LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057434.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.877	392	398	410	rBV	227592	368563	26.35%	1.864%
2	7.504	667	675	690	rBV2	259452	595131	42.55%	3.010%
3	8.250	795	802	811	rBB	167406	273956	19.59%	1.385%
4	8.361	815	821	828	rBV	49245	81710	5.84%	0.413%
5	8.726	876	883	890	rBB	200180	347925	24.88%	1.759%
6	9.460	1002	1008	1015	rBV	86081	150736	10.78%	0.762%
7	9.542	1015	1022	1026	rVV	155116	300628	21.49%	1.520%
8	9.583	1026	1029	1038	rVB	172399	287566	20.56%	1.454%
9	10.100	1110	1117	1127	rBB	154518	258663	18.49%	1.308%
10	10.306	1144	1152	1160	rVB	128741	234963	16.80%	1.188%
11	10.576	1190	1198	1207	rBB	117856	189581	13.55%	0.959%
12	11.199	1295	1304	1308	rBV	68977	123916	8.86%	0.627%
13	11.252	1308	1313	1324	rVB	165798	295697	21.14%	1.495%
14	11.522	1352	1359	1366	rBV	176672	283512	20.27%	1.434%
15	12.450	1510	1517	1529	rBV	126575	218765	15.64%	1.106%
