LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

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-BF052316.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	1.633	3	4	46	rVB	2764050	5474815	100.00%	15.508%
2	4.719	272	274	286	rBV	24827	79646	1.45%	0.226%
3	5.382	330	332	351	rBV	680242	1424011	26.01%	4.034%
4	7.027	474	476	483	rBV	916834	1705916	31.16%	4.832%
5	7.130	483	485	491	rVB	992775	1702506	31.10%	4.822%
6	7.485	513	516	521	rBV	466048	758933	13.86%	2.150%
7	7.713	533	536	549	rBV	902796	1177841	21.51%	3.336%
8	8.388	593	595	618	rBV	603271	1124867	20.55%	3.186%
9	9.508	691	693	706	rBV	689724	997345	18.22%	2.825%
10	11.291	846	849	852	rBV	2042078	2402707	43.89%	6.806%
11	11.988	907	910	915	rBV	651375	810362	14.80%	2.295%
12	12.114	919	921	925	rBV	59463	83280	1.52%	0.236%
13	12.342	938	941	948	rVB	692385	1051539	19.21%	2.979%
14	13.177	1012	1014	1017	rVB	57475	71013	1.30%	0.201%
15	13.634	1051	1054	1057	rBV	1505565	1942168	35.47%	5.501%
16	13.954	1079	1082	1087	rBV	63620	132446	2.42%	0.375%
17	14.685	1143	1146	1148	rBV	42828	60719	1.11%	0.172%
18	14.731	1148	1150	1152	rVV	602523	919443	16.79%	2.604%
19	14.777	1152	1154	1157	rVV	176469	233304	4.26%	0.661%
20	14.868	1159	1162	1166	rVV	62404	105887	1.93%	0.300%
21	15.303	1196	1200	1203	rVV	87867	280669	5.13%	0.795%
22	15.360	1203	1205	1212	rVB2	67740	136302	2.49%	0.386%
23	15.531	1215	1220	1222	rBV2	40971	56501	1.03%	0.160%
24	15.577	1222	1224	1227	rBV	49306	59158	1.08%	0.168%
25	15.680	1232	1233	1235	rVV2	47395	64519	1.18%	0.183%
26	15.725	1235	1237	1241	rVB	50471	76235	1.39%	0.216%
27	15.988	1255	1260	1262	rBV2	31408	83470	1.52%	0.236%
28	16.080	1266	1268	1271	rVB2	342966	458506	8.37%	1.299%
29	16.343	1287	1291	1292	rBV	53979	98017	1.79%	0.278%
30	16.377	1292	1294	1296	rVV2	37921	67454	1.23%	0.191%
31	16.457	1299	1301	1303	rVV	74054	103423	1.89%	0.293%
32	16.537	1306	1308	1311	rVV	583781	806519	14.73%	2.285%
33	16.640	1315	1317	1319	rBV3	33408	57148	1.04%	0.162%
34	16.743	1322	1326	1328	rVV3	33398	81905	1.50%	0.232%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

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-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.846	1332	1335	1337	rVV	680883	791227	14.45%	2.241%
36	16.948	1340	1344	1348	rVV3	67954	129827	2.37%	0.368%
37	17.040	1348	1352	1353	rBV2	42676	94922	1.73%	0.269%
38	17.097	1353	1357	1360	rVV	2592768	3285243	60.01%	9.306%
39	17.166	1360	1363	1365	rVV2	50319	96150	1.76%	0.272%
40	17.280	1370	1373	1374	rVV	72447	125904	2.30%	0.357%
41	17.314	1374	1376	1379	rVV	69016	104121	1.90%	0.295%
42	17.440	1385	1387	1390	rVV2	91737	154954	2.83%	0.439%
43	17.566	1396	1398	1402	rVB2	360255	443158	8.09%	1.255%
44	17.874	1423	1425	1427	rVB2	45679	68456	1.25%	0.194%
45	17.989	1434	1435	1437	rBV	51908	73430	1.34%	0.208%
46	18.034	1437	1439	1440	rVB	122153	155745	2.84%	0.441%
47	18.149	1444	1449	1450	rBV3	73730	181750	3.32%	0.515%
48	18.217	1453	1455	1457	rVB	42548	59156	1.08%	0.168%
49	18.274	1457	1460	1461	rBV	62607	87020	1.59%	0.246%
50	18.297	1461	1462	1464	rVB	48831	55013	1.00%	0.156%
51	18.434	1469	1474	1476	rBV2	714780	1319100	24.09%	3.736%
52	18.469	1476	1477	1482	rVB2	434992	531956	9.72%	1.507%
53	18.766	1501	1503	1505	rVB3	41106	60171	1.10%	0.170%
54	18.811	1505	1507	1510	rBV	23098	61129	1.12%	0.173%
55	18.937	1516	1518	1521	rBV	56284	88178	1.61%	0.250%
56	19.097	1530	1532	1534	rBV2	37254	62937	1.15%	0.178%
57	19.372	1554	1556	1557	rBV	30877	54919	1.00%	0.156%
58	19.543	1569	1571	1575	rBV2	69970	134133	2.45%	0.380%
59	19.646	1578	1580	1583	rBV2	25104	58886	1.08%	0.167%
60	19.703	1583	1585	1591	rBV	368328	815222	14.89%	2.309%
61	19.817	1594	1595	1597	rVB	69000	65685	1.20%	0.186%
62	20.000	1609	1611	1613	rBV	204048	253373	4.63%	0.718%
63	20.057	1614	1616	1618	rBV	242607	254251	4.64%	0.720%
64	20.114	1618	1621	1623	rBV	398252	564493	10.31%	1.599%
65	21.337	1725	1728	1731	rVB2	143056	240048	4.38%	0.680%
66	21.692	1756	1759	1762	rBV	79513	144388	2.64%	0.409%

