22	14.788	1152	1155	1161	rVV	50623	91930	6.96%	0.506%
23	15.108	1180	1183	1187	rBV3	6722	20747	1.57%	0.114%
24	15.200	1187	1191	1193	rVV	12277	20466	1.55%	0.113%
25	15.302	1198	1200	1206	rBV2	7424	15837	1.20%	0.087%
26	15.462	1211	1214	1216	rBV	39169	48505	3.67%	0.267%
27	15.508	1216	1218	1221	rVV	33144	47871	3.63%	0.263%
28	15.577	1221	1224	1225	rVV2	11536	14354	1.09%	0.079%
29	15.611	1225	1227	1229	rVV	62167	87537	6.63%	0.481%
30	15.668	1229	1232	1238	rVB2	133399	255540	19.36%	1.405%
31	15.920	1251	1254	1256	rBV	25736	40727	3.08%	0.224%
32	15.954	1256	1257	1261	rVB	14707	20422	1.55%	0.112%
33	16.274	1282	1285	1286	rBV	29161	45801	3.47%	0.252%
34	16.308	1286	1288	1290	rVV2	21129	30915	2.34%	0.170%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

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:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.388	1293	1295	1299	rVB	27524	43257	3.28%	0.238%
36	16.468	1299	1302	1306	rBV	483871	583516	44.20%	3.209%
37	16.571	1310	1311	1317	rBV3	12576	37175	2.82%	0.204%
38	16.674	1317	1320	1326	rBV3	14099	46972	3.56%	0.258%
39	16.765	1326	1328	1334	rVV	464818	665756	50.43%	3.661%
40	16.857	1334	1336	1338	rVV2	13998	29825	2.26%	0.164%
41	16.891	1338	1339	1342	rVV2	16530	20885	1.58%	0.115%
42	16.971	1344	1346	1348	rBV	20530	33988	2.57%	0.187%
43	17.028	1348	1351	1354	rVV	864489	1054724	79.89%	5.800%
44	17.097	1354	1357	1360	rVV2	27184	64699	4.90%	0.356%
45	17.211	1363	1367	1368	rBV2	26066	54166	4.10%	0.298%
46	17.234	1368	1369	1373	rVB	39513	61380	4.65%	0.338%
47	17.325	1375	1377	1379	rVV	33628	42889	3.25%	0.236%
48	17.371	1379	1381	1385	rVV3	43336	97739	7.40%	0.537%
49	17.440	1385	1387	1389	rVV	16400	28781	2.18%	0.158%
50	17.485	1389	1391	1393	rVV	28678	35527	2.69%	0.195%
51	17.531	1393	1395	1398	rVB	12604	24623	1.87%	0.135%
52	17.885	1424	1426	1427	rBV2	13414	17976	1.36%	0.099%
53	17.920	1427	1429	1434	rVB	20426	34567	2.62%	0.190%
54	18.046	1436	1440	1441	rBV	25268	55852	4.23%	0.307%
55	18.137	1446	1448	1451	rVV3	18810	29592	2.24%	0.163%
56	18.194	1451	1453	1455	rVV	16813	20994	1.59%	0.115%
57	18.286	1458	1461	1464	rBV2	96068	171377	12.98%	0.942%
58	18.354	1464	1467	1469	rVV2	307812	567720	43.00%	3.122%
59	18.400	1469	1471	1473	rVV	167099	265745	20.13%	1.461%
60	18.446	1473	1475	1477	rVV	41211	61846	4.68%	0.340%
61	18.491	1477	1479	1481	rVB	31337	43507	3.30%	0.239%
62	18.697	1494	1497	1501	rVB2	21417	40817	3.09%	0.224%
63	18.868	1506	1512	1514	rBV	39208	92458	7.00%	0.508%
64	19.086	1529	1531	1538	rVB3	88919	174205	13.19%	0.958%
65	19.280	1547	1548	1552	rBV3	14315	28009	2.12%	0.154%
66	19.463	1562	1564	1567	rBV3	30101	49129	3.72%	0.270%
67	19.520	1567	1569	1571	rVB	27417	28751	2.18%	0.158%
68	19.623	1574	1578	1584	rVV	212117	507795	38.46%	2.792%
69	19.737	1586	1588	1590	rVB	35976	49379	3.74%	0.272%
70	19.806	1592	1594	1601	rVV2	114140	322097	24.40%	1.771%
71	19.909	1601	1603	1606	rVV	140414	176001	13.33%	0.968%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

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:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.966	1606	1608	1611	rVV	173905	240710	18.23%	1.324%
73	20.023	1611	1613	1621	rVB2	247793	377443	28.59%	2.076%
74	20.309	1635	1638	1642	rVB3	72759	120610	9.14%	0.663%
75	20.491	1651	1654	1656	rBV	141883	181840	13.77%	1.000%
76	20.537	1656	1658	1660	rVV2	38123	61152	4.63%	0.336%
77	20.674	1668	1670	1674	rVB2	19012	35668	2.70%	0.196%
78	20.903	1688	1690	1695	rVB3	21611	41278	3.13%	0.227%
79	21.086	1701	1706	1714	rVB5	75592	175228	13.27%	0.964%
80	21.200	1714	1716	1721	rBV2	91831	175341	13.28%	0.964%
81	21.314	1724	1726	1730	rBV2	31701	81607	6.18%	0.449%
82	21.383	1730	1732	1736	rVV4	26768	63725	4.83%	0.350%
83	21.532	1743	1745	1750	rBV	71574	145823	11.05%	0.802%
84	21.623	1750	1753	1758	rVV2	52409	120126	9.10%	0.661%
85	21.737	1760	1763	1769	rVB	22916	55763	4.22%	0.307%
86	22.000	1783	1786	1791	rVB6	20339	56595	4.29%	0.311%
87	22.137	1794	1798	1801	rBV2	29700	75538	5.72%	0.415%
88	22.377	1815	1819	1822	rBV2	22014	47891	3.63%	0.263%
89	23.109	1880	1883	1891	rVB5	11780	40551	3.07%	0.223%
90	23.269	1893	1897	1903	rBV	12450	44881	3.40%	0.247%
91	23.429	1908	1911	1913	rBV4	6394	15716	1.19%	0.086%
92	24.126	1969	1972	1975	rBV3	7103	19742	1.50%	0.109%

Sum of corrected areas: 18185391

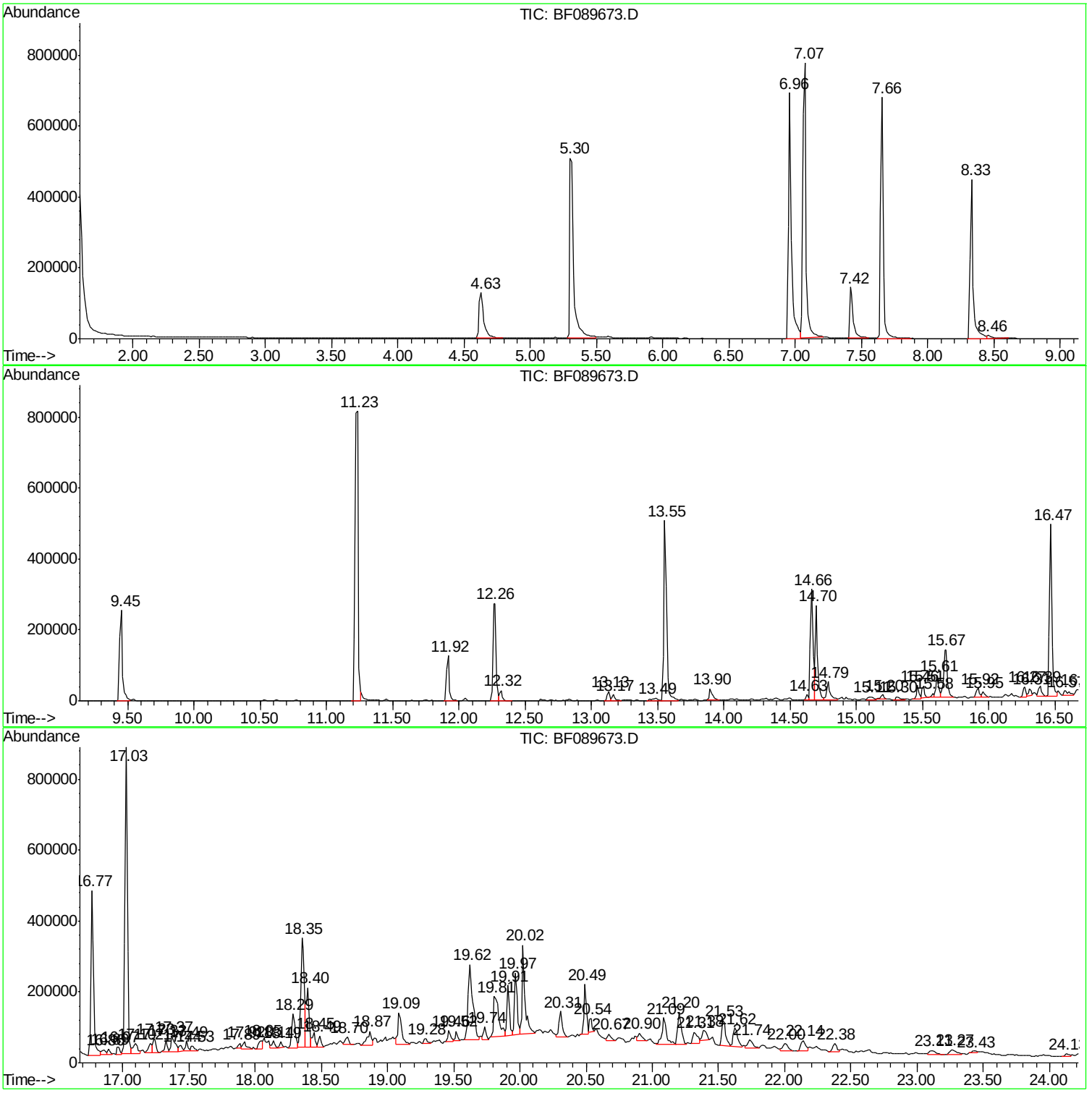
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