16	12.832	1575	1582	1590	rVB	282628	459075	32.82%	2.321%
17	13.425	1677	1683	1691	rBV	168508	273499	19.55%	1.383%
18	13.601	1703	1713	1722	rVB	529366	786040	56.20%	3.975%
19	14.412	1844	1851	1858	rBV	469894	711540	50.87%	3.598%
20	14.547	1865	1874	1880	rBV	278034	413081	29.53%	2.089%
21	14.706	1894	1901	1909	rVB	283664	452071	32.32%	2.286%
22	14.982	1940	1948	1953	rBV	128017	196687	14.06%	0.995%
23	15.041	1953	1958	1965	rVB	233727	370798	26.51%	1.875%
24	15.187	1976	1983	1996	rBV	138515	264990	18.95%	1.340%
25	15.334	2001	2008	2011	rVV	206761	328784	23.51%	1.663%
26	15.375	2011	2015	2023	rVB	533289	783763	56.04%	3.963%
27	15.763	2075	2081	2087	rVB	729491	958000	68.50%	4.845%
28	16.022	2115	2125	2133	rBV2	438059	997193	71.30%	5.043%
29	16.315	2170	2175	2184	rVB	135472	184855	13.22%	0.935%
30	16.462	2194	2200	2212	rBV	442198	661384	47.29%	3.345%
31	16.644	2218	2231	2239	rVB2	11912	23587	1.69%	0.119%