Sum of corrected areas: 35303519

LSC Report - Integrated Chromatogram

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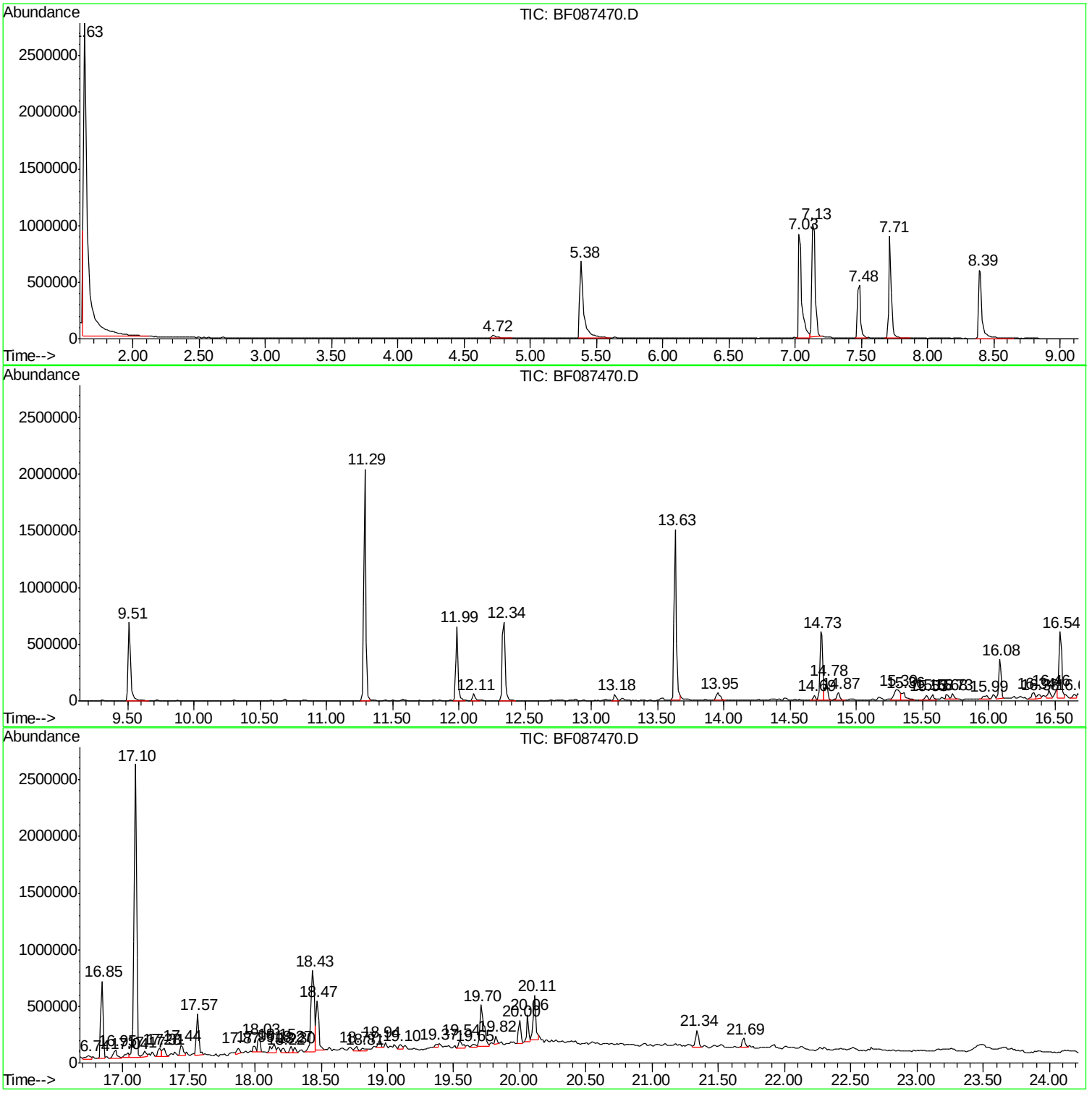
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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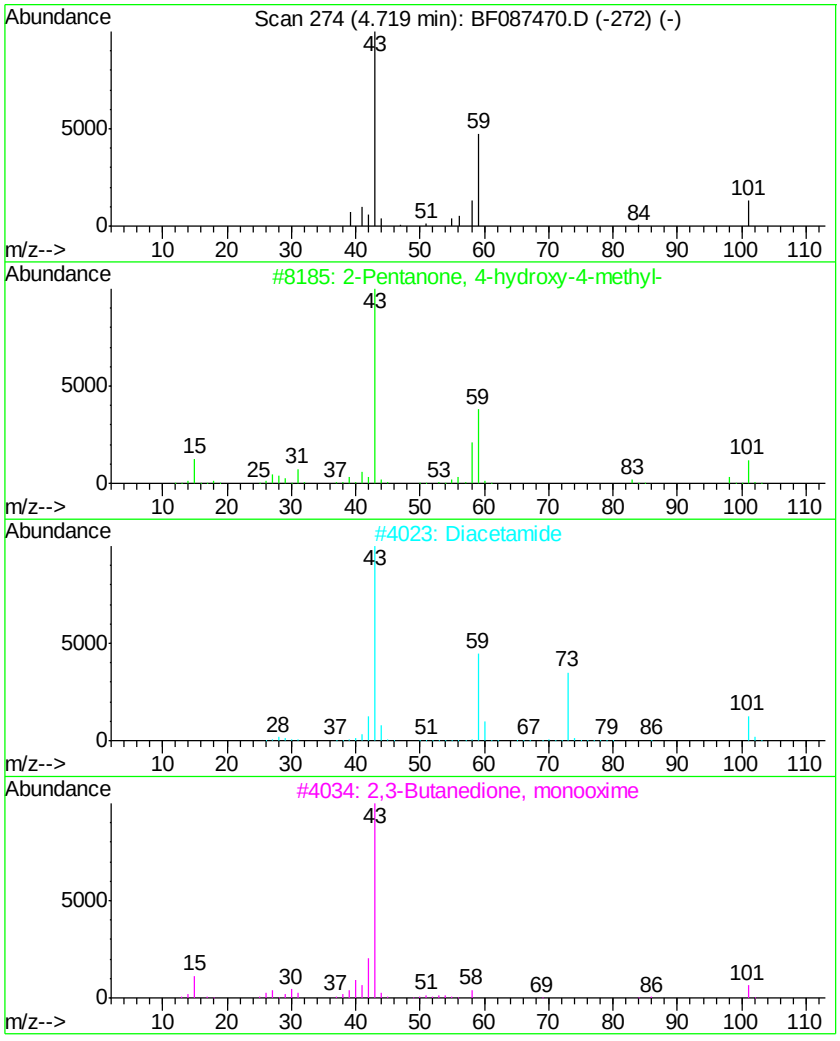
TIC Integration Parameters: LSCINT.P

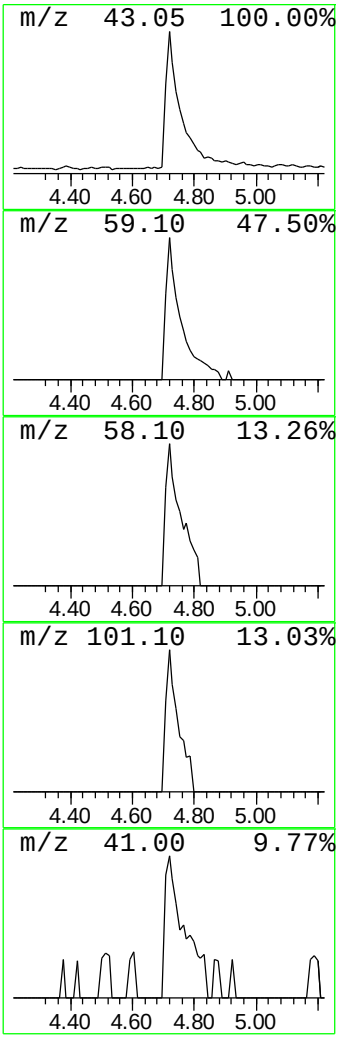
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	2.10 ng	79646	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Diacetamide	101	C4H7NO2	000625-77-4	7
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7
4	2-Ethylbutylamine	101	C6H15N	000617-79-8	5
5	Propylamine	59	C3H9N	000107-10-8	5





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Data File : BF087470.D
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Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

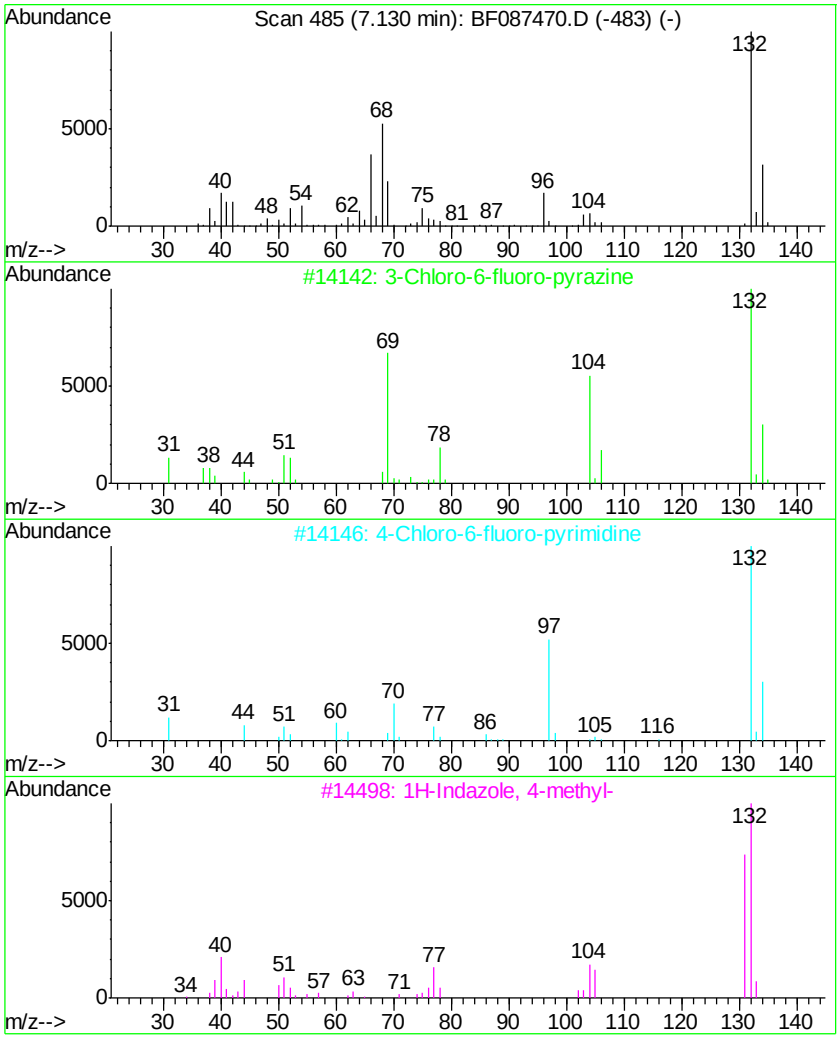
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