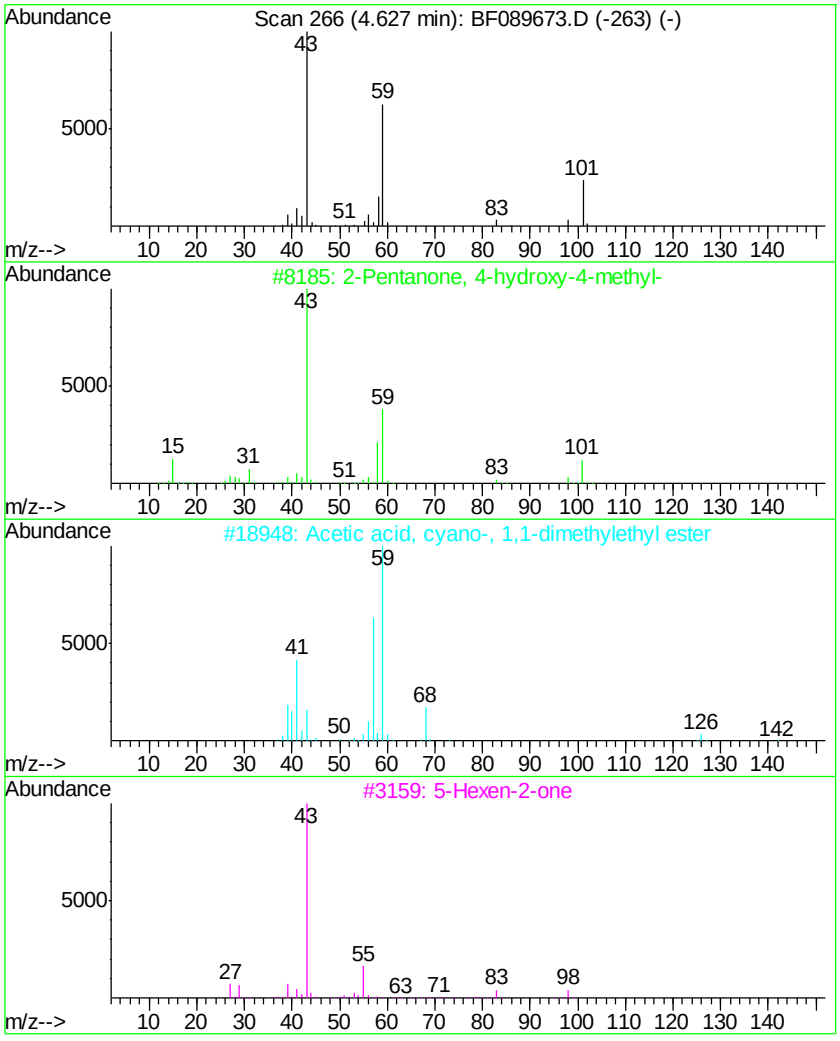
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

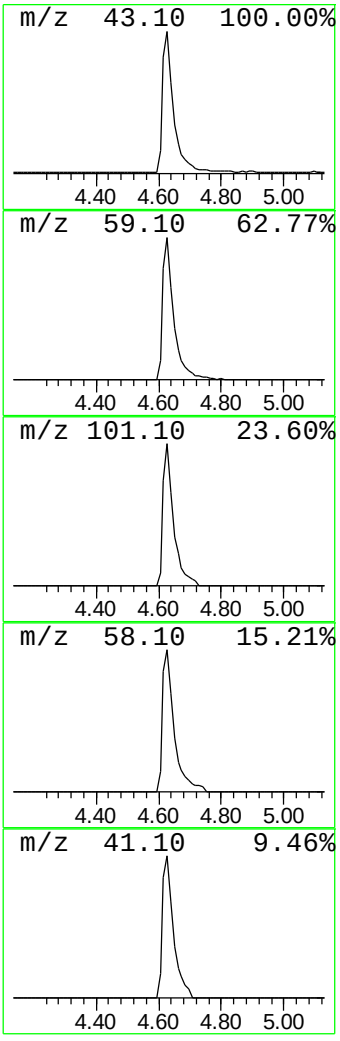
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	23.69 ng	308534	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

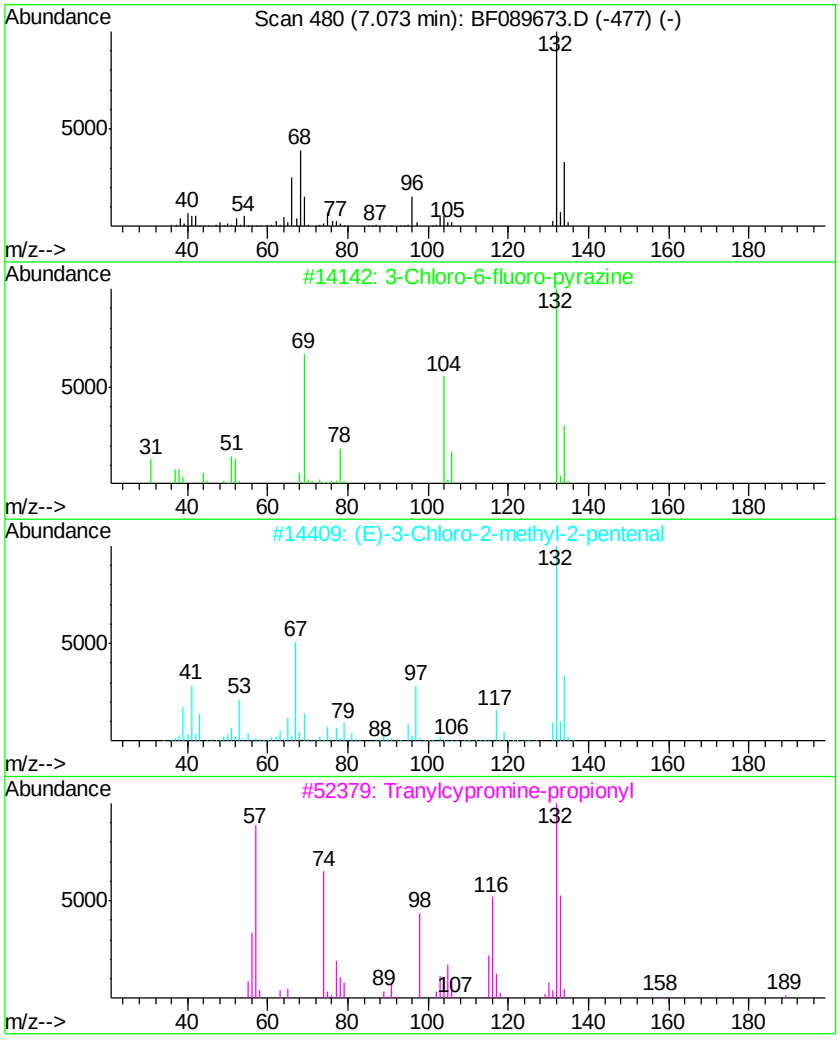
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

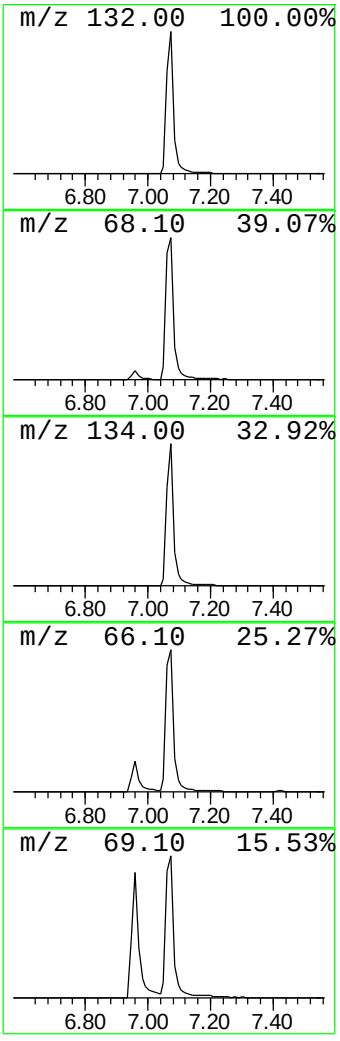
****

Peak Number 2 unknown7.07 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	95.34 ng	1241870	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

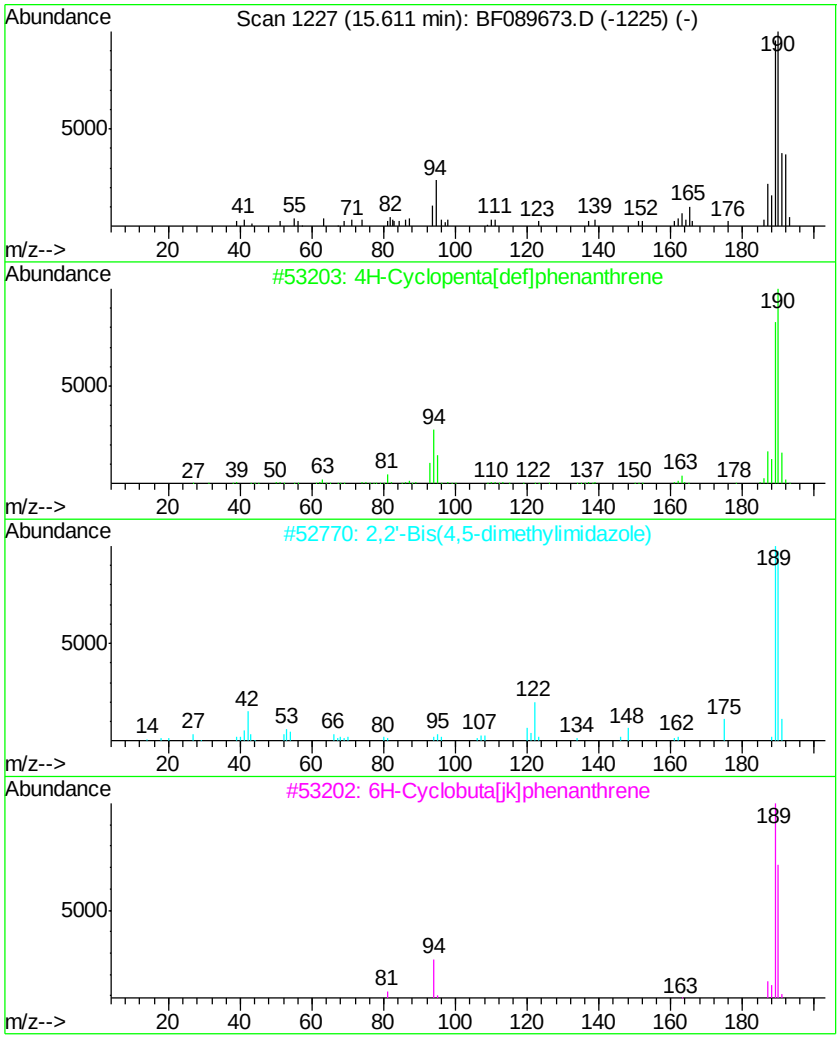
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

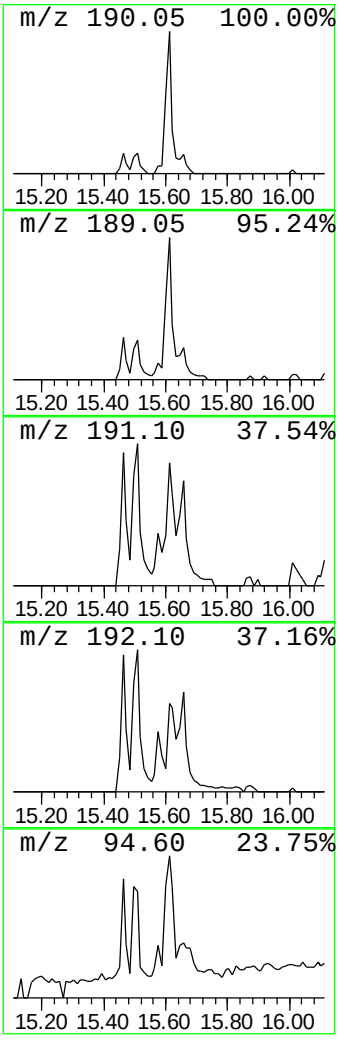
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	3.86 ng	87537	Phenanthrene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