32	16.879	2266	2271	2278	rBV2	33895	50569	3.62%	0.256%
33	16.979	2280	2288	2294	rBV	19618	33131	2.37%	0.168%
34	17.508	2373	2378	2381	rBV	13806	16591	1.19%	0.084%
35	17.719	2408	2414	2417	rBV	182661	264578	18.92%	1.338%
36	17.760	2417	2421	2428	rVV	344072	517832	37.02%	2.619%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.854	2430	2437	2445	rVV	492457	748433	53.51%	3.785%
38	18.119	2475	2482	2493	rVB	221108	331910	23.73%	1.678%
39	18.559	2553	2557	2561	rBV3	13037	21267	1.52%	0.108%
40	19.123	2648	2653	2658	rVB3	11159	14080	1.01%	0.071%
41	19.752	2754	2760	2766	rBV	518481	718575	51.38%	3.634%
42	20.110	2809	2821	2829	rBV	378206	551001	39.40%	2.786%
43	20.286	2846	2851	2860	rBV	1080043	1398625	100.00%	7.073%
44	20.968	2961	2967	2972	rBV	763480	964228	68.94%	4.876%
45	21.591	3067	3073	3085	rBV4	25065	83798	5.99%	0.424%
46	22.008	3137	3144	3154	rBV2	345421	822339	58.80%	4.158%
47	22.812	3276	3281	3287	rBV3	12416	19655	1.41%	0.099%