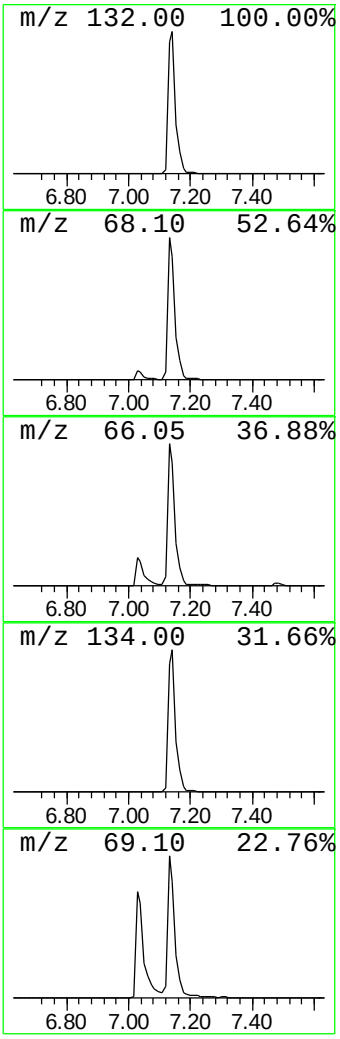
****

Peak Number 3 unknown7.13 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	44.87 ng	1702510	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Indazole, 4-methyl-	132	C8H8N2	1000316-00-9	25
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
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Sample : H3190-13
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
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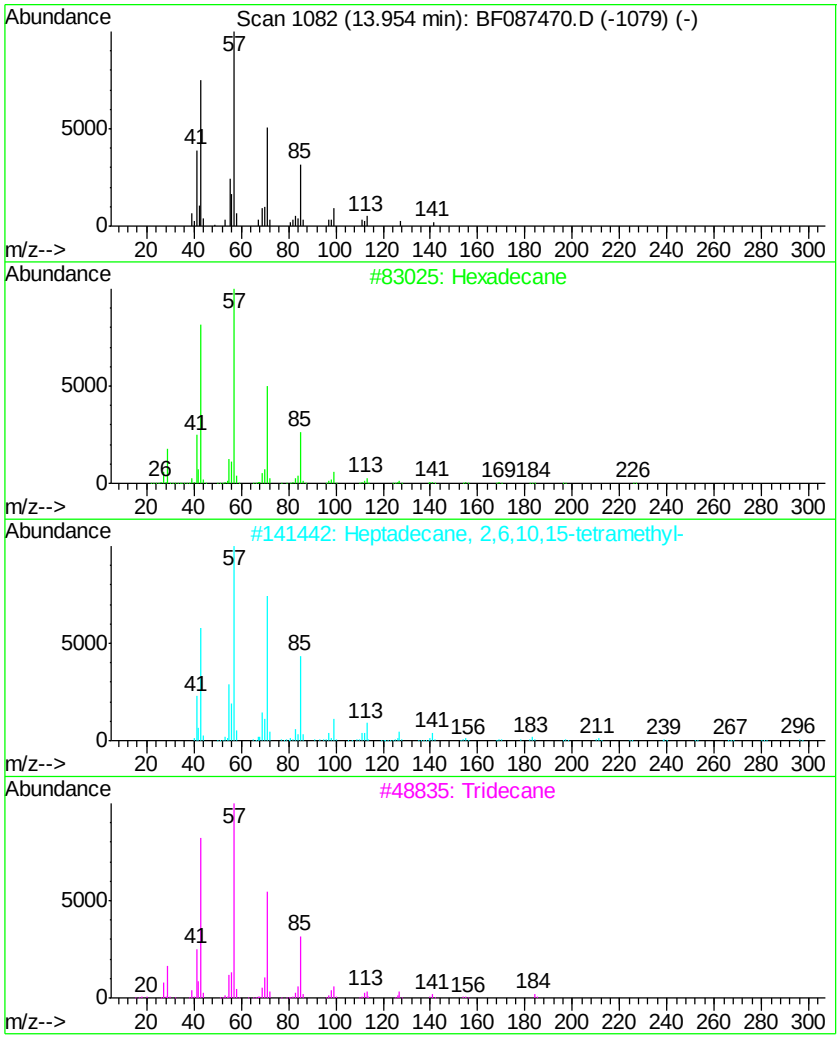
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