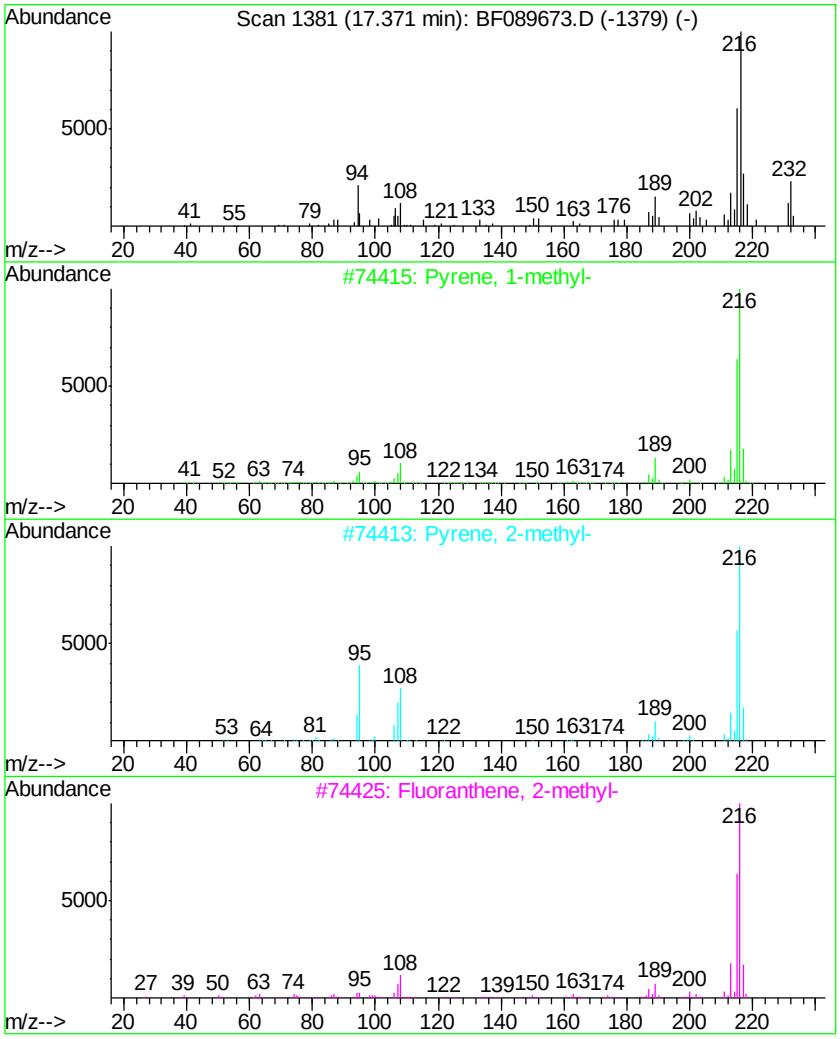
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

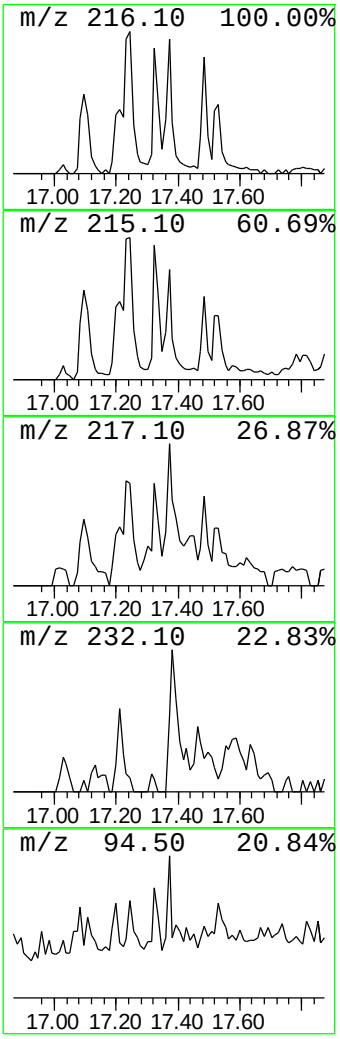
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	3.44 ng	97739	Chrysene-d12	18.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

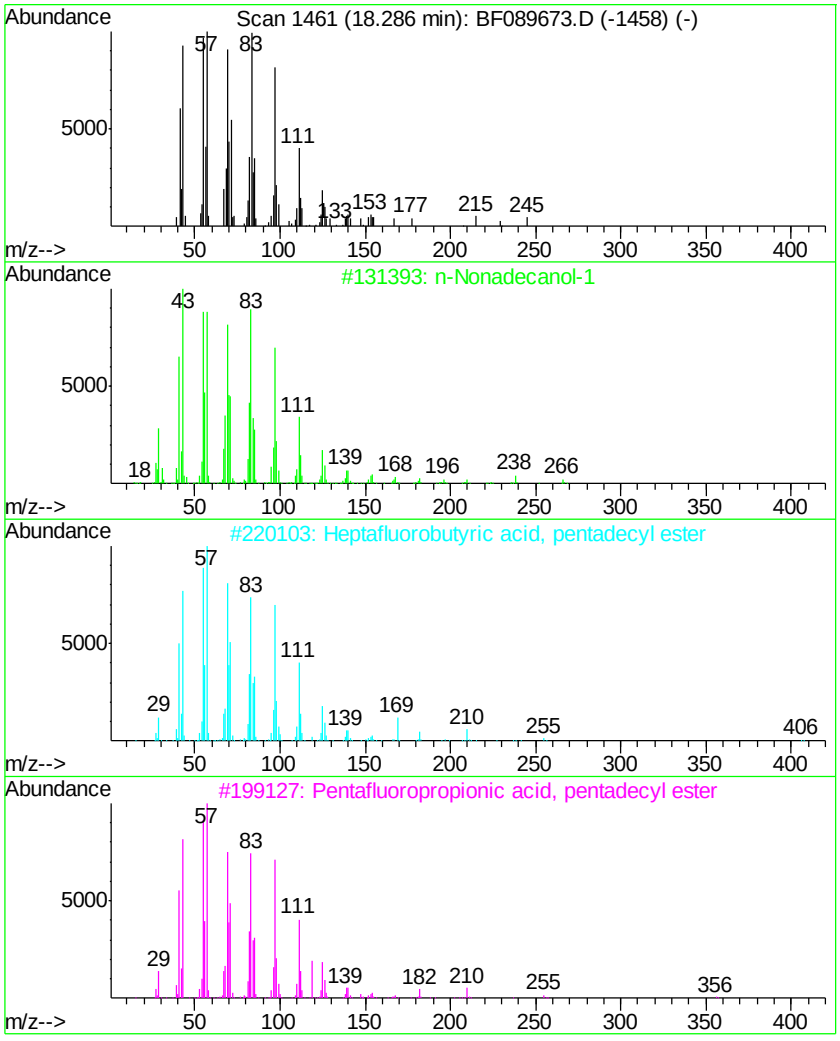
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

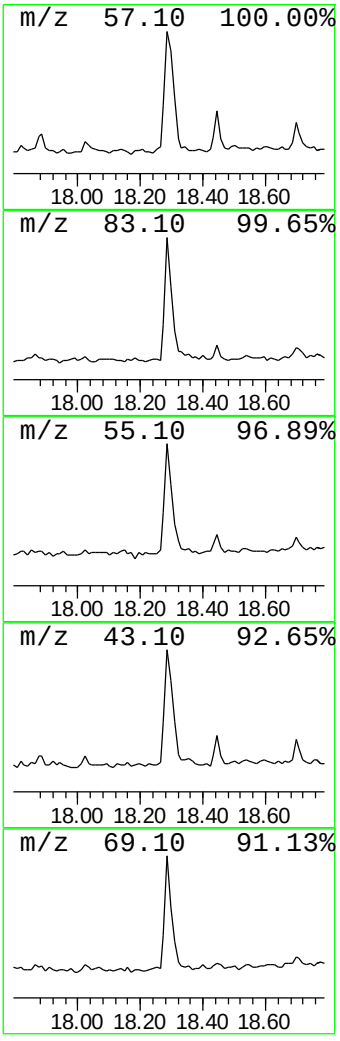
****

Peak Number 6 n-Nonadecanol-1 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	6.04 ng	171377	Chrysene-d12	18.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	95
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

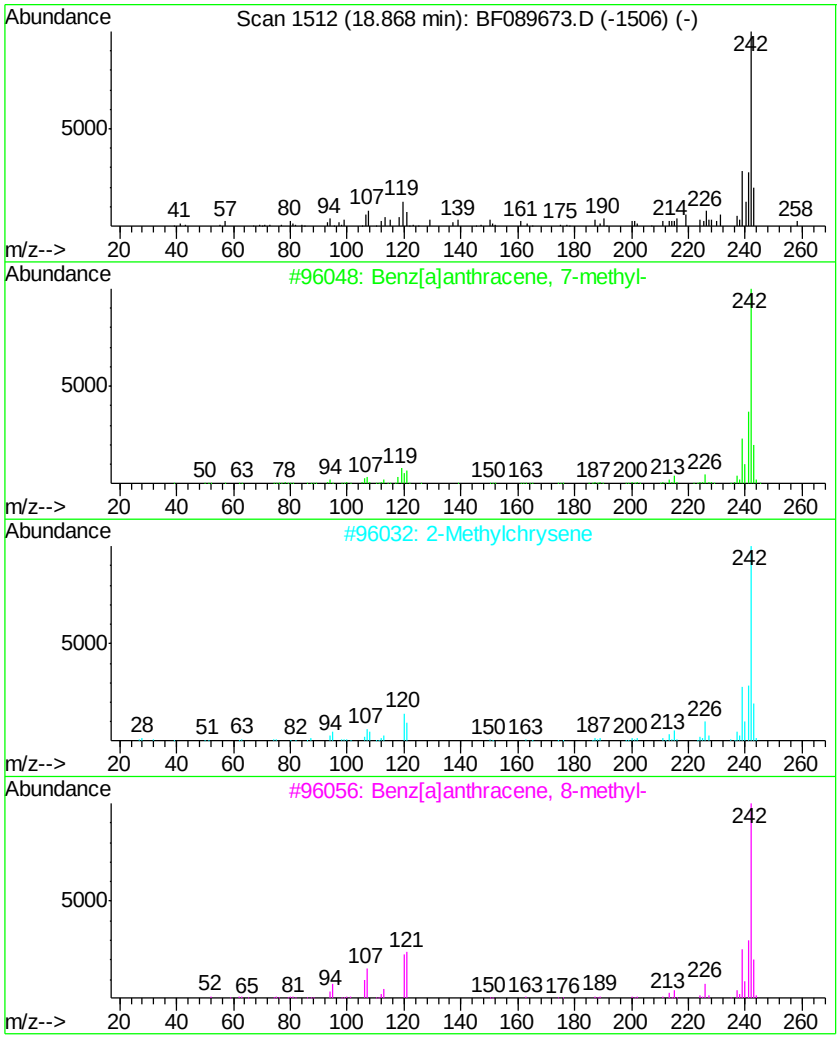
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