48	23.147	3331	3338	3347	rVB	199540	360998	25.81%	1.826%
49	23.553	3402	3407	3418	rVB5	11825	25592	1.83%	0.129%
50	24.428	3548	3556	3564	rVB	40024	84720	6.06%	0.428%
51	25.456	3725	3731	3735	rBV5	13911	31352	2.24%	0.159%
52	25.538	3736	3745	3756	rVB2	92573	270057	19.31%	1.366%
53	26.684	3931	3940	3952	rVB3	41897	133124	9.52%	0.673%
54	30.866	4633	4652	4674	rVB3	82554	435825	31.16%	2.204%

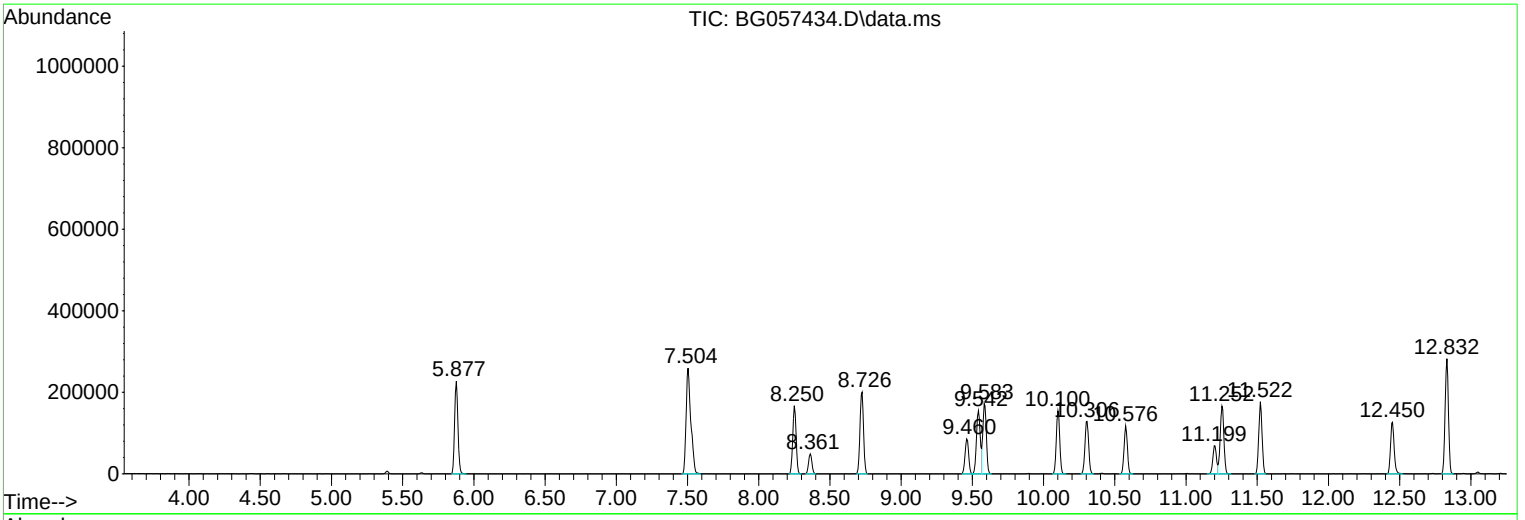
Sum of corrected areas: 19774939

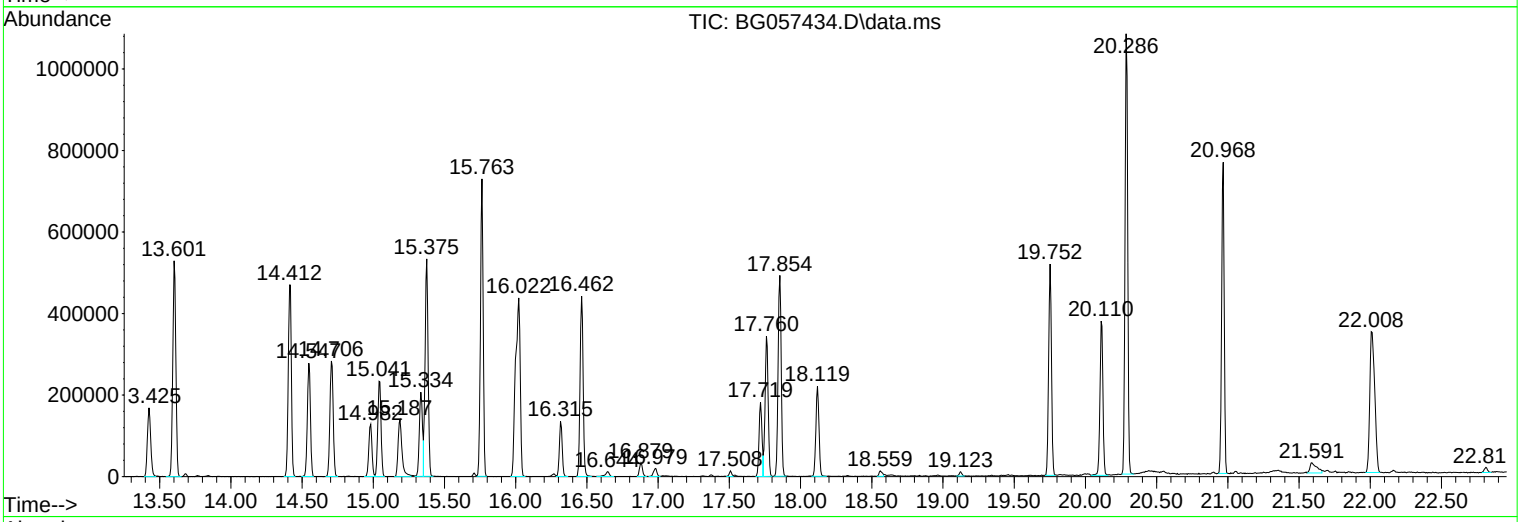
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

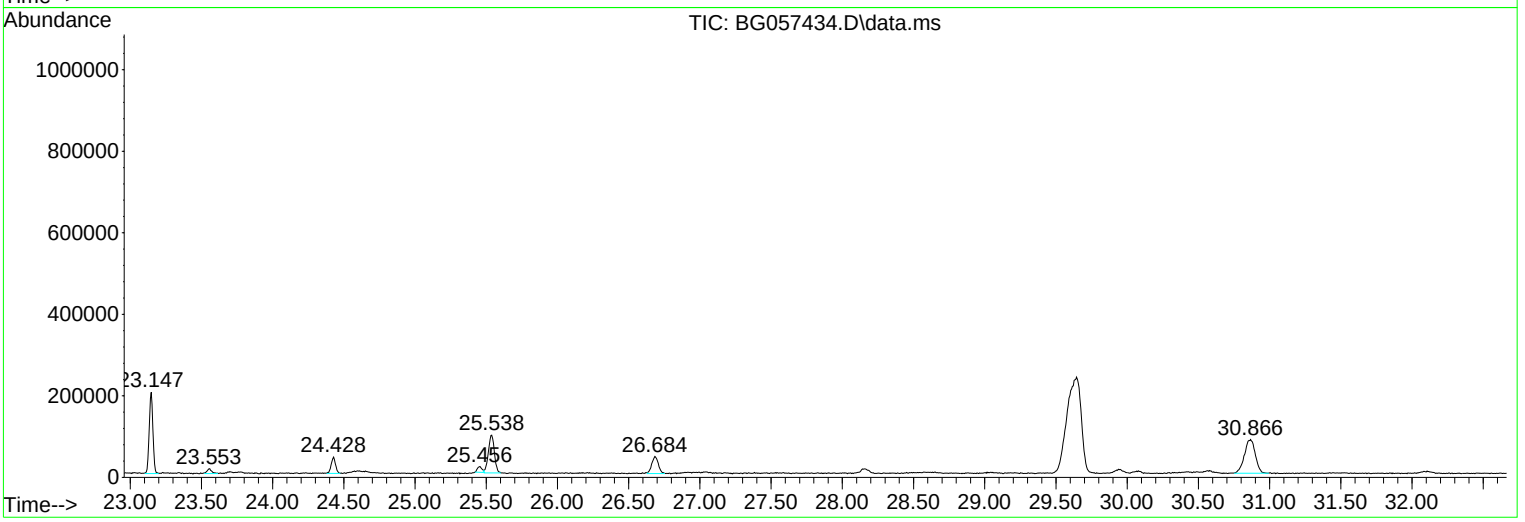
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

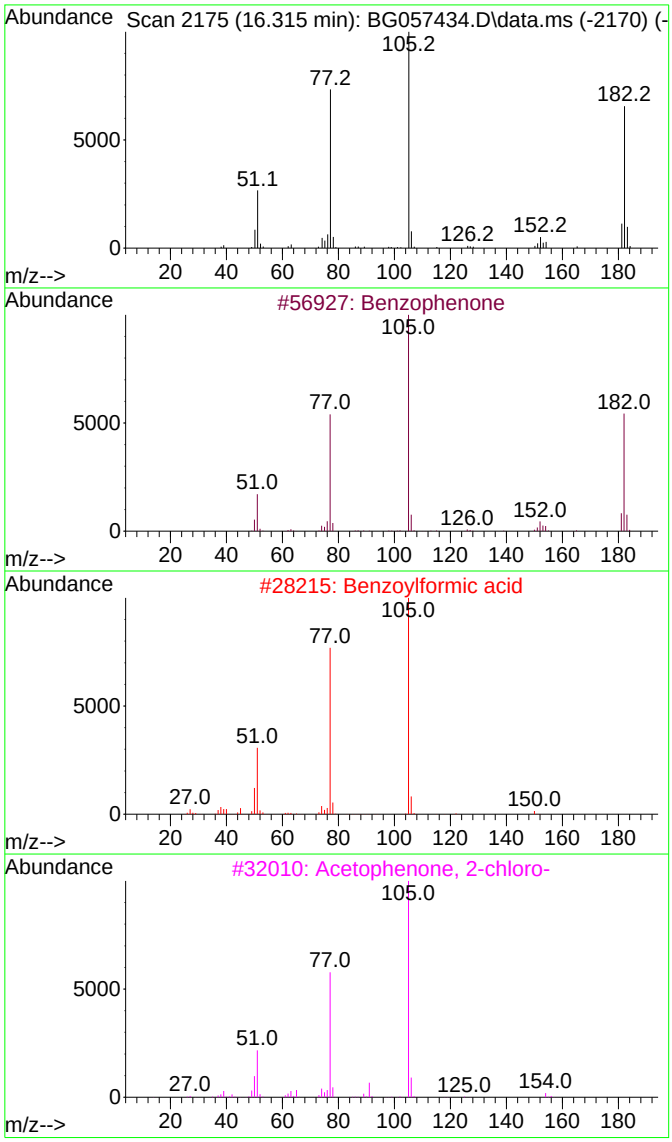
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

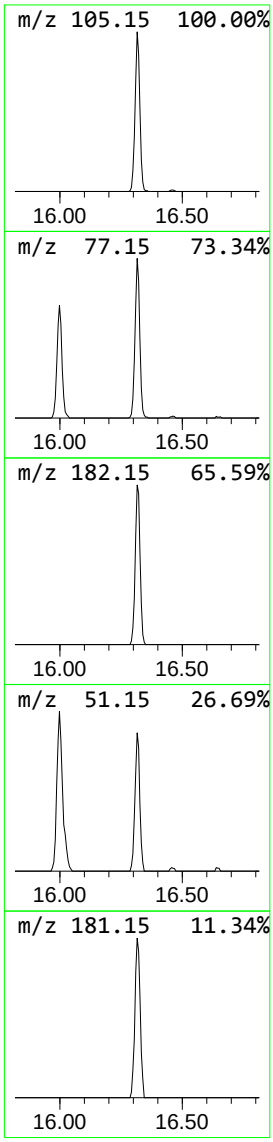
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.315	18.80 ng	184855	Acenaphthene-d10	14.982