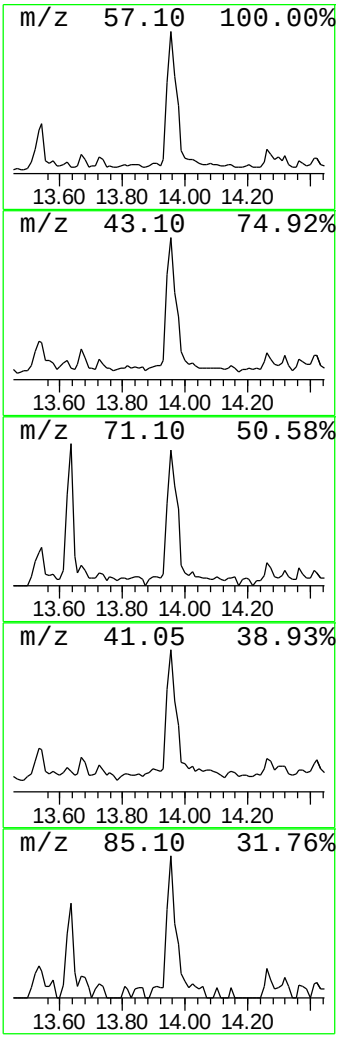
****

Peak Number 5 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.88 ng	132446	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Tridecane	184	C13H28	000629-50-5	80
4	Eicosane	282	C20H42	000112-95-8	80
5	Heneicosane	296	C21H44	000629-94-7	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
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Sample : H3190-13
Misc :
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Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
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TIC Library : C:\Database\NIST11.L
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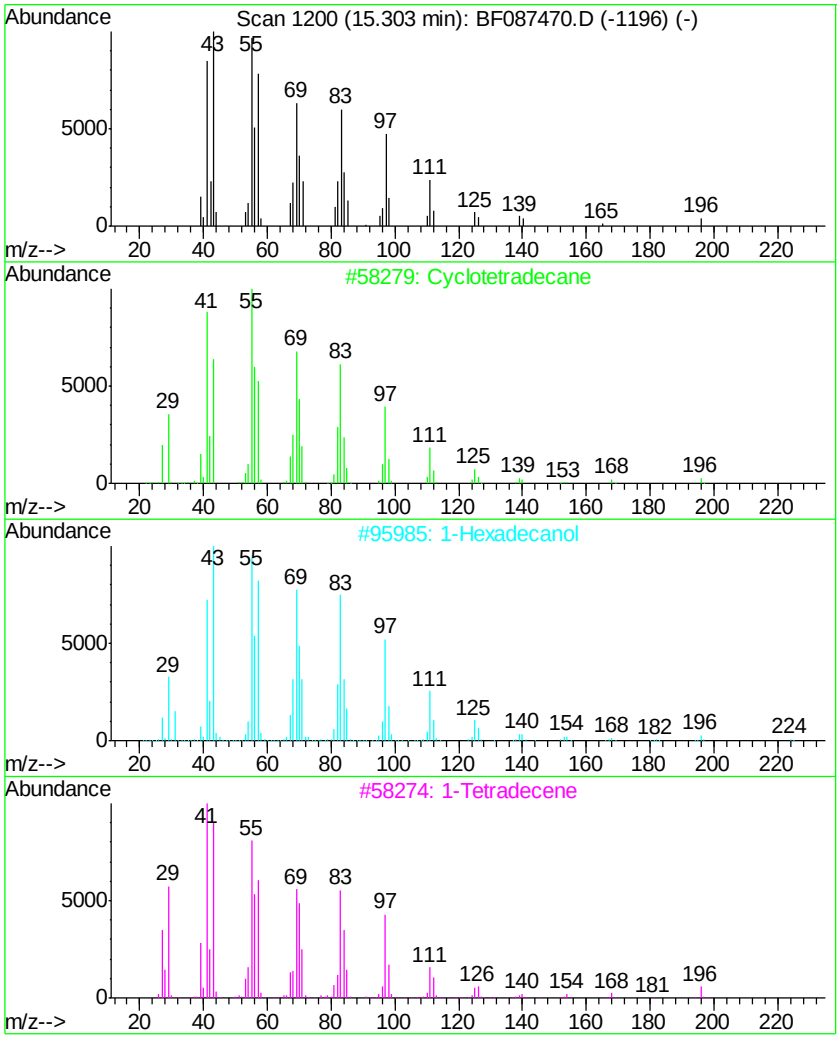
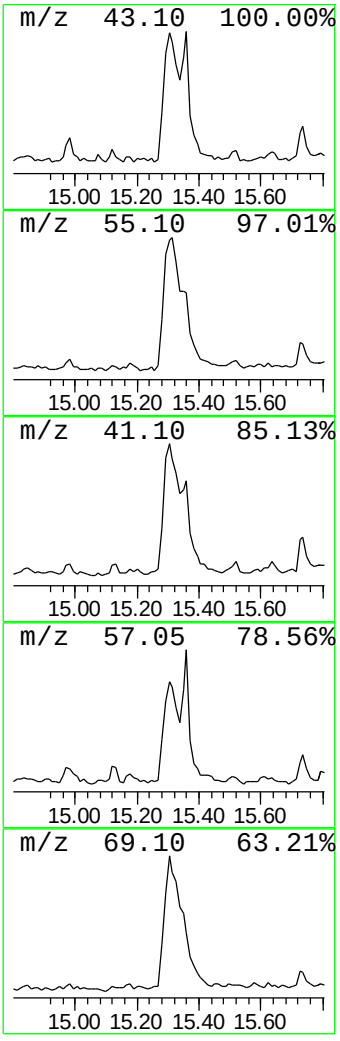
Peak Number 6 Cyclotetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	6.11 ng	280669	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	97
2	1-Hexadecanol	242	C16H34O	036653-82-4	95
3	1-Tetradecene	196	C14H28	001120-36-1	93
4	1-Tetradecanol	214	C14H30O	000112-72-1	91
5	n-Pentadecanol	228	C15H32O	000629-76-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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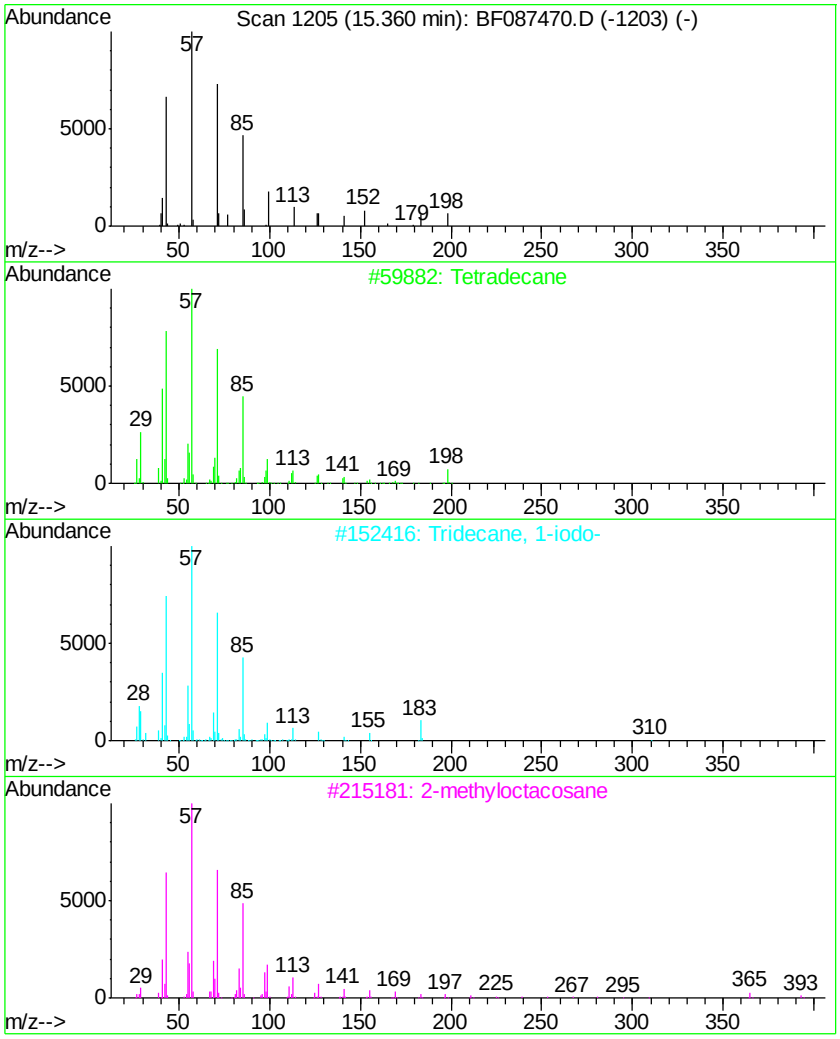
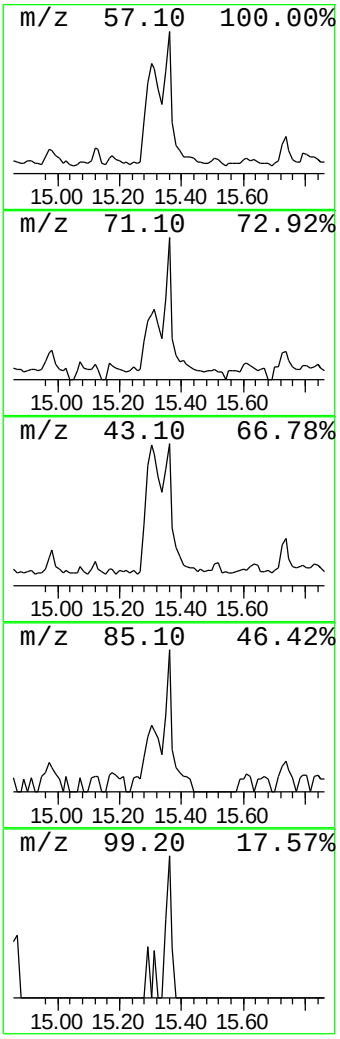
Peak Number 7 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	2.96 ng	136302	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78
3	2-methyloctacosane	408	C29H60	1000376-72-8	78
4	Pentadecane	212	C15H32	000629-62-9	78
5	Hexacosane	366	C26H54	000630-01-3	78