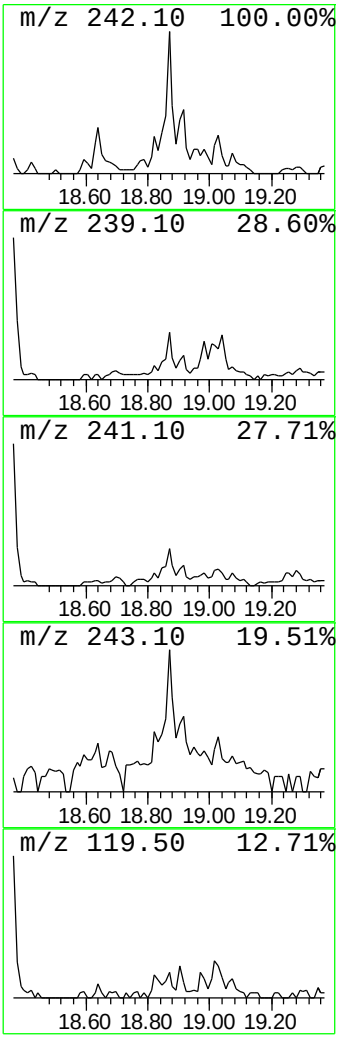
****

Peak Number 7 Benz[a]anthracene, 7-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.26 ng	92458	Chrysene-d12	18.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	2-Methylchrysene	242	C19H14	003351-32-4	89
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

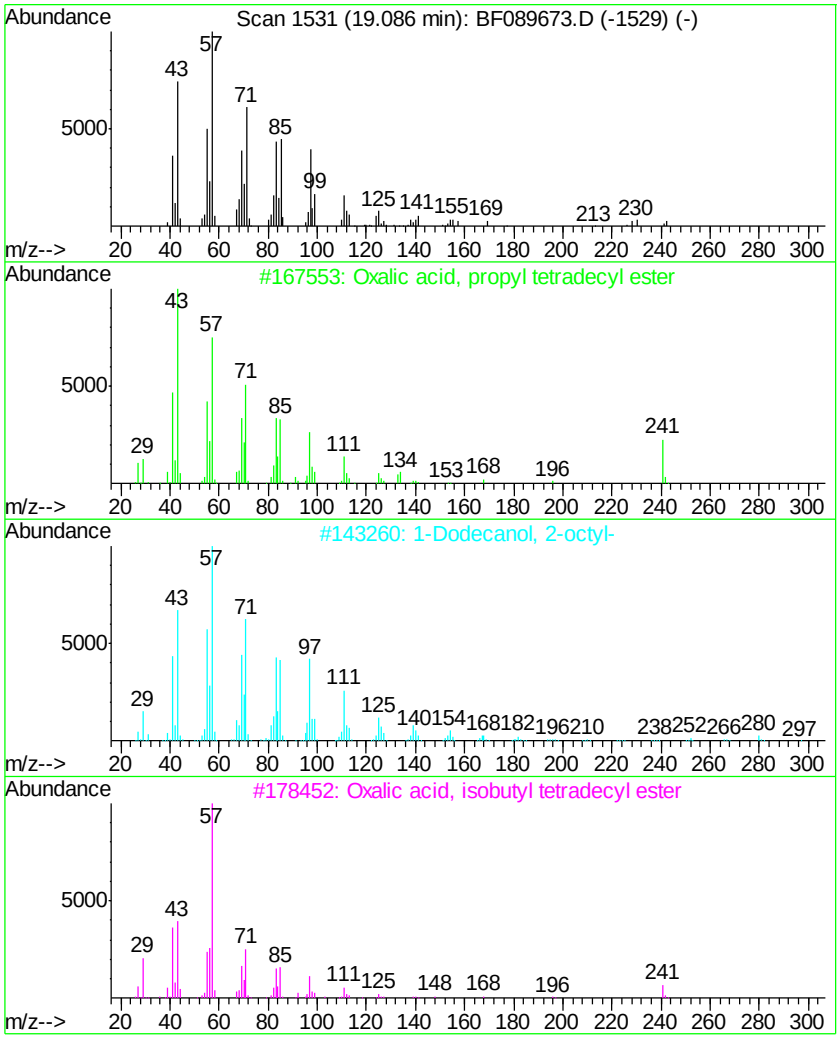
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

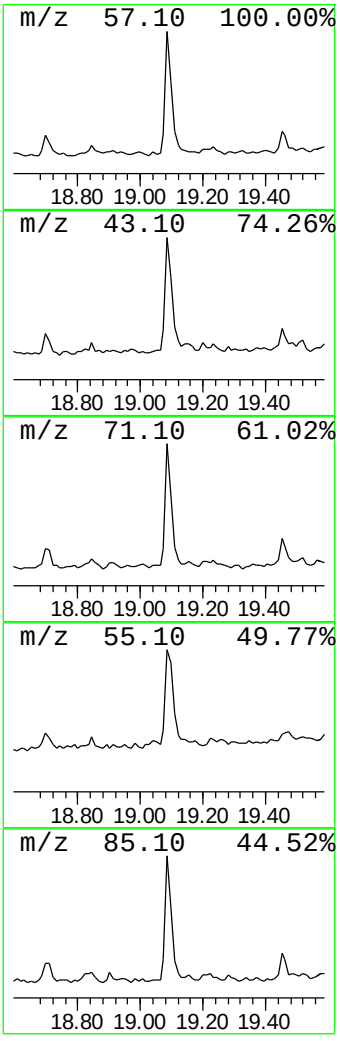
****

Peak Number 8 Oxalic acid, propyl tetrade... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	6.14 ng	174205	Chrysene-d12	18.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	87
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	86
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	72
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	62
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	62





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

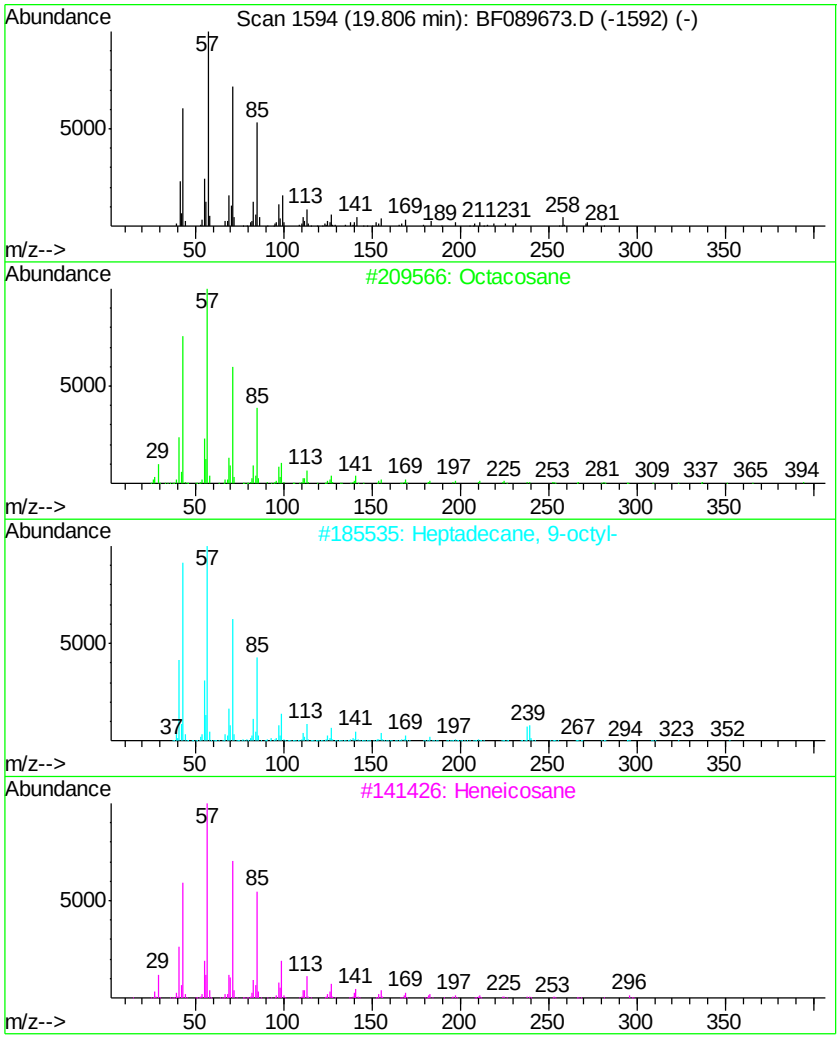
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

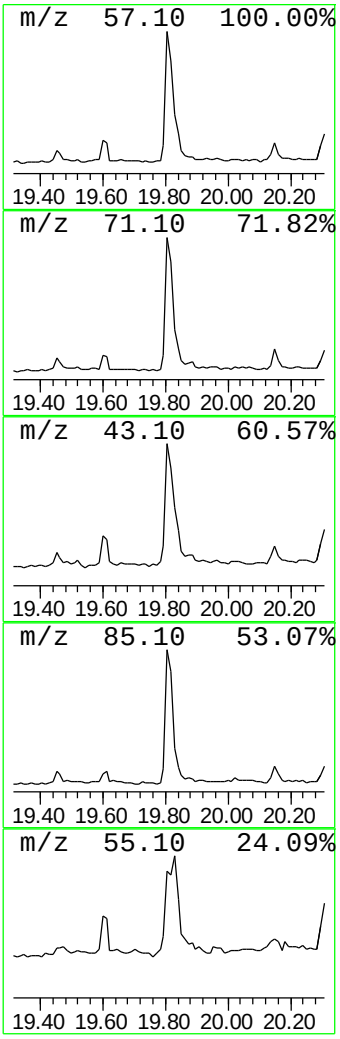
****

Peak Number 9 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	17.07 ng	322097	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hexacosane	366	C26H54	000630-01-3	87
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