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzoylformic acid	150	C8H6O3	000611-73-4	52
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	52
4	Benzoic acid, ethyl ester	150	C9H10O2	000093-89-0	50
5	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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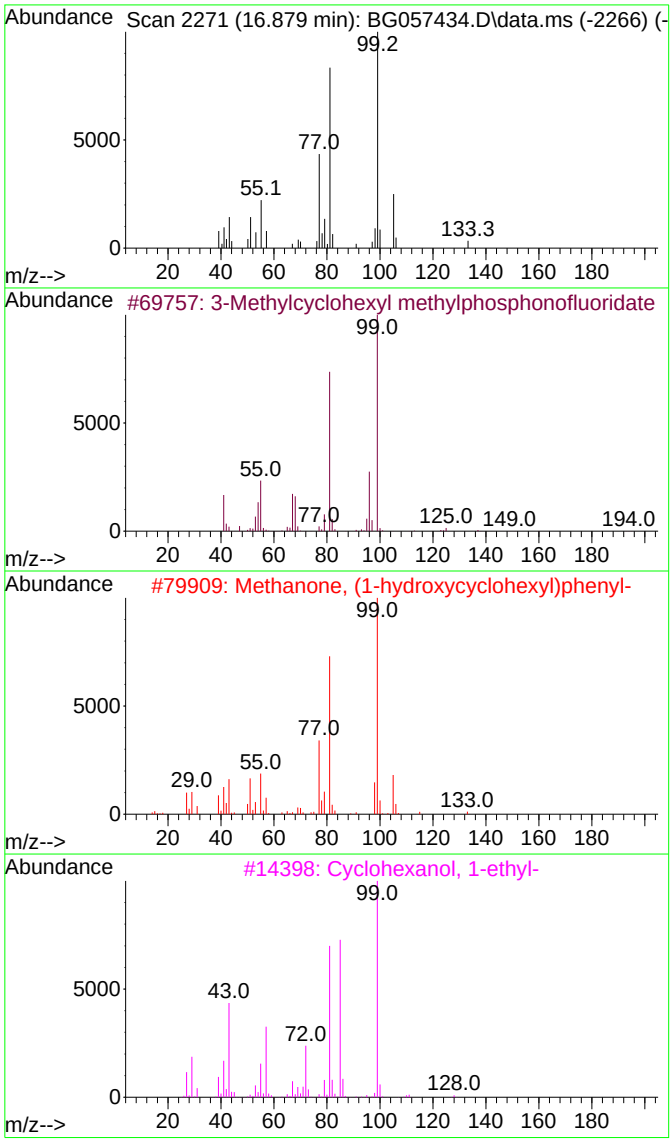
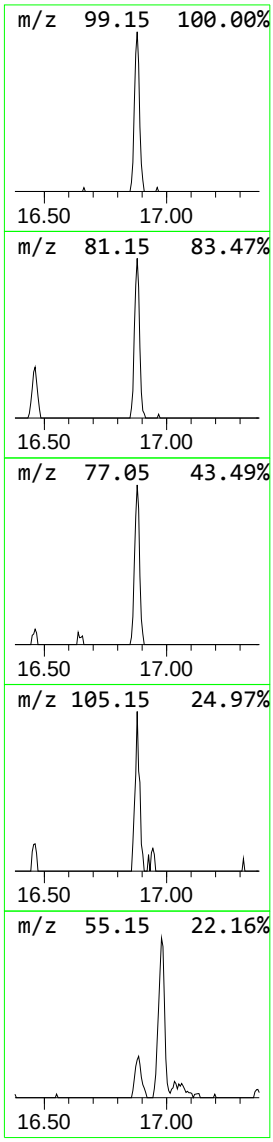
Peak Number 2 unknown16.879 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.879	3.82 ng	50569	Phenanthrene-d10	17.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	40
2	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	35
3	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	33
4	Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	32
5	2-Methylcyclosarin	194	C8H16FO2P	085473-32-1	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

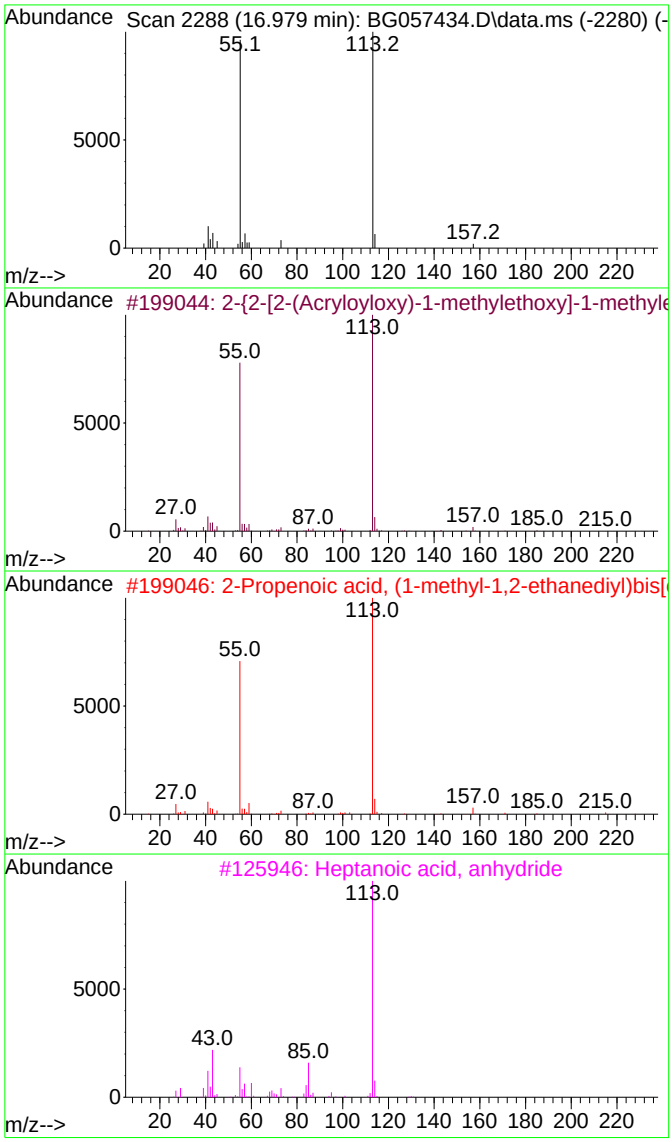
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

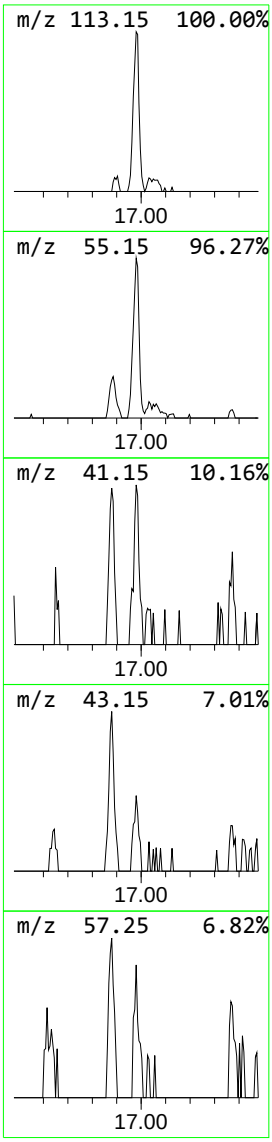