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Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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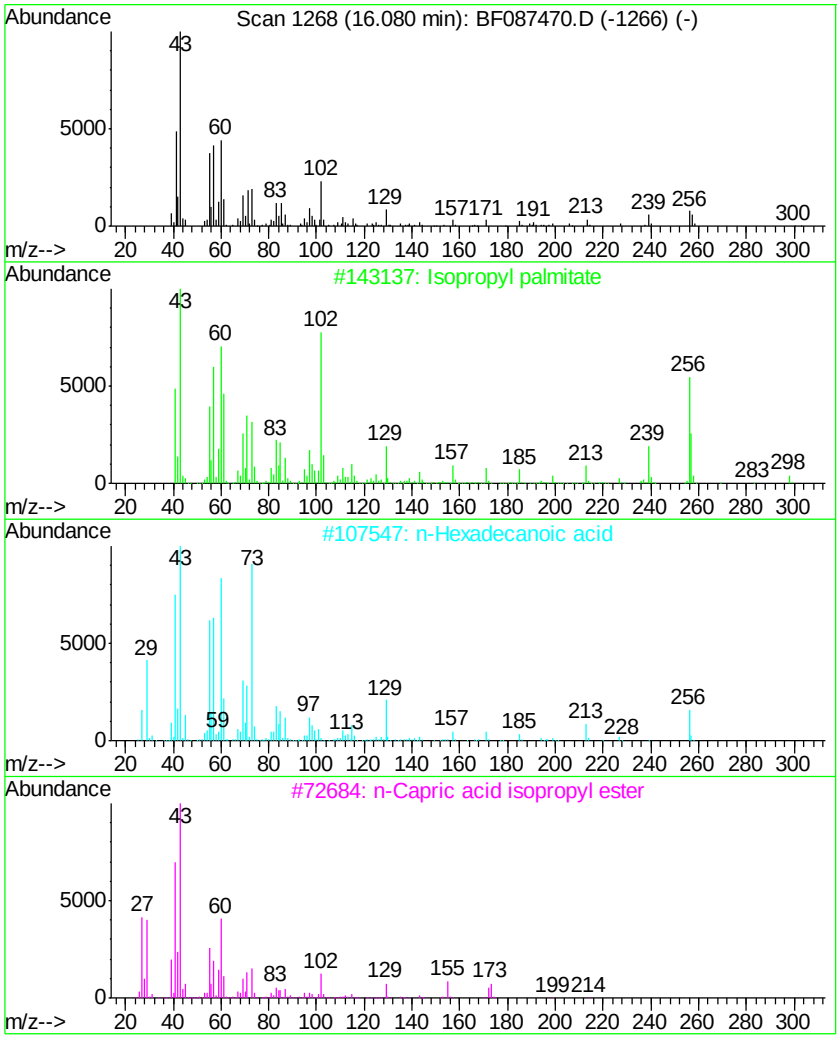
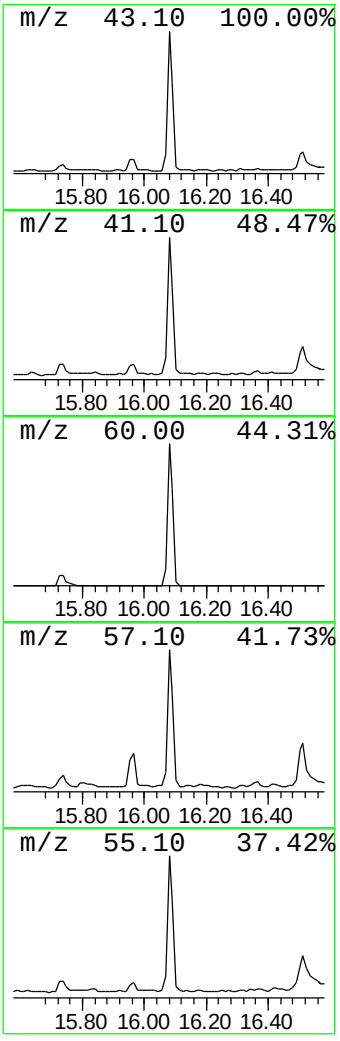
Peak Number 8 Isopropyl palmitate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	9.97 ng	458506	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl palmitate	298	C19H38O2	000142-91-6	86
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	78
3	n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	53
4	Heptanoic acid, propyl ester	172	C10H20O2	007778-87-2	47
5	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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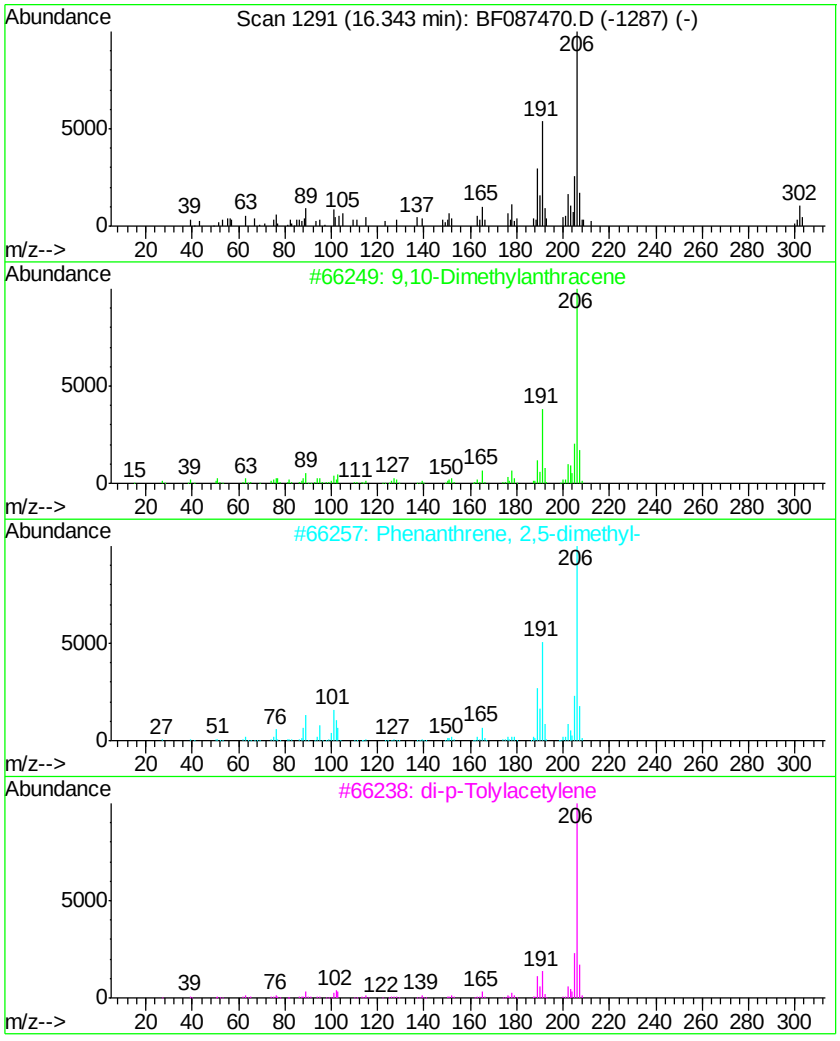
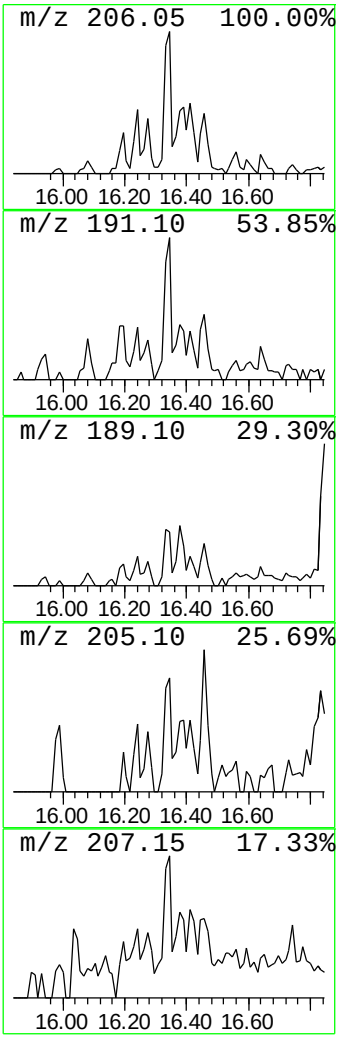
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	2.13 ng	98017	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
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Sample : H3190-13
Misc :
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Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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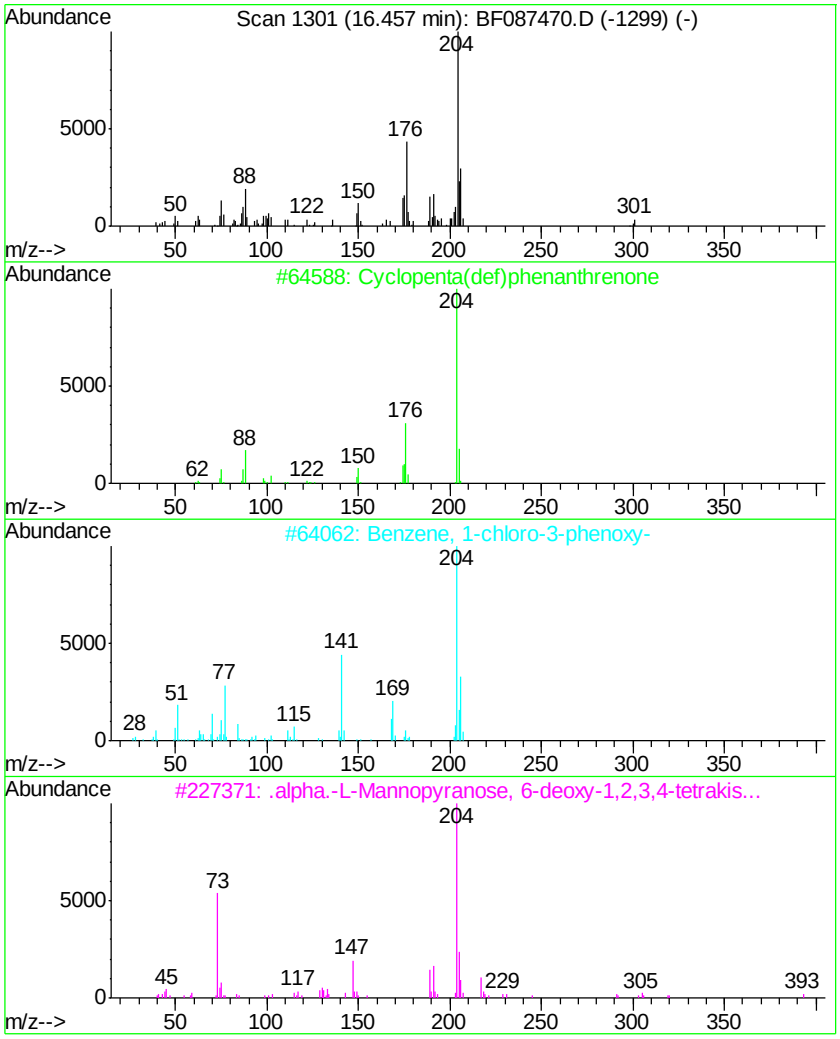
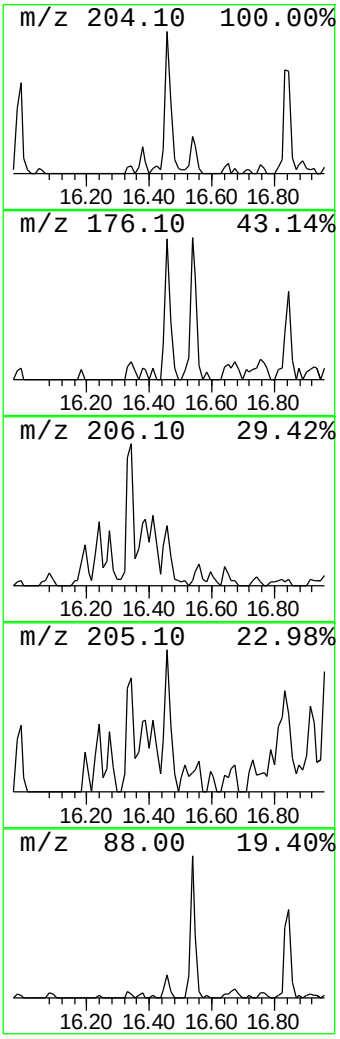
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	2.25 ng	103423	Phenanthrene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	43
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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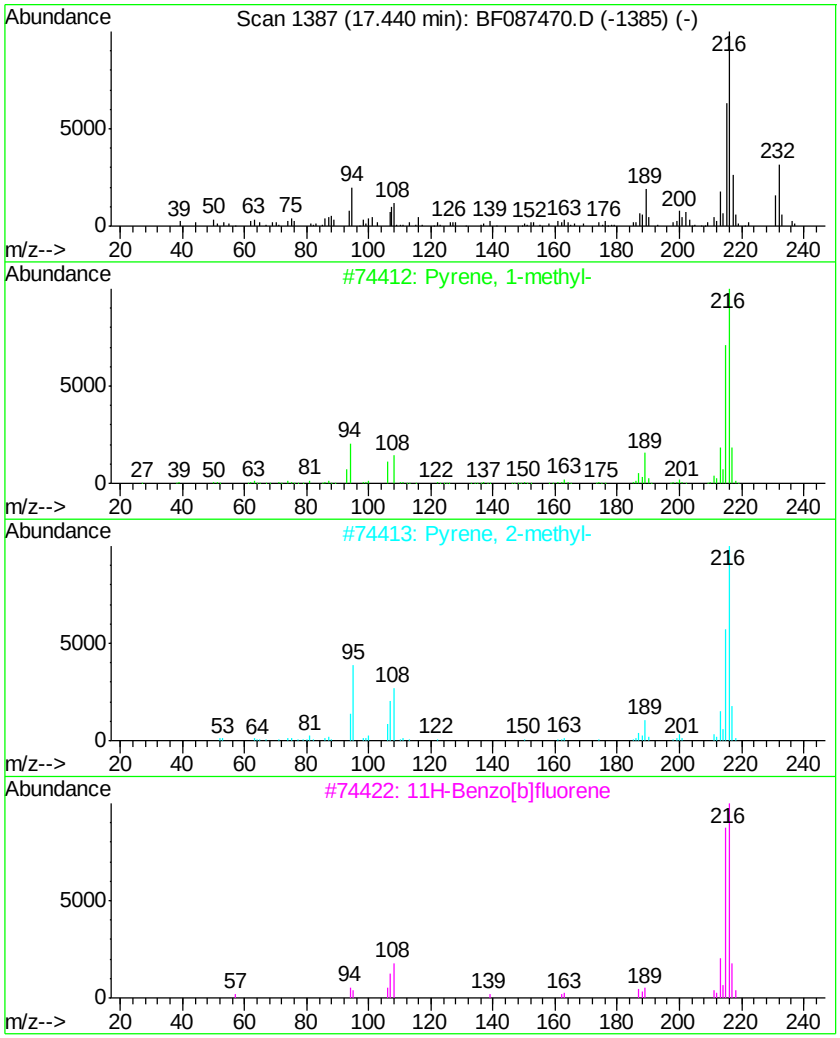
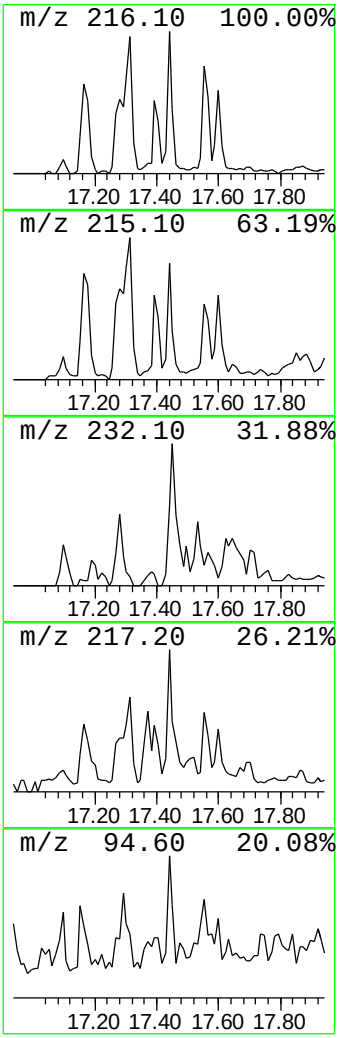
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.35 ng	154954	Chrysene-d12	18.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
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TIC Integration Parameters: LSCINT.P