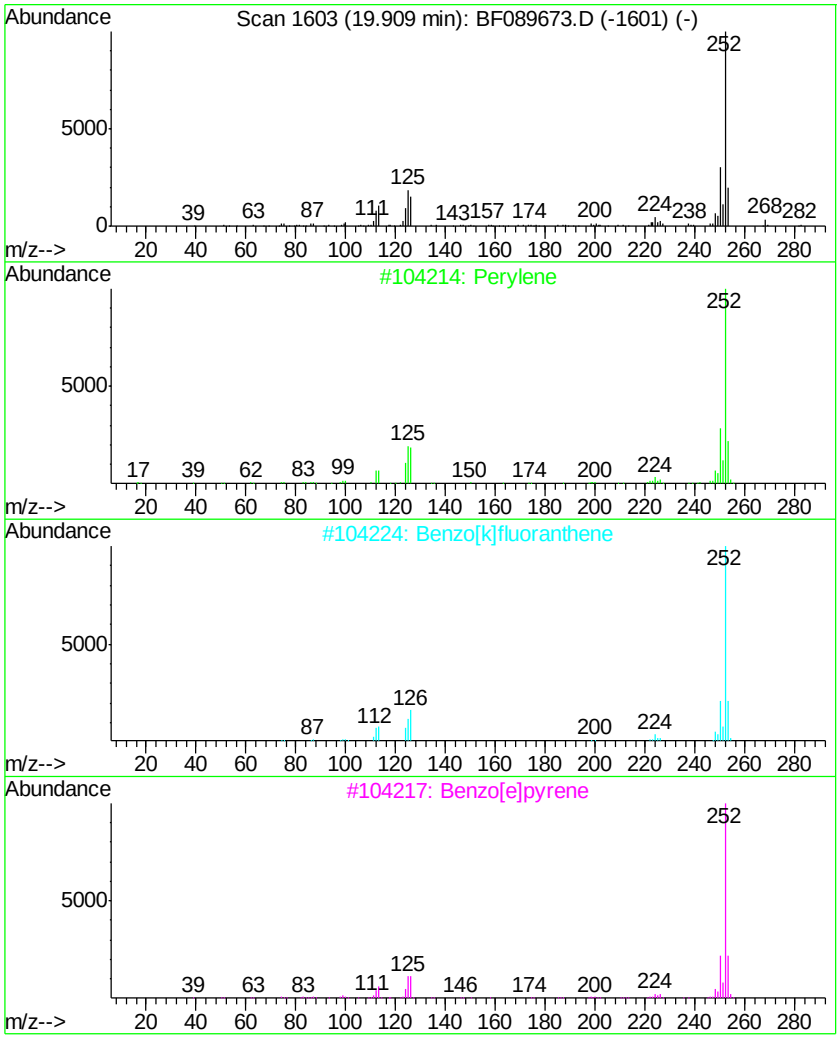
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

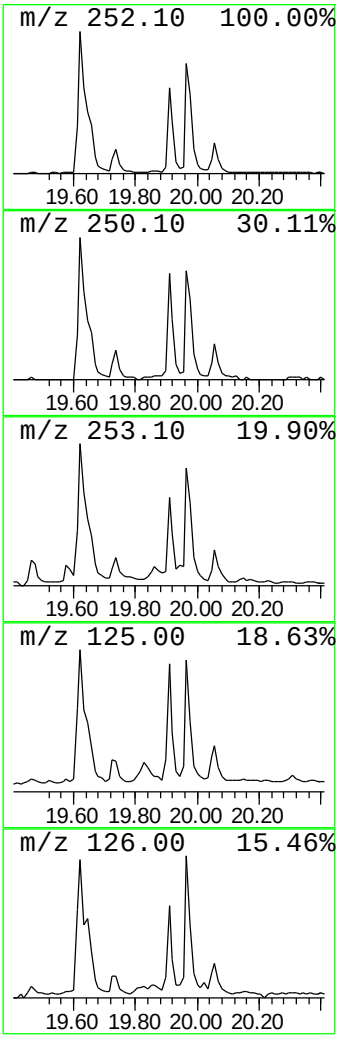
****

Peak Number 10 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	9.33 ng	176001	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

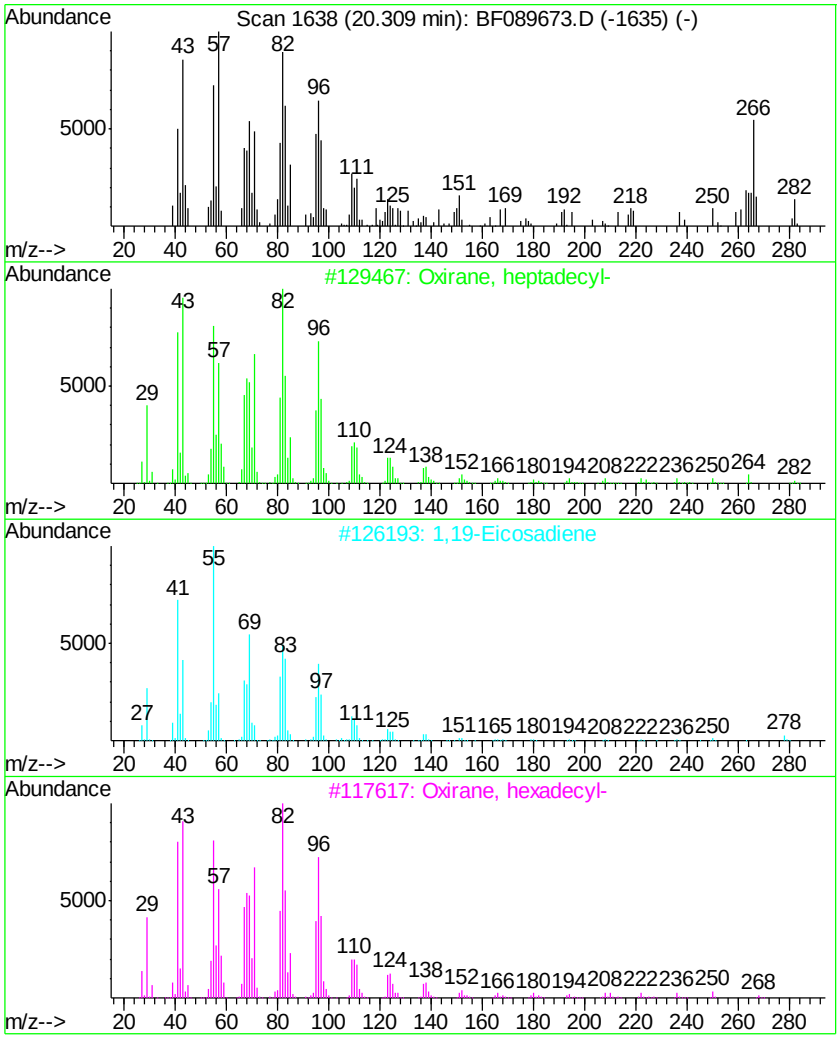
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

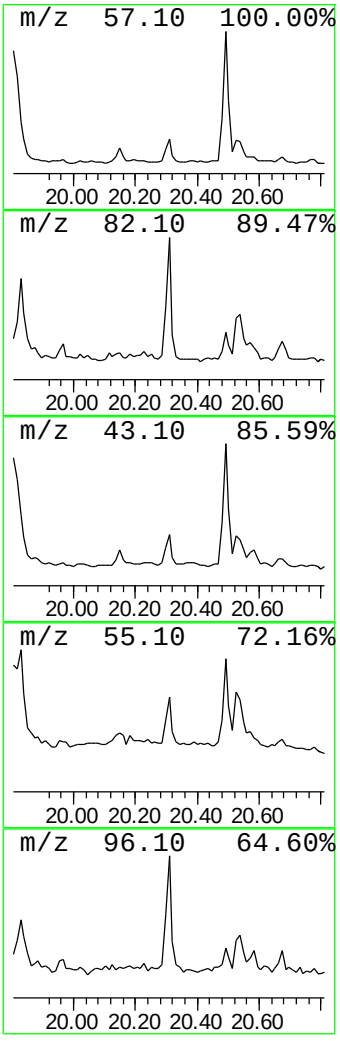
****

Peak Number 11 Oxirane, heptadecyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	6.39 ng	120610	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
2	1,19-Eicosadiene	278	C20H38	014811-95-1	64
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	62
4	Tetradecanal	212	C14H28O	000124-25-4	58
5	14-Heptadecenal	252	C17H32O	1000144-58-0	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

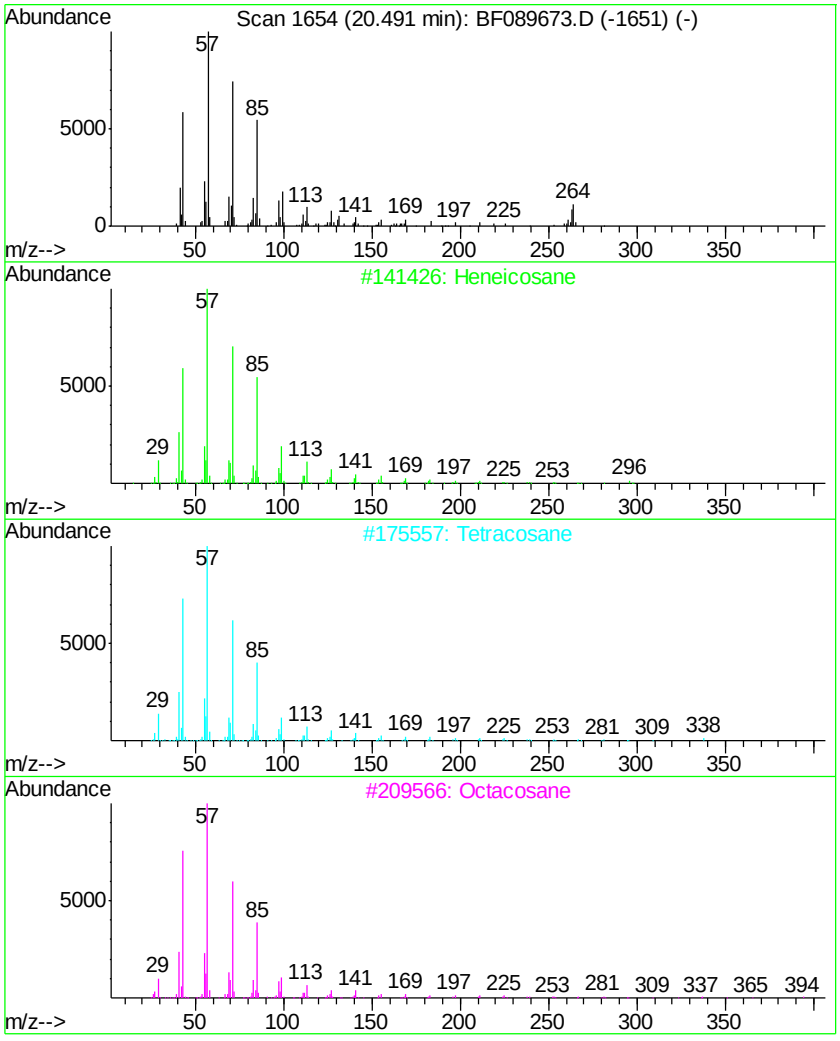
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

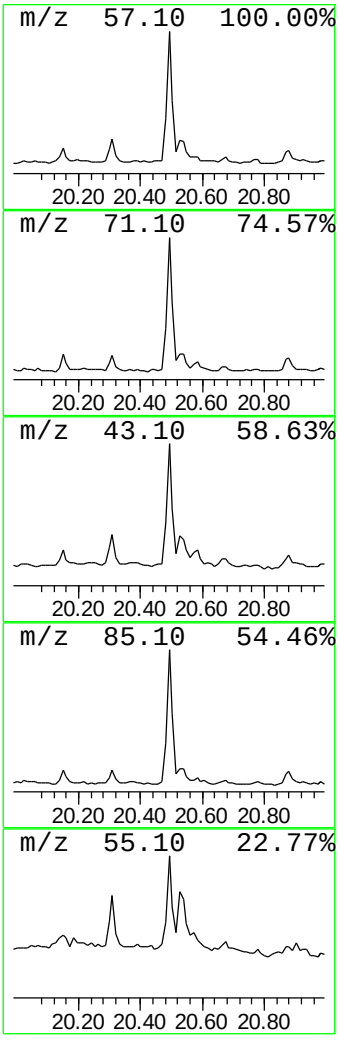
****

Peak Number 12 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	9.64 ng	181840	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetracosane	338	C24H50	000646-31-1	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