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-{2-[2-(Acryloyloxy)-1-met... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.979	2.50 ng	33131	Phenanthrene-d10	17.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-{2-[2-(Acryloyloxy)-1-methylet...	300	C15H24O6	094120-00-0	83
2	2-Propenoic acid, (1-methyl-1,2-...	300	C15H24O6	042978-66-5	64
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	39
4	Piperidine-2,5-dione	113	C5H7NO2	052065-78-8	9
5	3-Fluoro-5-hydroxypyridine	113	C5H4FNO	209328-55-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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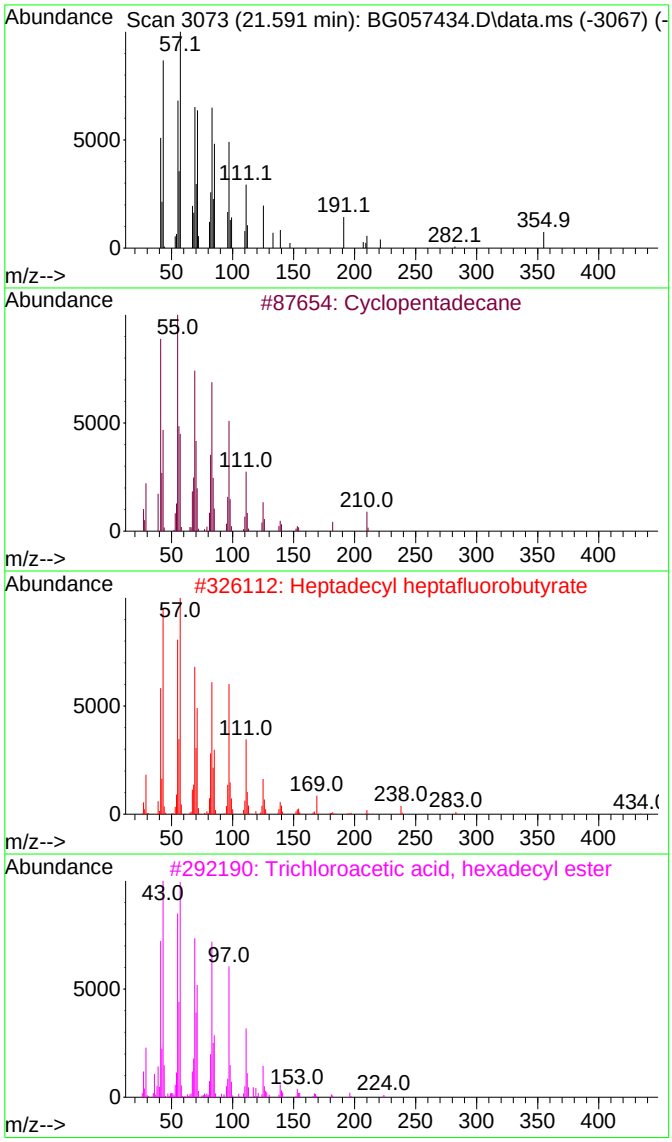
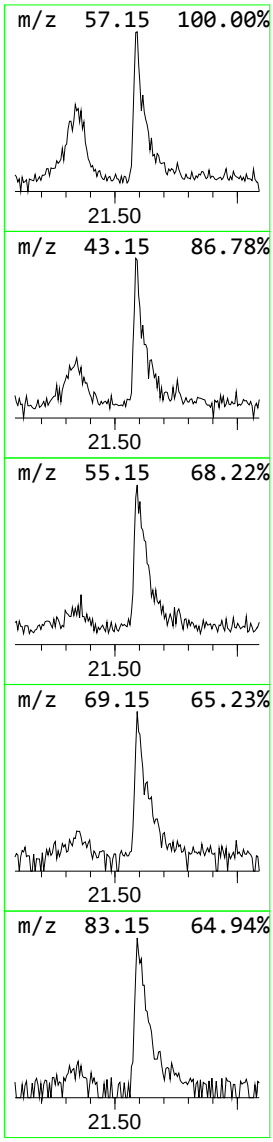
Peak Number 4 Cyclopentadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.591	2.04 ng	83798	Chrysene-d12	22.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	83
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	81