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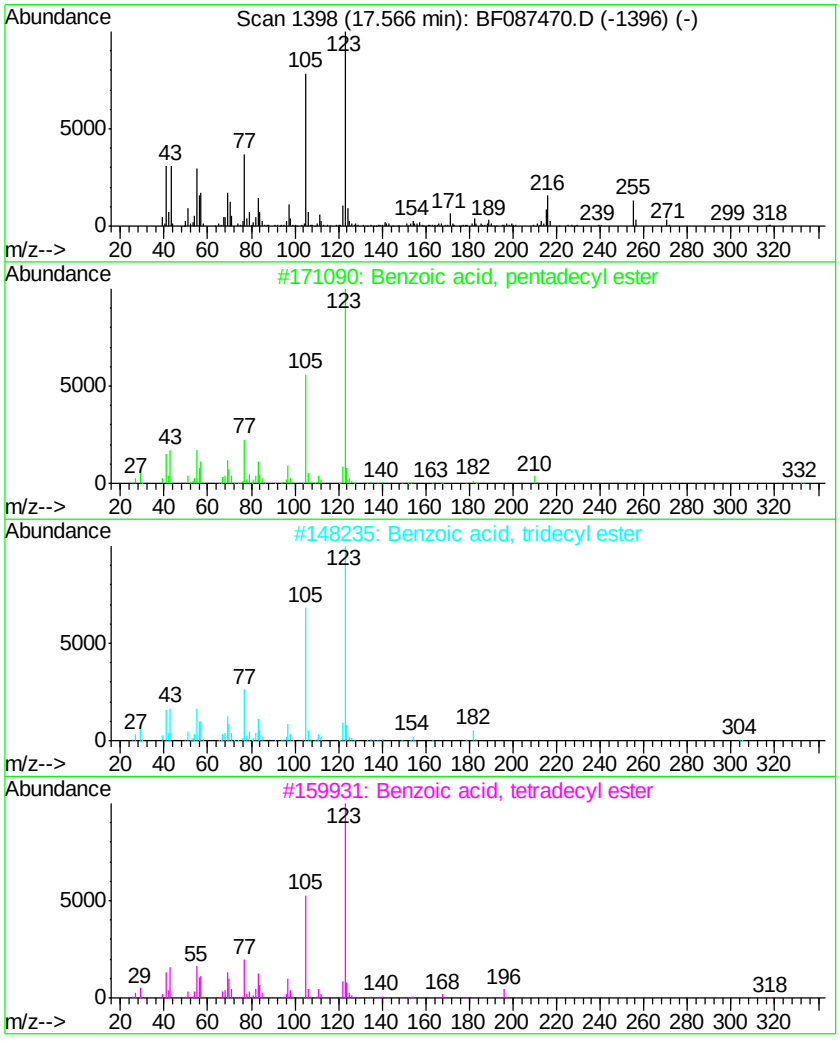
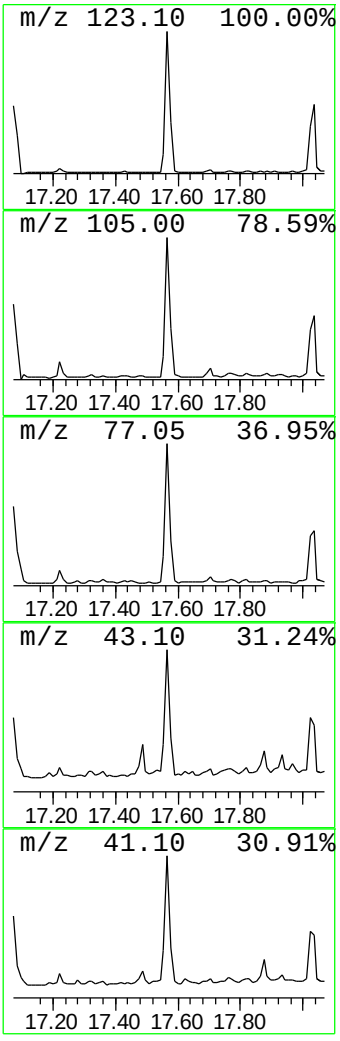
Peak Number 12 Benzoic acid, pentadecyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	6.72 ng	443158	Chrysene-d12	18.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, pentadecyl ester	332	C22H36O2	1000340-22-8	81
2	Benzoic acid, tridecyl ester	304	C20H32O2	1000340-22-6	74
3	Benzoic acid, tetradecyl ester	318	C21H34O2	1000340-22-7	74
4	Benzoic acid, heptadecyl ester	360	C24H40O2	1000340-23-0	64
5	Benzoic acid, nonadecyl ester	388	C26H44O2	1000340-23-2	64