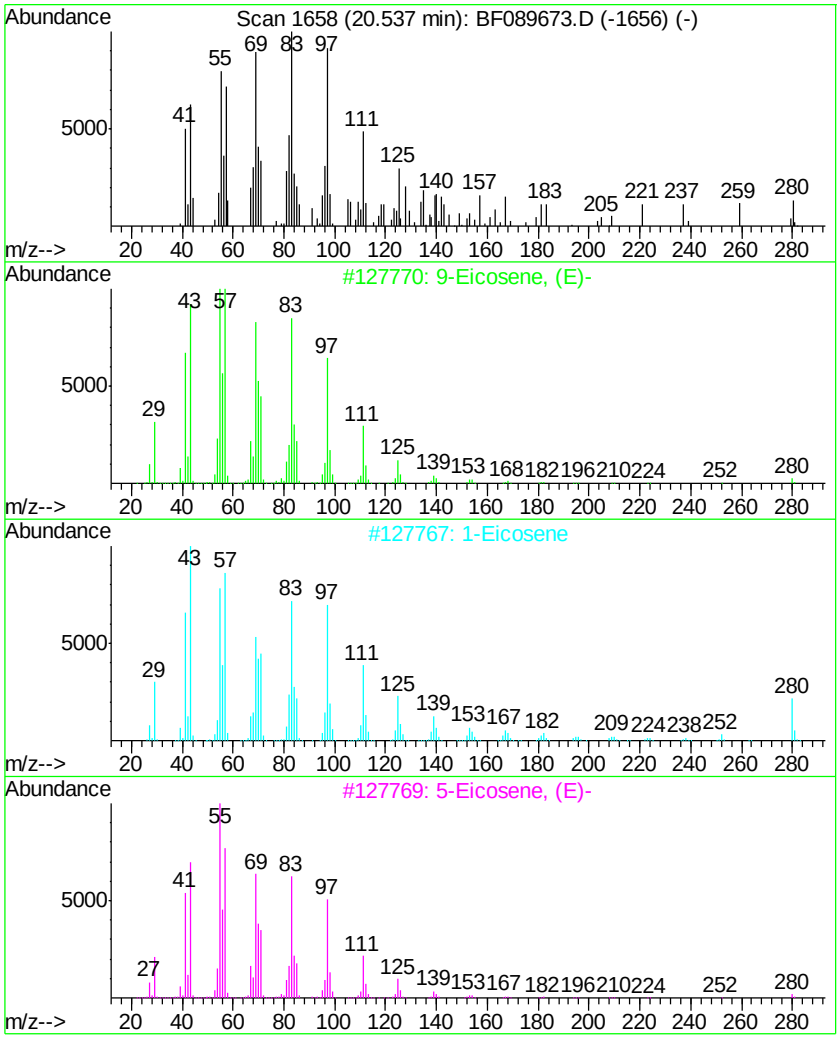
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

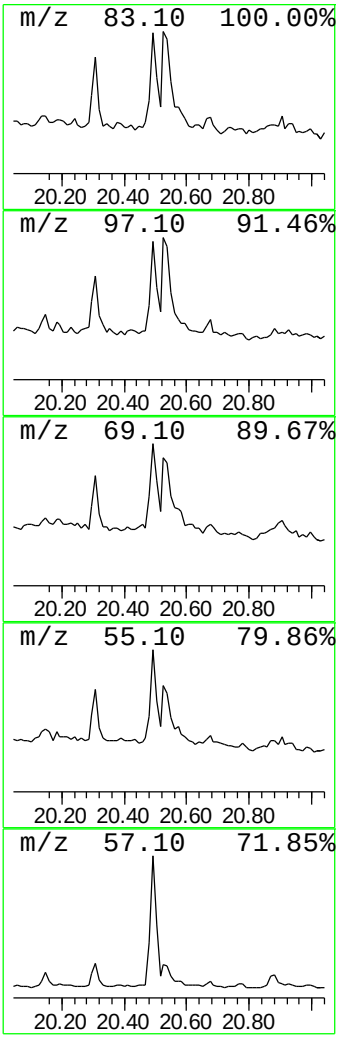
****

Peak Number 13 9-Eicosene, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	3.24 ng	61152	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	96
2	1-Eicosene	280	C20H40	003452-07-1	89
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	87
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	87
5	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

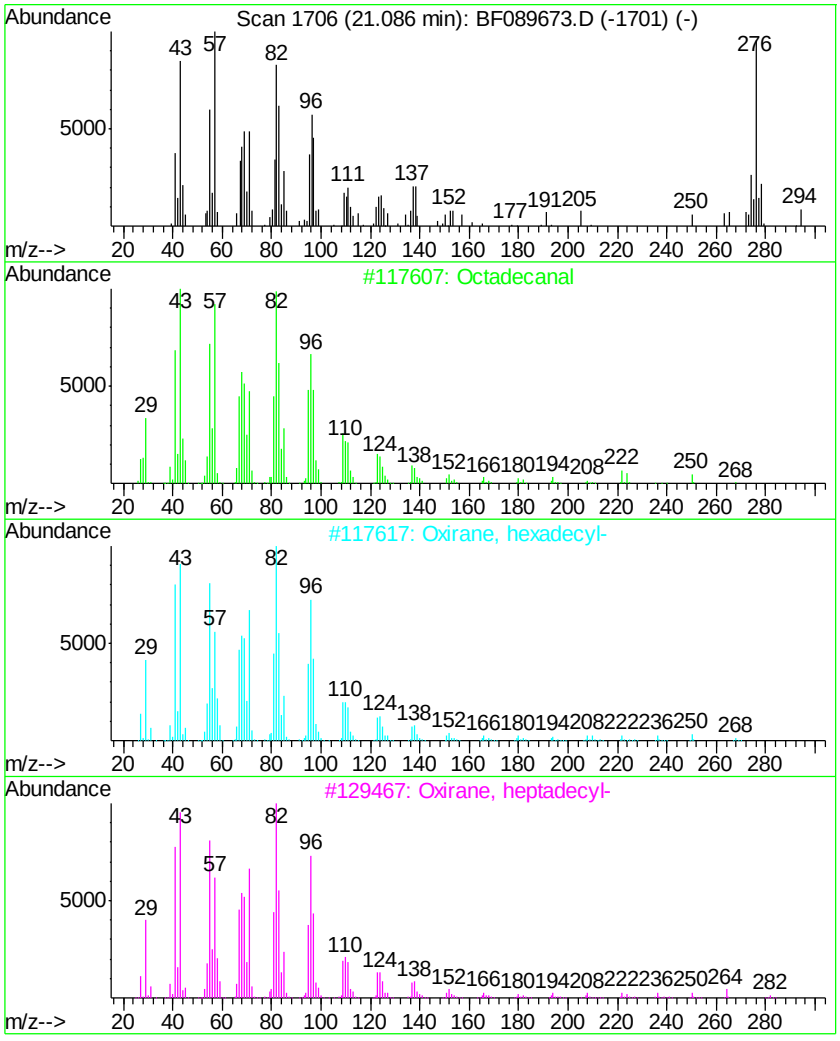
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

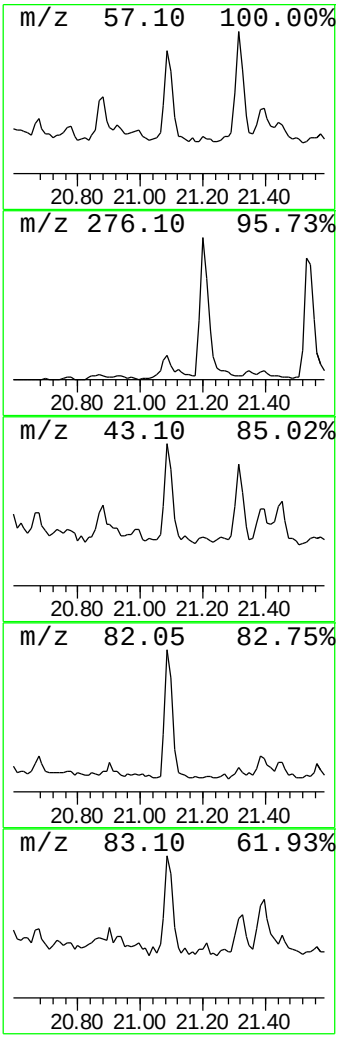
****

Peak Number 14 unknown21.09 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	9.29 ng	175228	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	46
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	42
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	42
4	10-Octadecenal	266	C18H34O	056554-92-8	38
5	1,16-Hexadecanediol	258	C16H34O2	007735-42-4	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

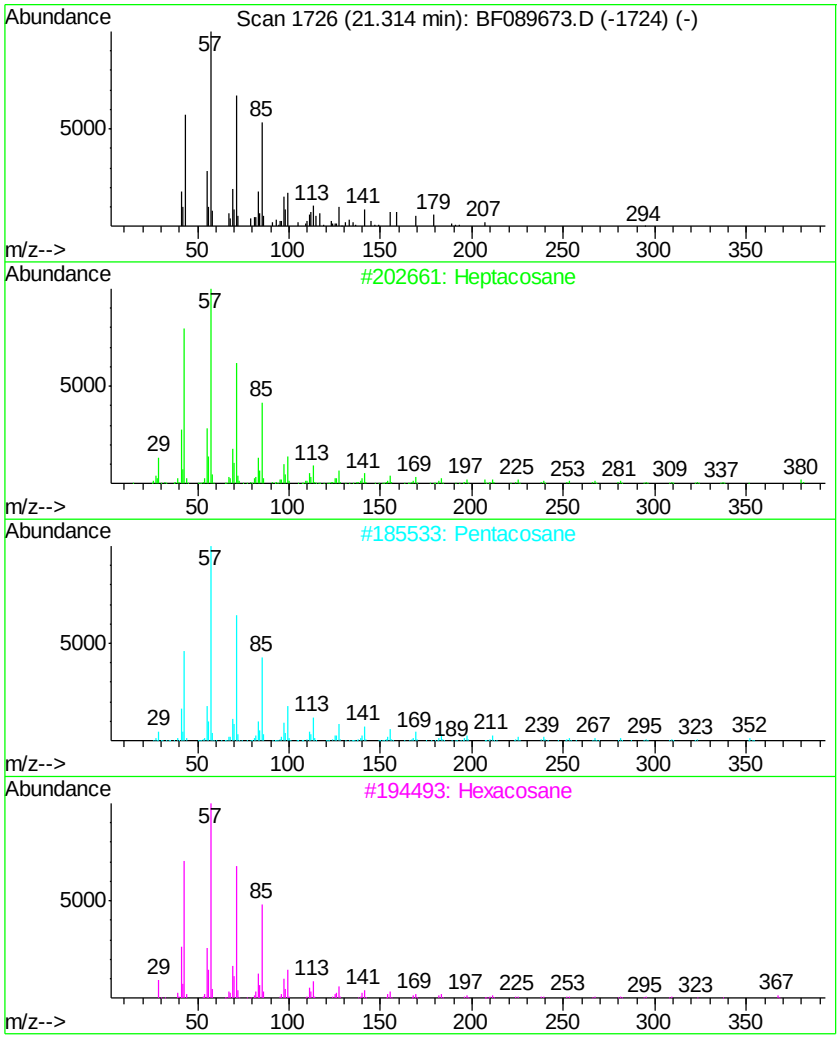
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