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	81
5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

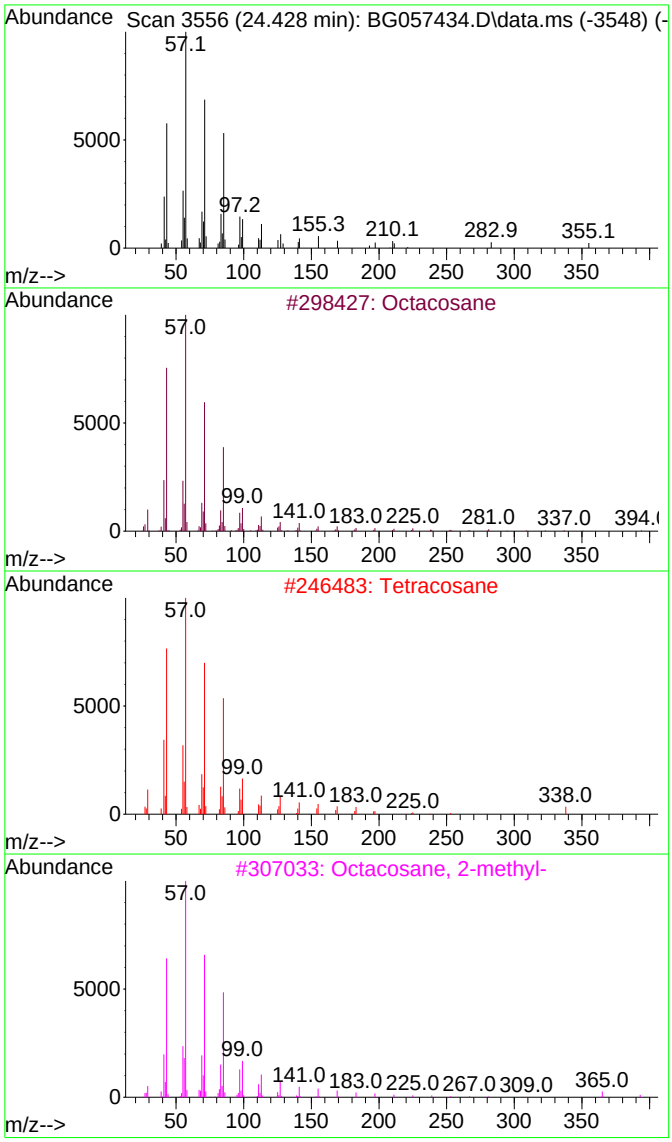
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

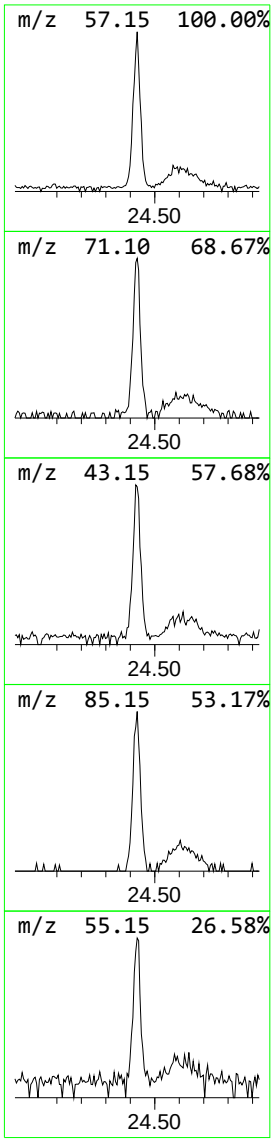
****

Peak Number 5 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.428	6.27 ng	84720	Perylene-d12	25.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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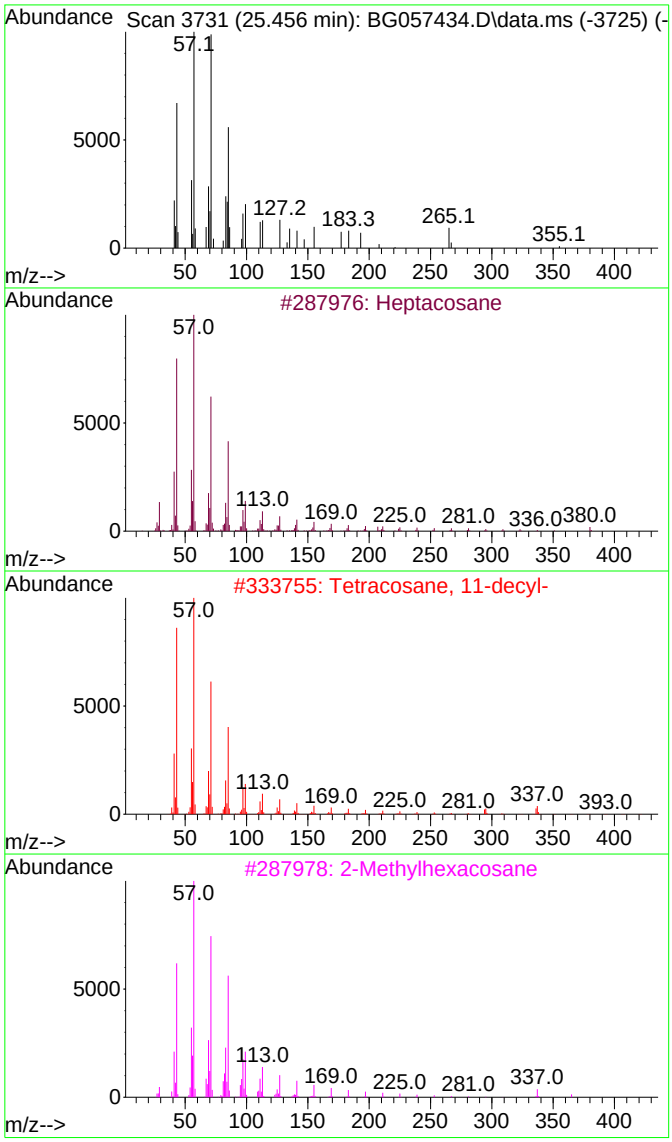
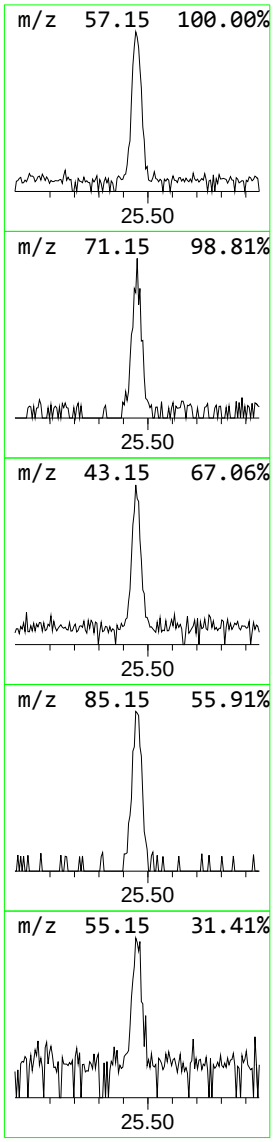
Peak Number 6 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.456	2.32 ng	31352	Perylene-d12	25.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	80
3	2-Methylhexacosane	380	C27H56	001561-02-0	80
4	Docosane, 11-decyl-	451	C32H66	055401-55-3	80
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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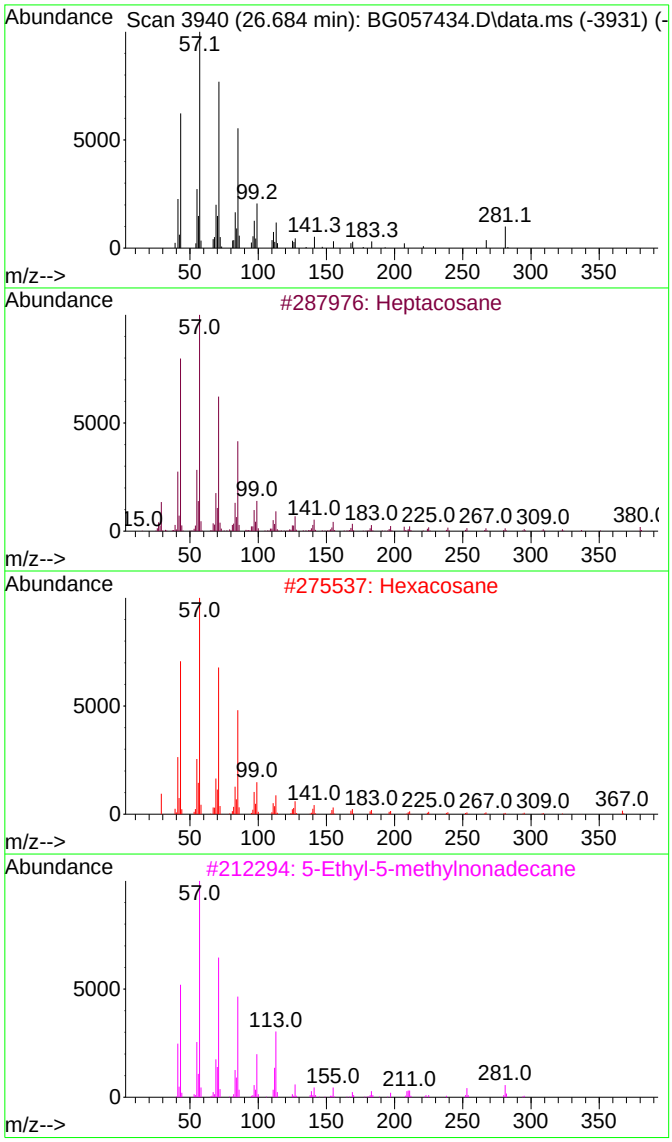