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Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
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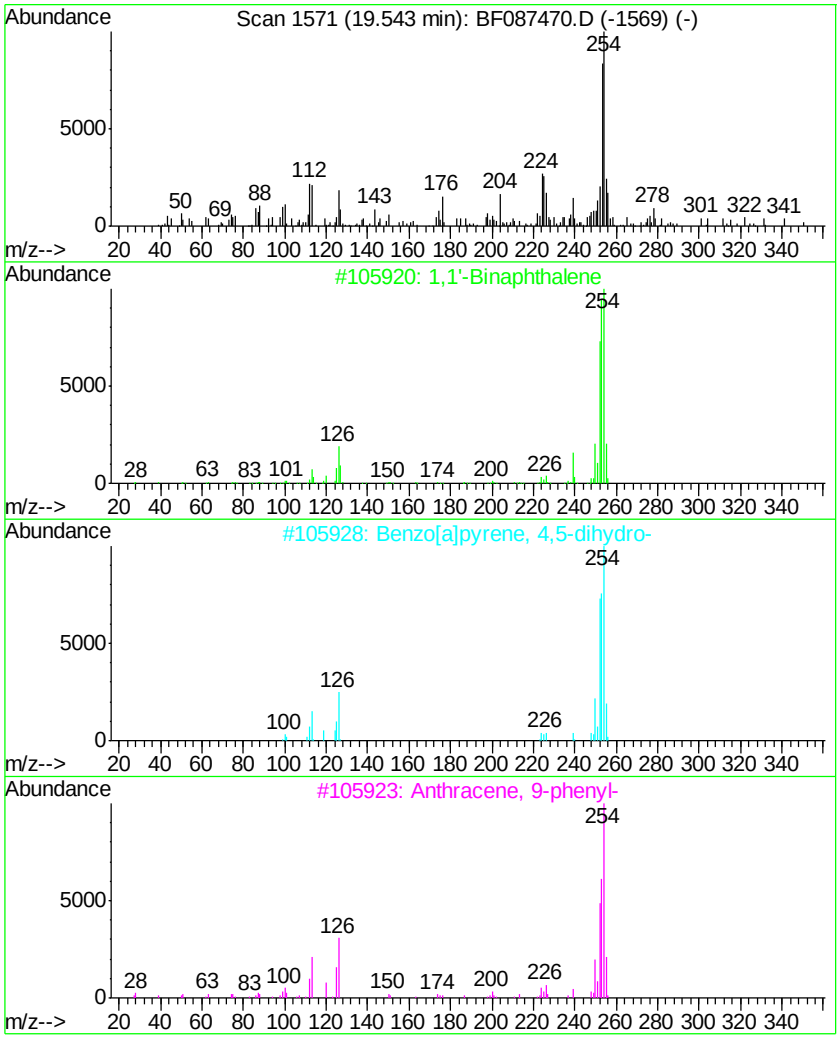
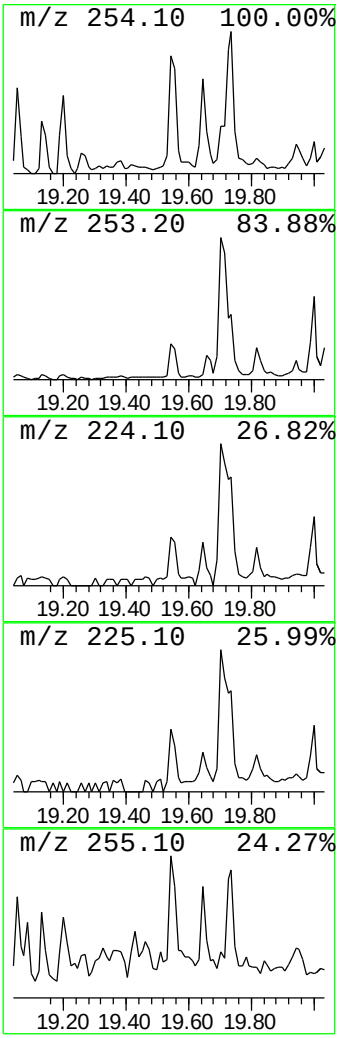
Peak Number 15 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	4.75 ng	134133	Perylene-d12	20.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	53
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	52