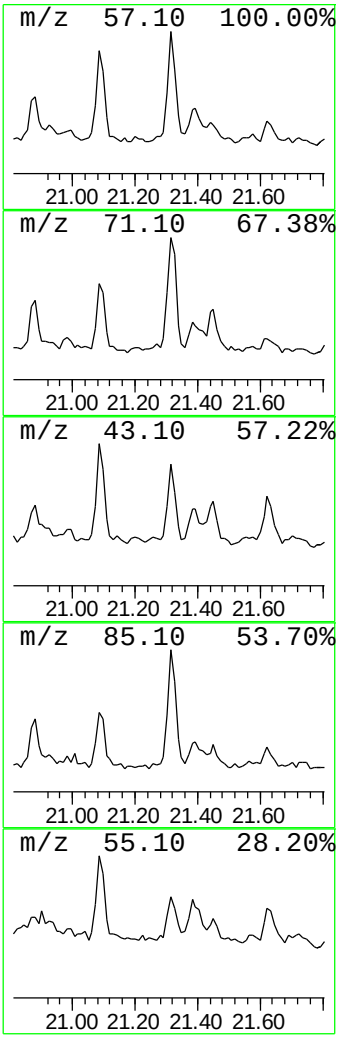
****

Peak Number 15 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	4.32 ng	81607	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Pentacosane	352	C25H52	000629-99-2	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Hentriacontane	437	C31H64	000630-04-6	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

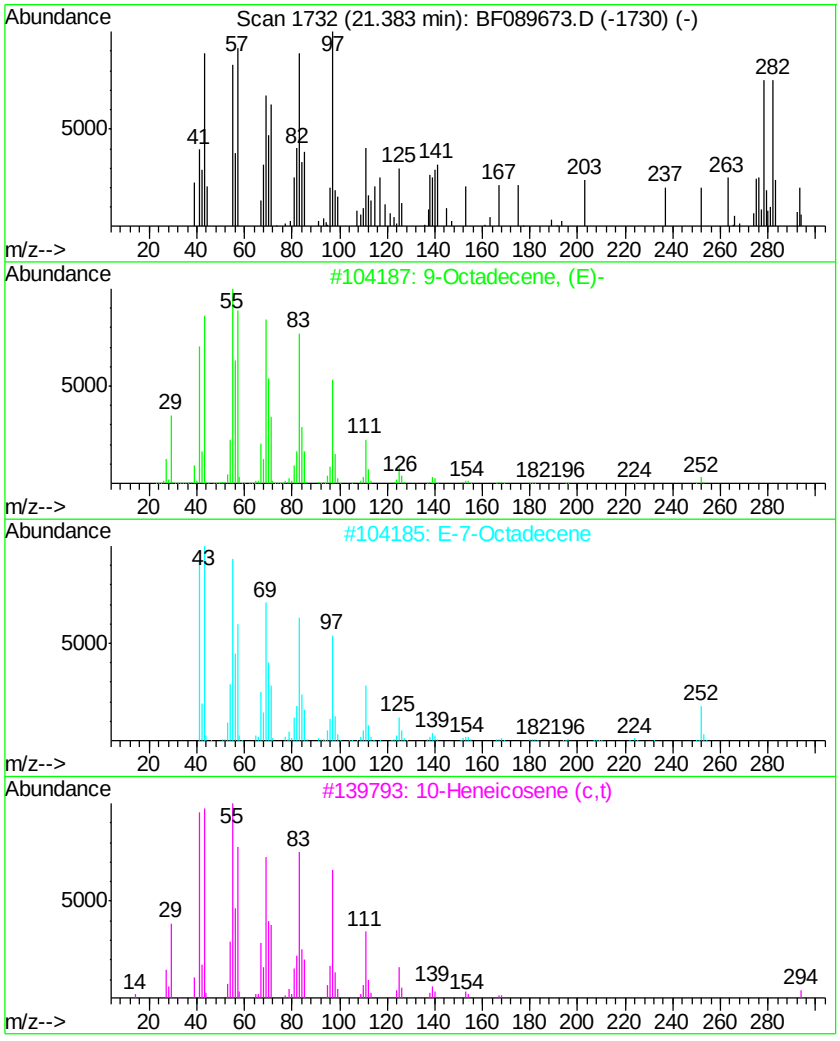
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

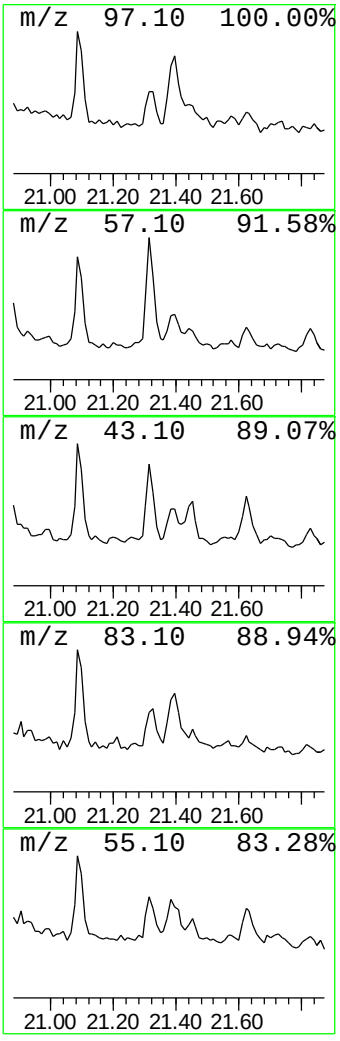
****

Peak Number 16 9-Octadecene, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.38 ng	63725	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecene, (E)-	252	C18H36	007206-25-9	55
2	E-7-Octadecene	252	C18H36	1000130-92-0	52
3	10-Heneicosene (c,t)	294	C21H42	095008-11-0	48
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	47
5	Cycloeicosane	280	C20H40	000296-56-0	44





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

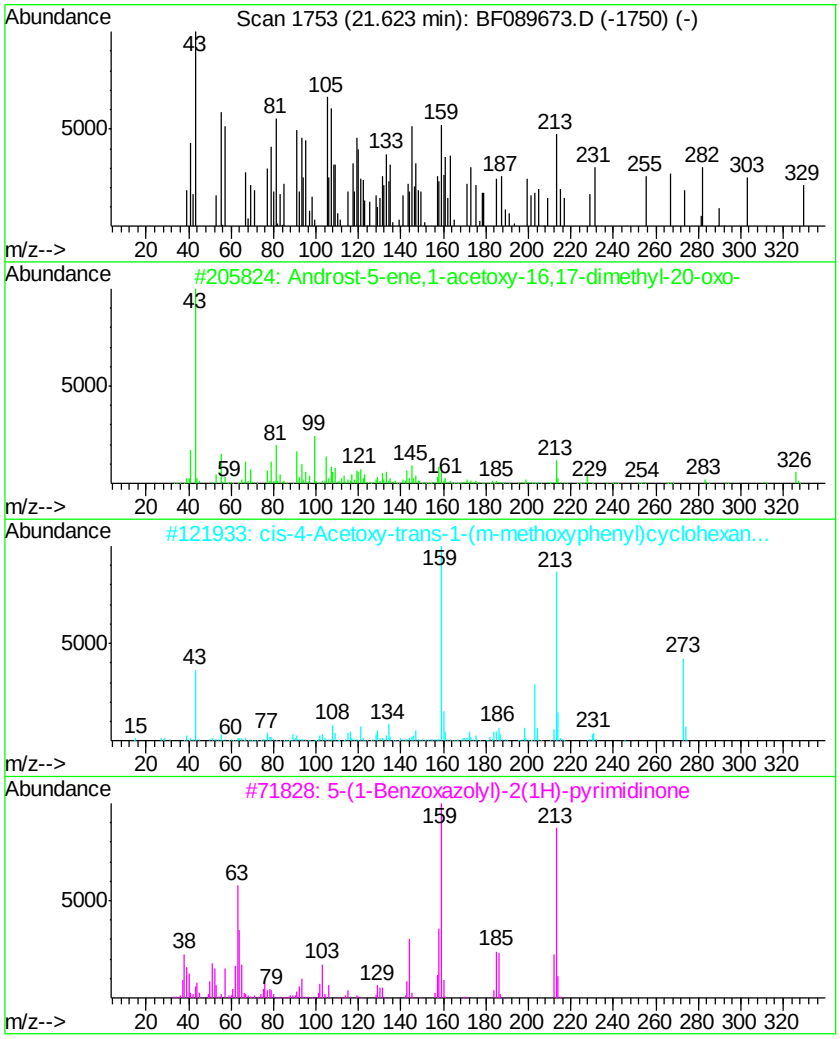
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

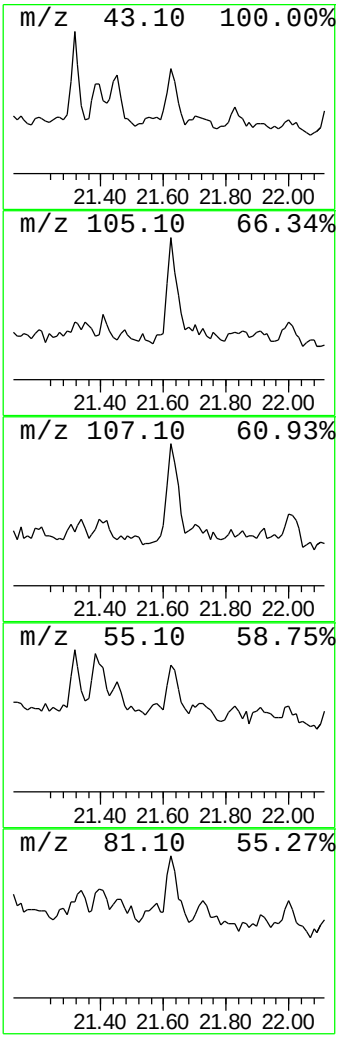
****

Peak Number 17 unknown21.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	6.37 ng	120126	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-5-ene,1-acetoxy-16,17-di...	386	C25H38O3	294866-91-4	22
2	cis-4-Acetoxy-trans-1-(m-methoxy...	273	C16H19NO3	1000241-10-4	14
3	5-(1-Benzoxazolyl)-2(1H)-pyrimid...	213	C11H7N3O2	349488-95-5	10
4	1H-Cycloprop[e]azulen-7-ol, deca...	220	C15H24O	006750-60-3	10
5	Ledene oxide-(II)	220	C15H24O	1000159-36-7	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