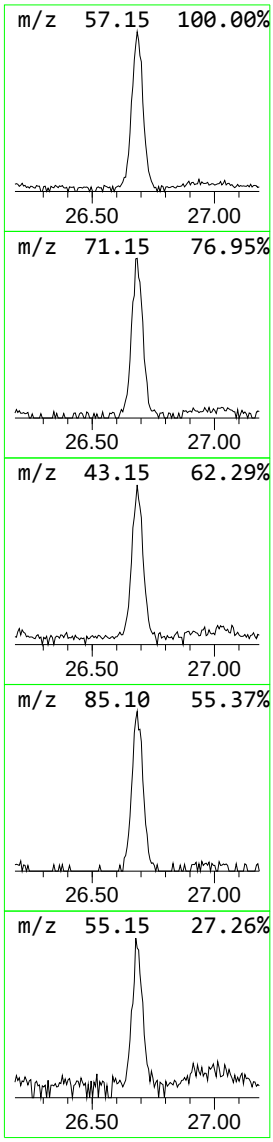
Peak Number 7 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.684	9.86 ng	133124	Perylene-d12	25.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Hexacosane	366	C26H54	000630-01-3	87
3	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	86
4	10-Methylnonadecane	282	C20H42	056862-62-5	86
5	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
Data File : BG057434.D
Acq On : 15 May 2023 13:25
Operator : CG/JU
Sample : 02500-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.315	18.8	ng	184855	3	14.982	196687	20.0
unknown16.879	16.879	3.8	ng	50569	4	17.719	264578	20.0
2-{2-[2-(Acrylo...	16.979	2.5	ng	33131	4	17.719	264578	20.0
Cyclopentadecane	21.591	2.0	ng	83798	5	22.031	822339	20.0
Octacosane	24.428	6.3	ng	84720	6	25.538	270057	20.0
Heptacosane	25.456	2.3	ng	31352	6	25.538	270057	20.0
Hexacosane	26.684	9.9	ng	133124	6	25.538	270057	20.0