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Instrument : BNA_F
ClientSampleId : CHS-STA-1672(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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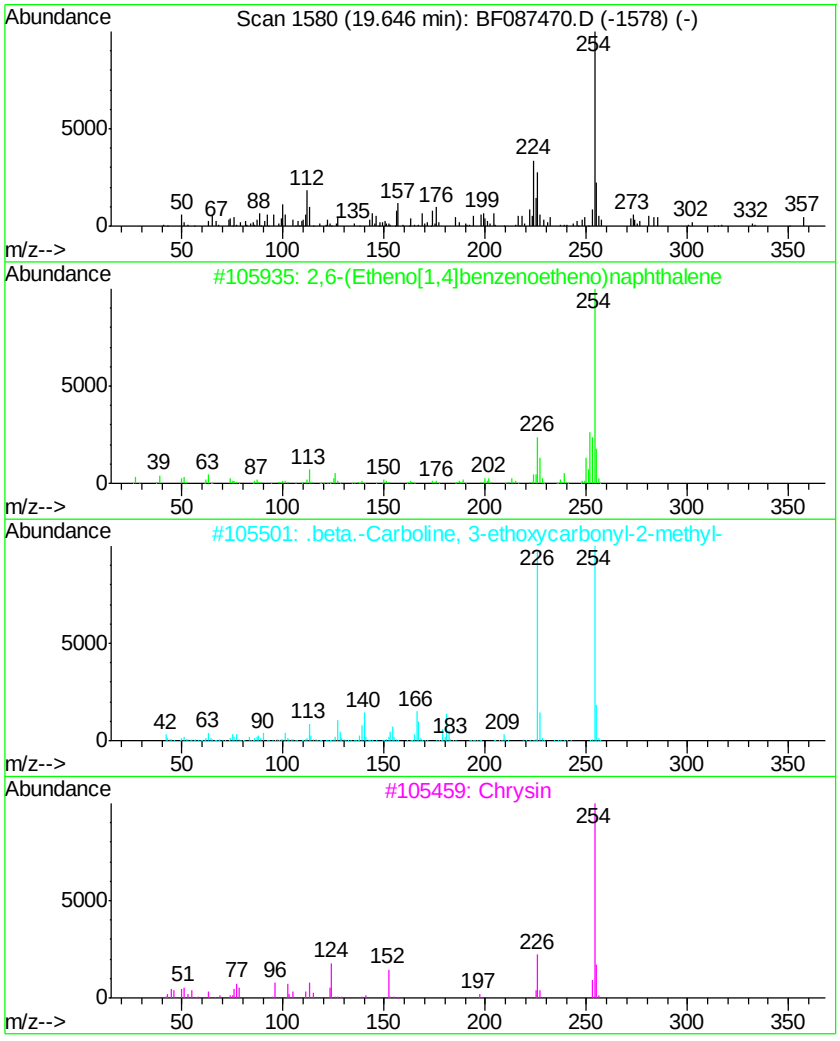
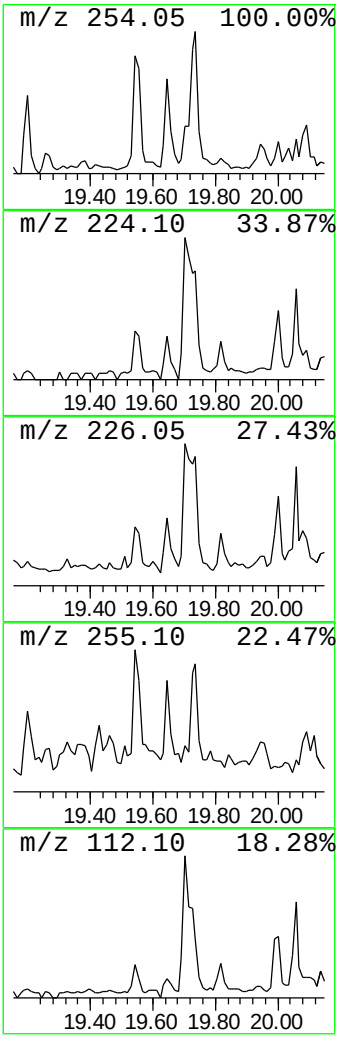
Peak Number 16 2,6-(Etheno[1,4]benzenoethe... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	2.09 ng	58886	Perylene-d12	20.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	59
2	.beta.-Carboline, 3-ethoxycarbon...	254	C15H14N2O2	124487-93-0	53
3	Chrysin	254	C15H10O4	000480-40-0	52
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
5	6,6'-Biazulene,	254	C20H14	073393-11-0	50





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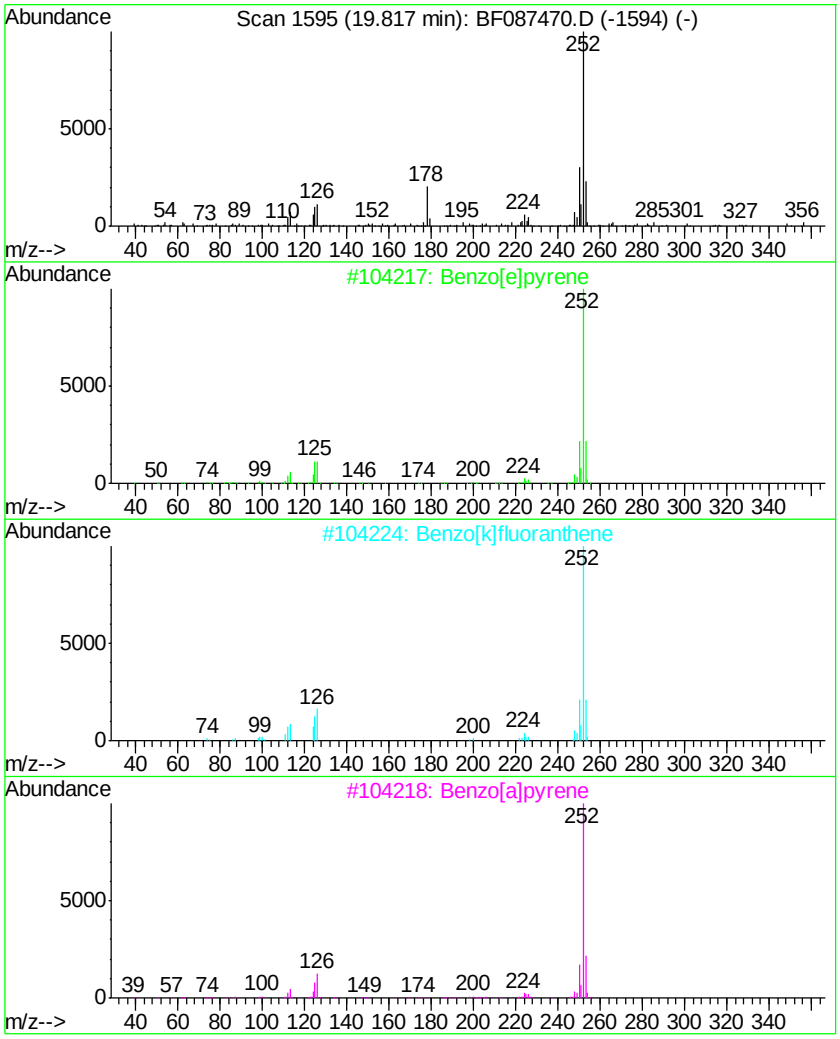
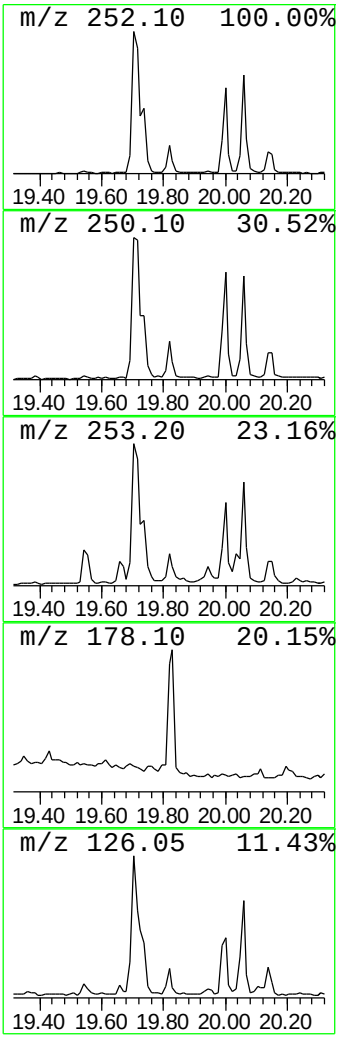
Peak Number 17 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.33 ng	65685	Perylene-d12	20.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	89
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
5	Perylene	252	C20H12	000198-55-0	76





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.72	2.1	ng	79646	1	7.48	758933	20.0
unknown7.13	7.13	44.9	ng	1702510	1	7.48	758933	20.0
Hexadecane	13.95	2.9	ng	132446	4	14.74	919443	20.0
Cyclotetradecane	15.30	6.1	ng	280669	4	14.74	919443	20.0
Tetradecane	15.36	3.0	ng	136302	4	14.74	919443	20.0
Isopropyl palmitate	16.08	10.0	ng	458506	4	14.74	919443	20.0
9,10-Dimethylanth...	16.34	2.1	ng	98017	4	14.74	919443	20.0
Cyclopenta(def)ph...	16.46	2.3	ng	103423	4	14.74	919443	20.0
Pyrene, 1-methyl-	17.44	2.4	ng	154954	5	18.45	1319100	20.0
Benzoic acid, pen...	17.57	6.7	ng	443158	5	18.45	1319100	20.0
1,1'-Binaphthalene	19.54	4.8	ng	134133	6	20.11	564493	20.0
2,6-(Etheno[1,4]b...	19.65	2.1	ng	58886	6	20.11	564493	20.0
Benzo[e]pyrene	19.82	2.3	ng	65685	6	20.11	564493	20.0