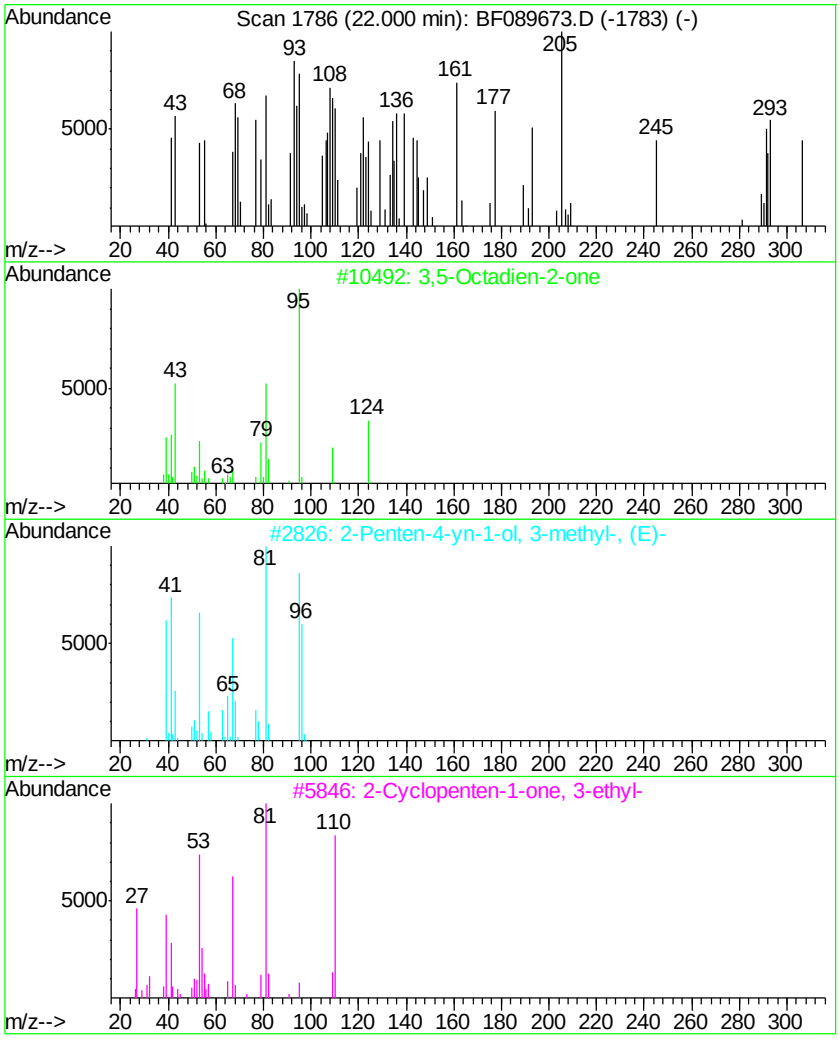
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

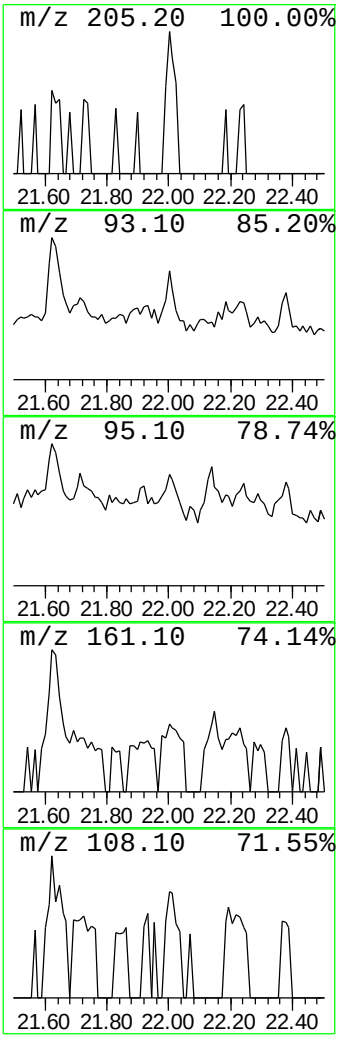
****

Peak Number 19 unknown22.00 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.00	3.00 ng	56595	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadien-2-one	124	C8H12O	038284-27-4	25
2	2-Penten-4-yn-1-ol, 3-methyl-, (E)-	96	C6H8O	006153-06-6	12
3	2-Cyclopenten-1-one, 3-ethyl-	110	C7H10O	005682-69-9	11
4	2-Cyclohexen-1-one, 4-ethyl-4-me...	138	C9H14O	017429-32-2	10
5	5-Ethyl-2-furaldehyde	124	C7H8O2	023074-10-4	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

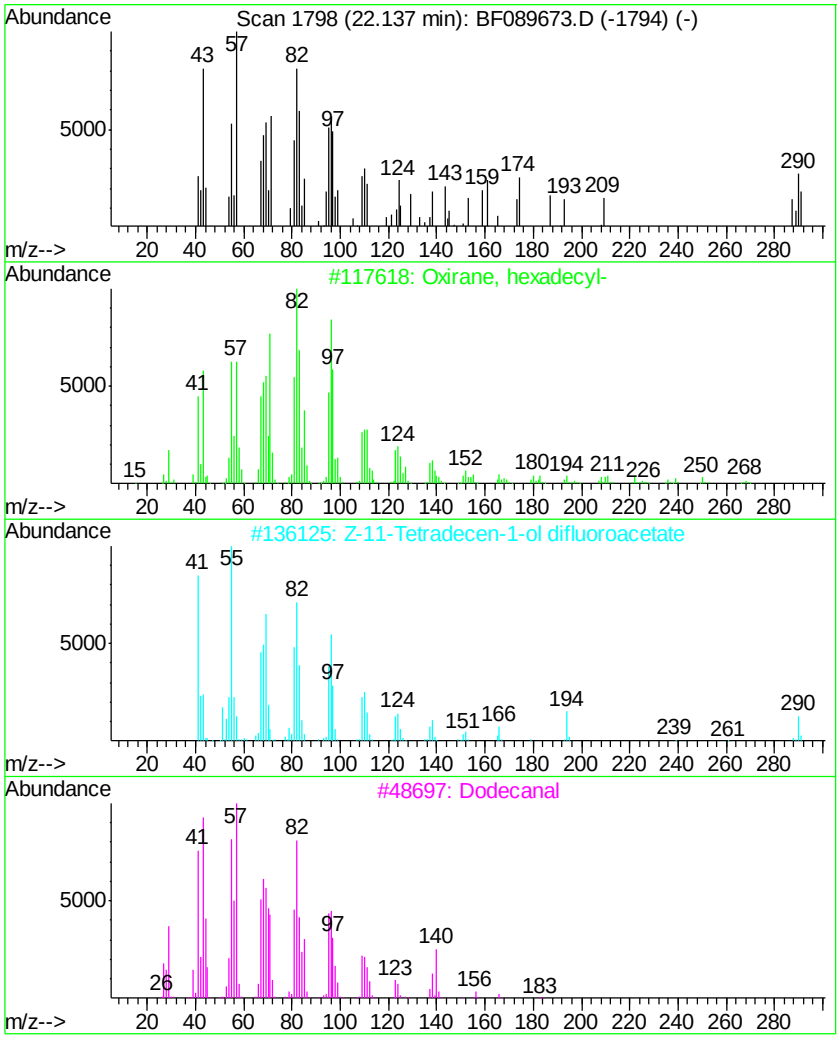
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

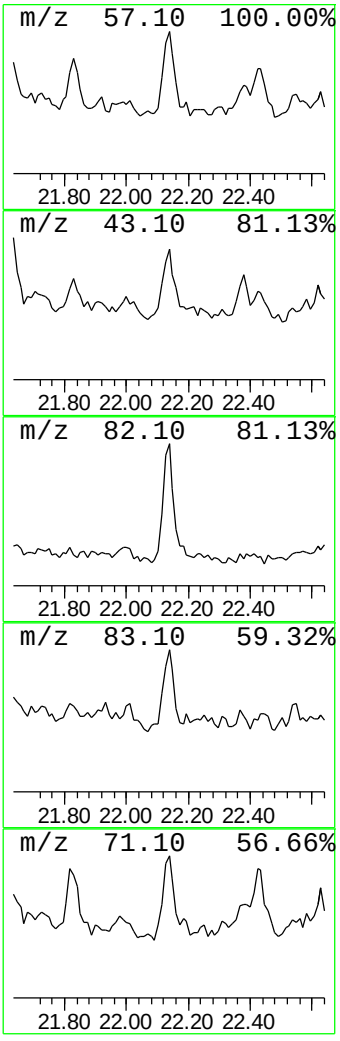
****

Peak Number 20 Oxirane, hexadecyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	4.00 ng	75538	Perylene-d12	20.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	53
2	Z-11-Tetradecen-1-ol difluoroace...	290	C16H28F2O2	1000130-82-7	52
3	Dodecanal	184	C12H24O	000112-54-9	49
4	9-Octadecen-1-ol, (Z)-	268	C18H36O	000143-28-2	49
5	1,15-Pentadecanediol	244	C15H32O2	014722-40-8	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089673.D
Acq On : 8 Aug 2016 21:49
Operator : UM/SJ
Sample : H4288-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-66-0.5-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.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
2-Pentanone, 4-hy...	4.63	23.7	ng	308534	1	7.42	260509	20.0
unknown7.07	7.07	95.3	ng	1241870	1	7.42	260509	20.0
4H-Cyclopenta[def...	15.61	3.9	ng	87537	4	14.66	453199	20.0
Pyrene, 1-methyl-	17.37	3.4	ng	97739	5	18.37	567720	20.0
n-Nonadecanol-1	18.29	6.0	ng	171377	5	18.37	567720	20.0
Benz[a]anthracene...	18.87	3.3	ng	92458	5	18.37	567720	20.0
Oxalic acid, prop...	19.09	6.1	ng	174205	5	18.37	567720	20.0
Octacosane	19.81	17.1	ng	322097	6	20.02	377443	20.0
Perylene	19.91	9.3	ng	176001	6	20.02	377443	20.0
Oxirane, heptadecyl-	20.31	6.4	ng	120610	6	20.02	377443	20.0
Heneicosane	20.49	9.6	ng	181840	6	20.02	377443	20.0
9-Eicosene, (E)-	20.54	3.2	ng	61152	6	20.02	377443	20.0
unknown21.09	21.09	9.3	ng	175228	6	20.02	377443	20.0
Heptacosane	21.31	4.3	ng	81607	6	20.02	377443	20.0
9-Octadecene, (E)-	21.38	3.4	ng	63725	6	20.02	377443	20.0
unknown21.62	21.62	6.4	ng	120126	6	20.02	377443	20.0
unknown22.00	22.00	3.0	ng	56595	6	20.02	377443	20.0
Oxirane, hexadecyl-	22.14	4.0	ng	75538	6	20.02	377443	20.0